

Form 7 Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Applications

- Serve as pulling fittings.
- Make bends in conduit system.
- Provide openings for splicing.
- Connect and change direction of conduit runs.
- Allow connections for branch runs.
- Permit access to conductors for maintenance.

Features

- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Wedge-Lok™ Form-IN-Place covers with integral gasket are approved for use in wet locations. Grayloy-iron bodies with cast covers and gasket are approved for use in wet locations.
- Unique Wedge-Lok™ clip cover design allows easy removal at any later time, without damaging the conduit body. The cover is secured with clips, not screws.
- Completely interchangeable with Crouse-Hinds⁺ Form 7™⁺ bodies, gaskets and covers. Equivalent FM7 and Form 7™ units have identical applications and installation dimensions.
- Flat back design provides greater cubic content for easier wire pulling, and more room for splicing. Fits flush and snug against flat surfaces for more stable installation.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.
- Pan-head cover screws secure cover clips and provide superior screwdriver seating and torque. Cover screws and clips are captive to prevent loss.
- Hub Size (inches), body style, compliance data, maximum wire number/size and cubic capacity molded into body.

Standard Materials

- Body: Grayloy-iron or copperfree (4/10 of 1% max.) aluminum
- Covers: Grayloy-iron, copperfree (4/10 of 1% max.) aluminum or steel
- Cover screws: stainless steel

Standard Finishes

- Grayloy-iron bodies and covers: triplecoat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cast aluminum bodies and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Stamped aluminum covers: natural finish

NEC/CEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec: A-A-50563
- NEMA Standard: FB-1, FB-2.10



Type LB

Illustrated Features



Conduit Body with Cast Aluminum Cover, 1" Type C shown



Grayloy™-Iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail

Illustrated views are cut away to demonstrate back configurations.



O-Z/Gedney Form 7 (C57, 1-1/2")
28 Cubic Inches Capacity
Flat-Back Design













Crouse-Hinds Form 7 (C57, 1-1/2")
26 Cubic Inches Capacity

+ Crouse-Hinds and Form 7 are registered trademarks of Cooper Crouse-Hinds.

Form 7 Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Conduit Bodies ①

| Trade Size (Inches) | C Grayloy-Iron | LB Grayloy-Iron | LL Grayloy-Iron | LR Grayloy-Iron | T Grayloy-Iron |
|------------------------|---|---|---|--|---|
| |  |  |  |  |  |
| 1/2 | 0ZGC17 | 0ZGLB17 | 0ZGLL17 | 0ZGLR17 | 0ZGT17 |
| 3/4 | 0ZGC27 | 0ZGLB27 | 0ZGLL27 | 0ZGLR27 | 0ZGT27 |
| 1 | 0ZGC37 | 0ZGLB37 | 0ZGLL37 | 0ZGLR37 | 0ZGT37 |
| 1-1/4 | 0ZGC47 | 0ZGLB47 | 0ZGLL47 | 0ZGLR47 | 0ZGT47 |
| 1-1/2 | 0ZGC57 | 0ZGLB57 | 0ZGLL57 | 0ZGLR57 | 0ZGT57 |
| 2 | 0ZGC67 | 0ZGLB67 | 0ZGLL67 | 0ZGLR67 | 0ZGT67 |
| 2-1/2 | 0ZGC77 | 0ZGLB77 | 0ZGLL77 | 0ZGLR77 | 0ZGT77 |
| 3 | 0ZGC87 | 0ZGLB87 | 0ZGLL87 | 0ZGLR87 | 0ZGT87 |
| 3-1/2 | — | 0ZGLB97 | 0ZGLL97 | 0ZGLR97 | 0ZGT97 |
| 4 | — | 0ZGLB107 | 0ZGLL107 | 0ZGLR107 | 0ZGT107 |
| Trade Size (Inches) | E Grayloy-Iron | L ② Grayloy-Iron | TA Grayloy-Iron | TB Grayloy-Iron | X Grayloy-Iron |
| |  |  |  |  |  |
| 1/2 | 0ZGE17 | 0ZGL17 | 0ZGTA17 | 0ZGTB17 | 0ZGX17 |
| 3/4 | 0ZGE27 | 0ZGL27 | 0ZGTA27 | 0ZGTB27 | 0ZGX27 |
| 1 | 0ZGE37 | 0ZGL37 | 0ZGTA37 | 0ZGTB37 | 0ZGX37 |
| 1-1/4 | — | 0ZGL47 | 0ZGTA47 | 0ZGTB47 | 0ZGX47 |
| 1-1/2 | — | 0ZGL57 | 0ZGTA57 | 0ZGTB57 | 0ZGX57 |
| 2 | — | 0ZGL67 | 0ZGTA67 | 0ZGTB67 | 0ZGX67 |




① Refer to following pages for Wiring Capacity Table.

② L Unilets have double opening and are furnished with one steel cover, assembled.

Form 7 Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Wedge-Lok™ Clip Covers and Gaskets *(Covers furnished with stainless steel screws)*

| Body Size (Inches) | Wedge-Lok Cast Cover | Wedge-Lok Stamped Cover | Solid Neoprene Gasket |
|-----------------------|---|--|---|
| | Grayloy-Iron | Steel | |
| |  |  |  |
| 1/2 | OZG170F | OZG170 | OZGGASK571 |
| 3/4 | OZG270F | OZG270 | OZGGASK572 |
| 1 | OZG370F | OZG370 | OZGGASK573 |
| 1-1/4 | OZG470F | OZG470 | OZGGASK574 |
| 1-1/2 | OZG570F | OZG570 | OZGGASK575 |
| 2 | OZG670F | OZG670 | OZGGASK576 |
| 2-1/2 | OZG870F | OZG870 | OZGGASK578 |
| 3 | OZG870F | OZG870 | OZGGASK578 |
| 3-1/2 | OZG970F | OZG970 | OZGGASK579 |
| 4 | OZG970F | OZG970 | OZGGASK579 |

Form 7 Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Wiring Capacity: Combine Body and Cover Capacities for Total Usable Capacity per NEC 314.16(A)

| Trade Size (Inches) | Capacity — dm ³ (in ³) | | | | | | | | | | Stamped Cover | Cast Cover |
|---|---|-----------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | C | E | LB | LL LR | L | T | TA | TB | X | | | |
| FM7™ Grayloy™-Iron Bodies and Covers: Threaded | | | | | | | | | | | | |
| 1/2 | 0.07 (4.00) | 0.07 (4.00) | 0.07 (4.00) | 0.07 (4.00) | 0.08 (5.00) | 0.10 (6.00) | 0.10 (6.00) | 0.10 (6.00) | 0.10 (6.00) | 0.10 (6.00) | 0.00 (0.30) | 0.01 (0.40) |
| 3/4 | 0.11 (7.00) | 0.11 (7.00) | 0.11 (7.00) | 0.11 (7.00) | 0.15 (9.00) | 0.16 (10.00) | 0.16 (10.00) | 0.16 (10.00) | 0.16 (10.00) | 0.16 (10.00) | 0.01 (0.50) | 0.01 (0.80) |
| 1 | 0.18 (11.00) | 0.18 (11.00) | 0.18 (11.00) | 0.18 (11.00) | 0.22 (13.50) | 0.25 (15.50) | 0.25 (15.50) | 0.25 (15.50) | 0.25 (15.50) | 0.25 (15.50) | 0.02 (1.30) | 0.02 (1.30) |
| 1-1/4 | 0.33 (20.00) | — | 0.33 (20.00) | 0.33 (20.00) | 0.37 (22.50) | 0.33 (20.00) | 0.33 (20.00) | 0.33 (20.00) | 0.33 (20.00) | 0.33 (20.00) | 0.03 (1.80) | 0.03 (2.00) |
| 1-1/2 | 0.46 (28.00) | — | 0.46 (28.00) | 0.46 (28.00) | 0.51 (31.00) | 0.46 (28.00) | 0.46 (28.00) | 0.46 (28.00) | 0.46 (28.00) | 0.46 (28.00) | 0.04 (2.30) | 0.05 (3.00) |
| 2 | 0.82 (50.00) | — | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.05 (2.80) | 0.08 (4.80) |
| 2-1/2 | 1.67 (102.00) | — | 1.67 (102.00) | 1.67 (102.00) | — | 1.67 (102.00) | — | — | — | — | 0.16 (9.80) | 0.16 (9.70) |
| 3 | 2.18 (133.00) | — | 2.18 (133.00) | 2.18 (133.00) | — | 2.18 (133.00) | — | — | — | — | 0.16 (9.80) | 0.16 (9.70) |
| 3-1/2 | — | — | 3.57 (218.00) | 3.57 (218.00) | — | 3.57 (218.00) | — | — | — | — | 0.27 (16.50) | 0.26 (16.00) |
| 4 | — | — | 4.00 (244.00) | 4.00 (244.00) | — | 4.00 (244.00) | — | — | — | — | 0.27 (16.50) | 0.26 (16.00) |
| FM7™ Aluminum Bodies and Covers: Threaded | | | | | | | | | | | | |
| 1/2 | 0.07 (4.00) | 0.07 (4.00) | 0.07 (4.00) | 0.07 (4.00) | — | 0.10 (6.00) | — | 0.10 (6.00) | 0.10 (6.00) | 0.10 (6.00) | 0.005 (0.30) | 0.007 (0.40) |
| 3/4 | 0.11 (7.00) | 0.11 (7.00) | 0.11 (7.00) | 0.11 (7.00) | — | 0.16 (10.00) | — | 0.16 (10.00) | 0.16 (10.00) | 0.16 (10.00) | 0.008 (0.50) | 0.01 (0.80) |
| 1 | 0.18 (11.00) | 0.18 (11.00) | 0.18 (11.00) | 0.18 (11.00) | — | 0.25 (15.50) | — | 0.25 (15.50) | 0.25 (15.50) | 0.25 (15.50) | 0.02 (1.30) | 0.02 (1.30) |
| 1-1/4 | 0.33 (20.00) | — | 0.33 (20.00) | 0.33 (20.00) | — | 0.33 (20.00) | — | 0.33 (20.00) | 0.33 (20.00) | 0.33 (20.00) | 0.03 (1.80) | 0.03 (2.00) |
| 1-1/2 | 0.46 (28.00) | — | 0.46 (28.00) | 0.46 (28.00) | — | 0.46 (28.00) | — | 0.46 (28.00) | 0.46 (28.00) | 0.46 (28.00) | 0.04 (2.30) | 0.05 (3.00) |
| 2 | 0.82 (50.00) | — | 0.82 (50.00) | 0.82 (50.00) | — | 0.82 (50.00) | — | 0.82 (50.00) | 0.82 (50.00) | 0.82 (50.00) | 0.05 (2.80) | 0.08 (4.80) |
| 2-1/2 | 1.67 (102.00) | — | 1.67 (102.00) | 1.67 (102.00) | — | 1.67 (102.00) | — | — | — | — | 0.16 (9.80) | 0.16 (9.70) |
| 3 | 2.18 (133.00) | — | 2.18 (133.00) | 2.18 (133.00) | — | 2.18 (133.00) | — | — | — | — | 0.16 (9.80) | 0.16 (9.70) |
| 3-1/2 | — | — | 3.57 (218.00) | 3.57 (218.00) | — | 3.57 (218.00) | — | — | — | — | 0.27 (16.50) | 0.26 (16.00) |
| 4 | — | — | 4.00 (244.00) | 4.00 (244.00) | — | 4.00 (244.00) | — | — | — | — | 0.27 (16.50) | 0.26 (16.00) |

Form 7 Form-IN-Place Covers with Integral Gaskets

For FM7™ Unilet® Conduit Outlet Bodies.

NEC/CEC:
Class I, Division 2
NEMA 3R

Applications

- Cover with integral gasket for FM7 conduit bodies.
- Can be used as replacement covers for installed bodies or in new installations.

Features

- Benefit from superior sealing, reduced inventory parts and faster installation times.
- Captive pan-head screws.
- Wedge-Lok™ clips (FM7 and Form 7 only) provide superior screwdriver torque and cover seating.
- High-strength, corrosion and weather resistant.
- Approved for wet locations.
- Fits all body configurations and sizes from 1/2" thru 4".



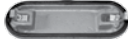

Standard Materials

- Stamped steel
- Stamped aluminum
- Cast grayloy-iron
- Cast aluminum

NEC/CEC Certifications and Compliances

- UL Listed: E2527
- CSA Certified: 65183, Class 4413-02

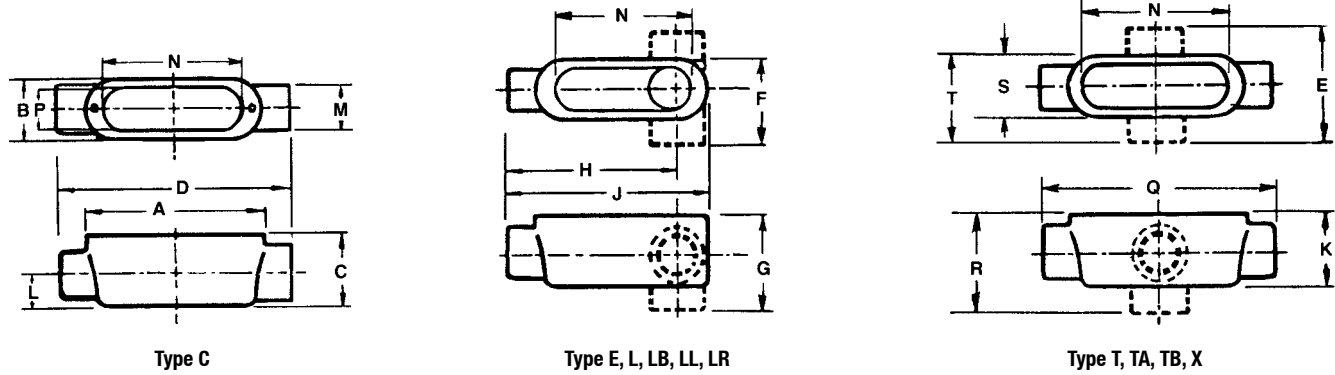


| Trade Size (Inches) | Stamped Steel | Stamped Aluminum | Cast Grayloy-Iron | Cast Aluminum |
|---------------------|---|---|---|---|
| |  |  |  |  |
| 1/2 | 0ZG170IG | 0ZG170IGSA | 0ZG170FIG | 0ZG170FIGSA |
| 3/4 | 0ZG270IG | 0ZG270IGSA | 0ZG270FIG | 0ZG270FIGSA |
| 1 | 0ZG370IG | 0ZG370IGSA | 0ZG370FIG | 0ZG370FIGSA |
| 1-1/4 | 0ZG470IG | 0ZG470IGSA | 0ZG470FIG | 0ZG470FIGSA |
| 1-1/2 | 0ZG570IG | 0ZG570IGSA | 0ZG570FIG | 0ZG570FIGSA |
| 2 | 0ZG670IG | 0ZG670IGSA | 0ZG670FIG | 0ZG670FIGSA |
| 2-1/2 and 3 | 0ZG870IG | 0ZG870IGSA | 0ZG870FIG | 0ZG870FIGSA |
| 3-1/2 and 4 | 0ZG970IG | 0ZG970IGSA | 0ZG970FIG | 0ZG970FIGSA |

Form 7 Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Dimensions in Millimeters (Inches)



| Trade Size (Inches) | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T |
|---------------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|----------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|
| 1/2 | 92.2 (3.63) | 35.1 (1.38) | 35.1 (1.38) | 136.7 (5.38) | 84.1 (3.31) | 57.2 (2.25) | 57.2 (2.25) | 100.1 (3.94) | 115.8 (4.56) | 44.5 (1.75) | 16.0 (0.63) | 31.8 (1.25) | 81.0 (3.19) | 23.9 (0.94) | 143.0 (5.63) | 66.8 (2.63) | 39.6 (1.56) | 62.0 (2.44) |
| 3/4 | 108.0 (4.25) | 39.6 (1.56) | 41.4 (1.63) | 152.4 (6.00) | 88.9 (3.50) | 62.0 (2.44) | 63.5 (2.50) | 112.8 (4.44) | 131.8 (5.19) | 50.8 (2.00) | 19.1 (0.75) | 38.1 (1.50) | 96.8 (3.81) | 28.7 (1.13) | 158.8 (6.25) | 73.2 (2.88) | 47.8 (1.88) | 66.8 (2.63) |
| 1 | 127.0 (5.00) | 44.5 (1.75) | 47.8 (1.88) | 177.8 (7.00) | 98.6 (3.88) | 69.9 (2.75) | 73.2 (2.88) | 131.8 (5.19) | 152.4 (6.00) | 57.2 (2.25) | 22.4 (0.88) | 44.5 (1.75) | 114.3 (4.50) | 35.1 (1.38) | 184.2 (7.25) | 82.6 (3.25) | 50.8 (2.00) | 76.2 (3.00) |
| 1-1/4 | 139.7 (5.50) | 55.6 (2.19) | 58.7 (2.31) | 189.0 (7.44) | 104.9 (4.13) | 81.0 (3.19) | 84.1 (3.31) | 138.2 (5.44) | 165.1 (6.50) | 58.7 (2.31) | 28.7 (1.13) | 55.6 (2.19) | 127.0 (5.00) | 44.5 (1.75) | 189.0 (7.44) | 84.1 (3.31) | 55.6 (2.19) | 81.0 (3.19) |
| 1-1/2 | 152.4 (6.00) | 62.0 (2.44) | 65.0 (2.56) | 208.0 (8.19) | 117.6 (4.63) | 88.9 (3.50) | 93.7 (3.69) | 150.9 (5.94) | 181.1 (7.13) | 65.0 (2.56) | 31.8 (1.25) | 62.0 (2.44) | 138.2 (5.44) | 49.3 (1.94) | 208.0 (8.19) | 92.2 (3.63) | 62.0 (2.44) | 90.4 (3.56) |
| 2 | 177.8 (7.00) | 76.2 (3.00) | 79.5 (3.13) | 233.4 (9.19) | 131.8 (5.19) | 103.1 (4.06) | 108.0 (4.25) | 168.4 (6.63) | 206.5 (8.13) | 79.5 (3.13) | 38.1 (1.50) | 76.2 (3.00) | 162.1 (6.38) | 62.0 (2.44) | 233.4 (9.19) | 106.4 (4.19) | 76.2 (3.00) | 104.9 (4.13) |
| 2-1/2 | 228.6 (9.00) | 108.0 (4.25) | 92.2 (3.63) | 304.8 (12.00) | — | 146.1 (5.75) | 130.3 (5.13) | 222.3 (8.75) | 266.7 (10.50) | 92.2 (3.63) | 44.5 (1.75) | 88.9 (3.50) | 212.9 (8.38) | 90.4 (3.56) | 304.8 (12.00) | — | 108.0 (4.25) | 146.1 (5.75) |
| 3 | 228.6 (9.00) | 108.0 (4.25) | 111.3 (4.38) | 304.8 (12.00) | — | 146.1 (5.75) | 149.4 (5.88) | 212.9 (8.38) | 266.7 (10.50) | 111.3 (4.38) | 54.1 (2.13) | 108.0 (4.25) | 212.9 (8.38) | 90.4 (3.56) | 306.3 (12.06) | — | 108.0 (4.25) | 146.1 (5.75) |
| 3-1/2 | 279.4 (11.00) | 133.4 (5.25) | 124.0 (4.88) | — | — | 176.3 (6.94) | 166.6 (6.56) | 260.4 (10.25) | 322.3 (12.69) | 124.0 (4.88) | 60.5 (2.38) | 120.7 (4.75) | 260.4 (10.25) | 114.3 (4.50) | 363.5 (14.31) | — | 133.4 (5.25) | 176.3 (6.94) |
| 4 | 279.4 (11.00) | 133.4 (5.25) | 136.7 (5.38) | — | — | 176.3 (6.94) | 179.3 (7.06) | 254.0 (10.00) | 322.3 (12.69) | 136.7 (5.38) | 66.8 (2.63) | 133.4 (5.25) | 260.4 (10.25) | 114.3 (4.50) | 363.5 (14.31) | — | 133.4 (5.25) | 176.3 (6.94) |

Fraction/Decimal Equivalents (Inches)

| Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal |
|----------|---------|----------|---------|----------|---------|----------|---------|
| 1/16 | 0.06 | 5/16 | 0.31 | 9/16 | 0.56 | 13/16 | 0.81 |
| 1/8 | 0.13 | 3/8 | 0.38 | 5/8 | 0.63 | 7/8 | 0.88 |
| 3/16 | 0.19 | 7/16 | 0.44 | 11/16 | 0.69 | 15/16 | 0.94 |
| 1/4 | 0.25 | 1/2 | 0.50 | 3/4 | 0.75 | 1 | 1.00 |

Spec 5™ Malleable Iron Conduit Bodies

For Rigid Conduit and IMC

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.
- Conduit bodies are suitable for use in Class I, Div. 2 hazardous locations per NEC Section 501-4(B).

Features

- Tapered threaded hubs (NPT).
- Raintight when used with gasketed covers.
- Malleable iron suitable for use in concrete.
- For covers and gaskets, see Pages AB4 and AB5.
- Complete interchangeability with other manufacturers' style "5" or "35" Conduit Bodies.
- Internal volume and maximum wire clearly marked on castings.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated aluminum enamel

Options

- For additional corrosion protection, specify Hot Dip Galvanized: add suffix "G" to Malleable Iron Catalog Number.

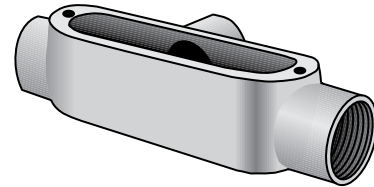
NEC/CEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Suitable for wet locations when used with gasketed covers.
- Fed Spec: A-A-50563
- NEMA: FB-1, FB-2.10

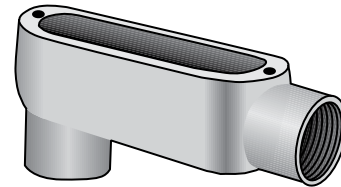


Type LB

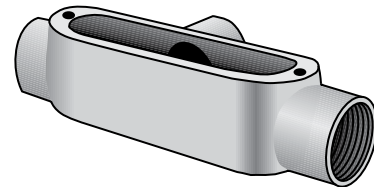
Illustrated Features



Type T



Type LB-G
Hot Dip Galvanized










Type T-G
Hot Dip Galvanized

Spec 5™ Malleable Iron Conduit Bodies

For Rigid Conduit and IMC

Appleton FM7 Conduit Bodies ①

| Trade Size (Inches) | C | | LB | | LL | | LR | |
|---------------------|---|-------------------------------------|---|-------------------------------------|--|-------------------------------------|---|-------------------------------------|
| | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ |
| |  | |  | |  | |  | |
| 1/2 | C-50 | C-50CG | LB-50 | LB-50G | LL-50 | LL-50CG | LR-50 | LR-50CG |
| 3/4 | C-75 | C-75CG | LB-75 | LB-75G | LL-75 | LL-75CG | LR-75 | LR-75CG |
| 1 | C-100 | C-100CG | LB-100 | LB-100G | LL-100 | LL-100CG | LR-100 | LR-100CG |
| 1-1/4 | C-125 | C-125CG | LB-125 | LB-125G | LL-125 | LL-125CG | LR-125 | LR-125CG |
| 1-1/2 | C-150 | C-150CG | LB-150 | LB-150G | LL-150 | LL-150CG | LR-150 | LR-150CG |
| 2 | C-200 | C-200CG | LB-200 | LB-200G | LL-200 | LL-200CG | LR-200 | LR-200CG |
| 2-1/2 | C-250 | — | LB-250 | LB-250G | LL-250 | — | LR-250 | — |
| 3 | C-300 | — | LB-300 | LB-300G | LL-300 | — | LR-300 | — |
| 3-1/2 | C-350 | — | LB-350 | LB-350G | LL-350 | — | LR-350 | — |
| 4 | C-400 | — | LB-400 | LB-400G | LL-400 | — | LR-400 | — |

| Trade Size (Inches) | T | | TB | | X | |
|---------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------------------------|
| | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ | Malleable Iron Zinc Plated | Malleable Iron Hot Dip Galvanized ③ |
| |  | |  | |  | |
| 1/2 | T-50 | T-50G | TB-50 | TB17-SA | X-50 | — |
| 3/4 | T-75 | T-75G | TB-75 | TB27-SA | X-75 | — |
| 1 | T-100 | T-100G | TB-100 | TB37-SA | X-100 | — |
| 1-1/4 | T-125 | T-125G | TB-125 | TB47-SA | X-125 | — |
| 1-1/2 | T-150 | T-150G | TB-150 | TB57-SA | X-150 | — |
| 2 | T-200 | T-200G | TB-200 | TB67-SA | X-200 | — |
| 2-1/2 | T-250 | T-250G | — | — | — | — |
| 3 | T-300 | T-300G | — | — | — | — |
| 3-1/2 | T-350 | T-350G | — | — | — | — |
| 4 | T-400 | T-400G | — | — | — | — |

① Refer to following pages for Wiring Capacity Table.

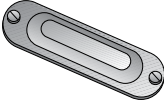
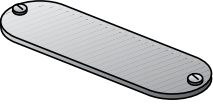

② L Unilets have double opening and are furnished with one steel cover, assembled.

③ PVC coating available on select aluminum bodies. Add suffix **-PVC** to catalog number.

Spec 5™ Malleable Iron Conduit Bodies

For Rigid Conduit and IMC

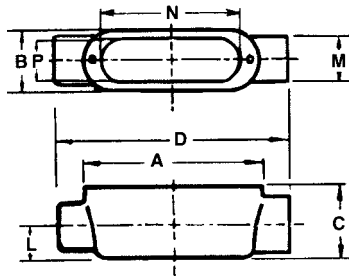
Appleton FM8® Blank Covers and Gaskets ①

| Body Size (Inches) | Domed Top Design Cover | Flat Top Design Cover | Solid Cover Sealing Gasket | |
|-----------------------|---|---|---|----------------|
| | | | Valbuna | Neoprene |
| |  |  |  | |
| 1/2 | BS-50S | BC-50G | SG-50 | SGN-50 |
| 3/4 | BS-75S | BC-75G | SG-75 | SGN-75 |
| 1 | BS-100S | BC-100G | SG-100 | SGN-100 |
| 1-1/4 - 1-1/2 | BS-125S | BC-125G | SG-125 | SGN-125 |
| 2 | BS-200S | BC-200G | SG-200 | SGN-200 |
| 2-1/2 - 3 | BS-250S | BC-250G | SG-250 | SGN-250 |
| 3-1/2 - 4 | BS-350S ① | BC-350G | SG-350 | SGN-350 |

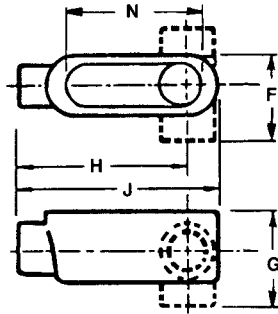
① Flat Top Design Cover

Spec 5™ Malleable Iron Conduit Bodies

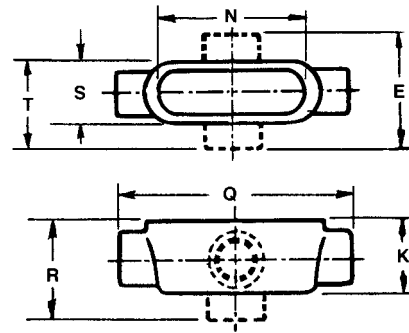
For Rigid Conduit and IMC



Type C



Type E, L, LB, LL, LR



Type T, TA, TB, X

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | | | |
|------------------------|------------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|
| | A | B | C | D | E | F | G | H | J |
| 1/2 | 92.2 (3.63) | 35.1 (1.38) | 35.1 (1.38) | 136.7 (5.38) | 84.1 (3.31) | 57.2 (2.25) | 57.2 (2.25) | 100.1 (3.94) | 115.8 (4.56) |
| 3/4 | 108.0 (4.25) | 39.6 (1.56) | 41.4 (1.63) | 152.4 (6.00) | 88.9 (3.50) | 62.0 (2.44) | 63.5 (2.50) | 112.8 (4.44) | 131.8 (5.19) |
| 1 | 127.0 (5.00) | 44.5 (1.75) | 47.8 (1.88) | 177.8 (7.00) | 98.6 (3.88) | 69.9 (2.75) | 73.2 (2.88) | 131.8 (5.19) | 152.4 (6.00) |
| 1-1/4 | 139.7 (5.50) | 55.6 (2.19) | 58.7 (2.31) | 189.0 (7.44) | 104.9 (4.13) | 81.0 (3.19) | 84.1 (3.31) | 138.2 (5.44) | 165.1 (6.50) |
| 1-1/2 | 152.4 (6.00) | 62.0 (2.44) | 65.0 (2.56) | 208.0 (8.19) | 117.6 (4.63) | 88.9 (3.50) | 93.7 (3.69) | 150.9 (5.94) | 181.1 (7.13) |
| 2 | 177.8 (7.00) | 76.2 (3.00) | 79.5 (3.13) | 233.4 (9.19) | 131.8 (5.19) | 103.1 (4.06) | 108.0 (4.25) | 168.4 (6.63) | 206.5 (8.13) |
| 2-1/2 | 228.6 (9.00) | 108.0 (4.25) | 92.2 (3.63) | 304.8 (12.00) | — | 146.1 (5.75) | 130.3 (5.13) | 222.3 (8.75) | 266.7 (10.50) |
| 3 | 228.6 (9.00) | 108.0 (4.25) | 111.3 (4.38) | 304.8 (12.00) | — | 146.1 (5.75) | 149.4 (5.88) | 212.9 (8.38) | 266.7 (10.50) |
| 3-1/2 | 279.4 (11.00) | 133.4 (5.25) | 124.0 (4.88) | — | — | 176.3 (6.94) | 166.6 (6.56) | 260.4 (10.25) | 322.3 (12.69) |
| 4 | 279.4 (11.00) | 133.4 (5.25) | 136.7 (5.38) | — | — | 176.3 (6.94) | 179.3 (7.06) | 254.0 (10.00) | 322.3 (12.69) |

FM9™ Aluminum Unilet® Conduit Outlet Bodies, Covers and Gaskets

For use with Rigid Steel, Rigid Aluminum and IMC.

Applications

- Serve as pulling fittings.
- Make bends in conduit system.
- Provide openings for splicing.
- Connect and change direction of conduit runs.
- Allow connections for branch runs.
- Permit access to conductors for maintenance.

Features

- Roomy interiors: deep body cavity provides increased volume allowing higher wiring capacity.
- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Completely interchangeable with Crouse-Hinds + Mark9™ + bodies, gaskets and covers. Equivalent FM9 and Mark 9™ + units have identical applications and installation dimensions.
- Seven body styles available in 1/2" thru 4" sizes, TB's in 1/2" thru 2" and X's in 1/2" thru 1".
- Aluminum Unilets: produced from a high-strength copperfree aluminum alloy, for light weight and high corrosion resistance.
- FM9™ covers with integral gasket are approved for use in wet locations.
- Covers are domed for extra wiring space.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.
- Stainless steel pan-head cover screws secure cover to body and provide superior screwdriver seating and torque. Cover screws are captive to prevent loss in sizes 1/2" thru 2".
- Hub Size
(Inches), body style, compliance data, maximum wire number/size and cubic capacity molded into body.

Standard Materials

- Conduit bodies: copperfree (4/10 of 1% max.) aluminum
- Covers: stamped copperfree (4/10 of 1% max.) aluminum
- Cover screws: stainless steel
- Gaskets: neoprene

Standard Finishes

- Conduit bodies, covers and screws: natural

Options

- PVC coating available on all bodies and select covers. Add suffix **-PVC** to catalog number.

NEC/CEC Certifications and Compliances

- UL Standards: 514A, ANSI/UL 514B
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065183
- NEMA Standard: FB-1



Type LL with Form-IN-Place cover










Captive Stainless Steel Pan-Head Cover Screws

+ Crouse-Hinds and Form 9 are registered trademarks of Cooper Crouse-Hinds.

FM9™ Aluminum Unilet® Conduit Bodies, Covers and Gaskets

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Appleton FM9 Conduit Bodies ① ②

| Trade Size (Inches) | C | LB | LL | LR |
|---------------------|---|---|--|---|
| |  |  |  |  |
| 1/2 | C19 | LB19 | LL19 | LR19 |
| 3/4 | C29 | LB29 | LL29 | LR29 |
| 1 | C39 | LB39 | LL39 | LR39 |
| 1-1/4 | C49 | LB49 | LL49 | LR49 |
| 1-1/2 | C59 | LB59 | LL59 | LR59 |
| 2 | C69 | LB69 | LL69 | LR69 |
| 2-1/2 | C789 | LB789 | LL789 | LR789 |
| 3 | C889 | LB889 | LL889 | LR889 |
| 3-1/2 | C989 | LB989 | LL989 | LR989 |
| 4 | C1089 | LB1089 | LL1089 | LR1089 |
| Trade Size (Inches) | T | TB | X | |
| |  |  |  | |
| 1/2 | T19 | TB19 | X19 | |
| 3/4 | T29 | TB29 | X29 | |
| 1 | T39 | TB39 | X39 | |
| 1-1/4 | T49 | TB49 | - | |
| 1-1/2 | T59 | TB59 | - | |
| 2 | T69 | TB69 | - | |
| 2-1/2 | T789 | - | - | |
| 3 | T889 | - | - | |
| 3-1/2 | T989 | - | - | |
| 4 | T1089 | - | - | |

① PVC coating available on all FM9 bodies. Add suffix **-PVC** to catalog number.



② Refer to following page for Wiring Capacity Tables

FM9™ Aluminum Unilet® Covers, Gaskets and Wiring Capacity

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Appleton FM9 Blank Covers and Gaskets and Stamped Aluminum Cover with Integral Gasket

(Covers furnished with Stainless Steel Screws)

| Body Size (Inches) | Stamped Aluminum Cover ① | Solid Gasket Neoprene |
|--------------------|---|---|
| |  |  |
| 1/2 | 190 | GASK1941 |
| 3/4 | 290 | GASK1942 |
| 1 | 390 | GASK1943 |
| 1-1/4 | 490 | GASK1944 |
| 1-1/2 | 590 | GASK1945 |
| 2 | 690 | GASK1946 |
| 2-1/2 | 889 | GASK808N |
| 3 | 889 | GASK808N |
| 3-1/2 | 989 | GASK809N |
| 4 | 989 | GASK809N |

Wiring Capacity: Combine Body and Cover Capacities for Total usable Capacity per NEC 314.16(A)

| Hub Size (Inches) | Capacity — dm ³ (in ³) | | | | | | Cover |
|-------------------|---|---------------|---------------|---------------|--------------|--------------|--------------|
| | C | LB | LL LR | T | TB | X | |
| 1/2 | 0.08 (4.80) | 0.08 (5.00) | 0.09 (5.30) | 0.08 (5.00) | 0.11 (6.80) | 0.12 (7.30) | 0.01 (0.50) |
| 3/4 | 0.13 (7.80) | 0.14 (8.30) | 0.14 (8.50) | 0.14 (8.30) | 0.18 (11.00) | 0.19 (11.30) | 0.01 (0.80) |
| 1 | 0.20 (12.30) | 0.21 (12.80) | 0.22 (13.30) | 0.20 (12.50) | 0.27 (16.50) | 0.28 (17.00) | 0.02 (1.00) |
| 1-1/4 | 0.41 (25.30) | 0.43 (26.50) | 0.45 (27.30) | 0.43 (26.30) | 0.42 (25.80) | — | 0.02 (1.50) |
| 1-1/2 | 0.61 (37.50) | 0.64 (39.00) | 0.65 (39.80) | 0.63 (38.50) | 0.63 (38.50) | — | 0.04 (2.50) |
| 2 | 1.27 (77.50) | 1.33 (81.30) | 1.36 (82.80) | 1.30 (79.50) | 1.26 (77.00) | — | 0.11 (6.50) |
| 2-1/2 | 3.77 (230.00) | 3.77 (230.00) | 3.77 (230.00) | 3.77 (230.00) | — | — | 0.20 (12.30) |
| 3 | 4.10 (250.00) | 4.10 (250.00) | 4.10 (250.00) | 4.10 (250.00) | — | — | 0.20 (12.30) |
| 3-1/2 | 7.37 (450.00) | 7.37 (450.00) | 7.37 (450.00) | 7.37 (450.00) | — | — | 0.39 (24.00) |
| 4 | 7.70 (470.00) | 7.70 (470.00) | 7.70 (470.00) | 7.70 (470.00) | — | — | 0.39 (24.00) |

① PVC coating available on select FM9 covers. Add suffix **-PVC** to catalog number.

FM9® Form-IN-Place Covers with Integral Gaskets

For FM9® Unilet® Conduit Outlet Bodies.

NEC/CEC:
Class I, Division 2
NEMA 3R

Applications

- Cover with integral gasket for FM9 conduit bodies.
- Can be used as replacement covers for installed bodies or in new installations.

Features

- Benefit from superior sealing, reduced inventory parts and faster installation times.
- Captive pan-head screws.
- High-strength, corrosion and weather resistant.
- Approved for wet locations.
- Fits all body configurations and sizes from 1/2" thru 4".


Standard Materials

- Stamped aluminum

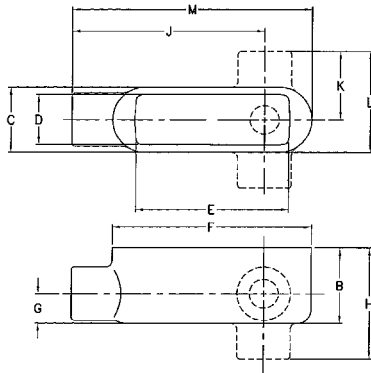
NEC/CEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065183
- NEMA Standard: FB-1

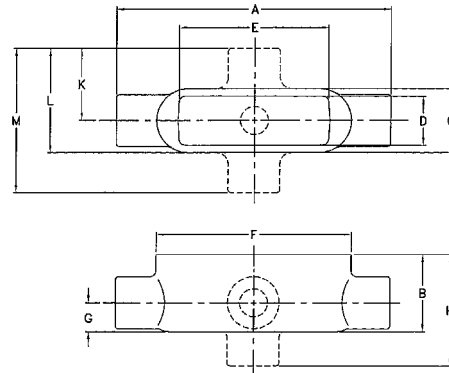


| Trade Size (Inches) | Stamped Aluminum |
|------------------------|---|
| |  |
| 1/2 | 190IG |
| 3/4 | 290IG |
| 1 | 390IG |
| 1-1/4 | 490IG |
| 1-1/2 | 590IG |
| 2 | 690IG |
| 2-1/2 and 3 | 889IG |
| 3-1/2 and 4 | 989IG |

FM9™ Conduit Body Dimensions



Type LB, LL and LR



Type C, T, TB and X

| | | Dimensions in Millimeters (Inches) | | | | | | | | | | | | |
|----------------------|-------|------------------------------------|-----------------|-----------------|-----------------|------------------|------------------|----------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|
| Hub Size (Inches) | | A | B | C | D | E | F | G | H | J | K | L | M | N |
| C, LB, T, LL, and LR | 1/2 | 126.2 (4.97) | 39.6 (1.56) | 35.1 (1.38) | 26.9 (1.06) | 3.28 (83.3) | 107.2 (4.22) | 16.0 (0.63) | 58.7 (2.31) | 91.2 (3.59) | 36.6 (1.44) | 54.1 (2.13) | - | 116.6 (4.59) |
| | 3/4 | 144.5 (5.69) | 46.0 (1.81) | 39.6 (1.56) | 1.22 (31.0) | 100.1 (3.94) | 122.2 (4.81) | 19.1 (0.75) | 65.8 (2.59) | 103.9 (4.09) | 40.4 (1.59) | 60.5 (2.38) | - | 64.0 (2.52) |
| | 1 | 167.4 (6.59) | 52.3 (2.06) | 44.5 (1.75) | 35.8 (1.41) | 115.8 (4.56) | 142.0 (5.59) | 22.4 (0.88) | 77.0 (3.03) | 122.9 (4.84) | 46.7 (1.84) | 69.1 (2.72) | - | 154.7 (6.09) |
| | 1-1/4 | 193.8 (7.63) | 68.3 (2.69) | 55.6 (2.19) | 47.8 (1.88) | 133.4 (5.25) | 166.6 (6.56) | 27.7 (1.09) | 95.3 (3.75) | 136.7 (5.38) | 54.9 (2.16) | 82.6 (3.25) | - | 180.1 (7.09) |
| | 1-1/2 | 209.6 (8.25) | 77.0 (3.03) | 64.3 (2.53) | 55.6 (2.19) | 150.9 (5.94) | 184.2 (7.25) | 31.8 (1.25) | 102.4 (4.03) | 152.4 (6.00) | 57.2 (2.25) | 89.7 (3.53) | - | 198.4 (7.81) |
| | 2 | 271.5 (10.69) | 95.3 (3.75) | 81.0 (3.19) | 71.4 (2.81) | 204.7 (8.06) | 242.8 (9.56) | 38.1 (1.50) | 124.0 (4.88) | 200.2 (7.88) | 67.6 (2.66) | 108.0 (4.25) | - | 257.3 (10.13) |
| | 2-1/2 | 397.0 (15.63) | 125.5 (4.94) | 127.0 (5.00) | 108.0 (4.25) | 276.4 (10.88) | 311.2 (12.25) | 63.5 (2.50) | 168.4 (6.63) | 290.6 (11.44) | 106.4 (4.19) | 169.9 (6.69) | - | 354.1 (13.94) |
| | 3 | 397.0 (15.63) | 134.9 (5.31) | 127.0 (5.00) | 108.0 (4.25) | 276.4 (10.88) | 311.2 (12.25) | 63.5 (2.50) | 177.8 (7.00) | 290.6 (11.44) | 106.4 (4.19) | 169.9 (6.69) | - | 354.1 (13.94) |
| | 3-1/2 | 476.3 (18.75) | 157.2 (6.19) | 158.8 (6.25) | 138.2 (5.44) | 341.4 (13.44) | 381.0 (15.00) | 79.5 (3.13) | 204.7 (8.06) | 349.3 (13.75) | 127.0 (5.00) | 206.5 (8.13) | - | 428.8 (16.88) |
| | 4 | 476.3 (18.75) | 163.6 (6.44) | 158.8 (6.25) | 138.2 (5.44) | 341.4 (13.44) | 381.0 (15.00) | 79.5 (3.13) | 211.1 (8.31) | 349.3 (13.75) | 127.0 (5.00) | 206.5 (8.13) | - | 428.8 (16.88) |
| TB and X | 1/2 | 150.9 (5.94) | 49.3 (1.94) | 35.1 (1.38) | 26.2 (1.03) | 83.3 (3.28) | 107.2 (4.22) | 16.0 (0.63) | 69.9 (2.75) | - | 39.6 (1.56) | 57.2 (2.25) | 79.5 (3.13) | 128.5 (5.06) |
| | 3/4 | 166.6 (6.56) | 56.4 (2.22) | 39.6 (1.56) | 31.0 (1.22) | 100.1 (3.94) | 122.2 (4.81) | 19.1 (0.75) | 77.0 (3.03) | - | 42.2 (1.66) | 62.0 (2.44) | 84.1 (3.31) | 144.5 (5.69) |
| | 1 | 190.5 (7.50) | 62.0 (2.44) | 44.5 (1.75) | 35.1 (1.38) | 115.8 (4.56) | 142.0 (5.59) | 22.4 (0.88) | 85.9 (3.38) | - | 46.7 (1.84) | 69.1 (2.72) | 93.7 (3.69) | 165.9 (6.53) |
| | 1-1/4 | 215.9 (8.50) | 68.3 (2.69) | 55.6 (2.19) | 44.5 (1.75) | 133.4 (5.25) | 166.6 (6.56) | 27.7 (1.09) | 95.3 (3.75) | - | - | - | - | 191.3 (7.53) |
| | 1-1/2 | 209.6 (8.25) | 77.0 (3.03) | 64.3 (2.53) | 55.6 (2.19) | 150.9 (5.94) | 184.2 (7.25) | 31.8 (1.25) | 102.4 (4.03) | - | - | - | - | 198.4 (7.81) |
| | 2 | 271.5 (10.69) | 95.3 (3.75) | 81.0 (3.19) | 69.9 (2.75) | 204.7 (8.06) | 242.8 (9.56) | 38.1 (1.50) | 124.0 (4.88) | - | - | - | - | 257.3 (10.13) |

Mogul Conduit Bodies

For Rigid Conduit and IMC

Applications

- To provide access to large and heavy conductors for pulling, splicing, maintenance and future changes / upgrades
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features

- Roomy interiors: more wiring space.
- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Form 85 copperfree aluminum Unilets are lightweight, self-oxidizing, self-renewing and offer a high corrosion resistance.
- Lightweight aluminum facilitates shipping, handling and installing.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- 1/2" to 3" blank covers are domed for extra wiring space.

Standard Materials

- Malleable iron
- Dichromate
- Copper-free aluminum
- Gaskets: neoprene
- Cover screws: stainless steel

Standard Finishes

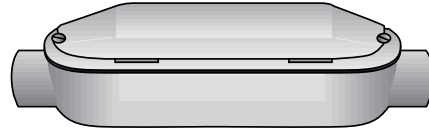
- Zinc electroplated
- Epoxy powder coat

Options

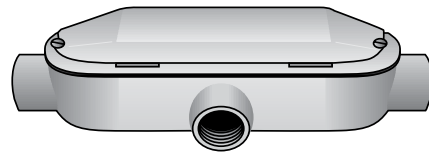
- For additional corrosion protection, specify Hot Dip Galvanized: add suffix "G" to Malleable Iron Catalog Number.

NEC/CEC Certifications and Compliances

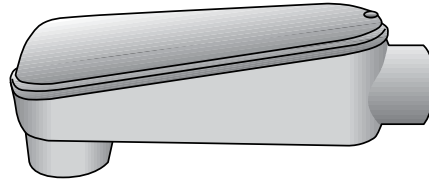
- UL Standard: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Suitable for wet locations when used with gasketed covers.
- Fed Spec: A-A-50563
- NEMA: FB-1, FB-2.10



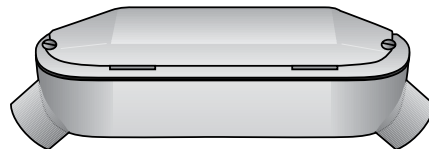
Type C8X



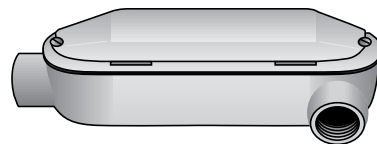
Type T8X



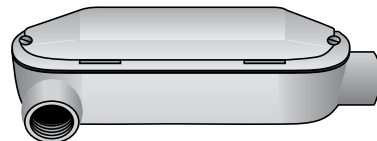
Type LB6X



Type UB6X




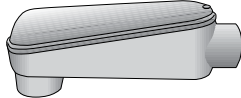

Type LL6X


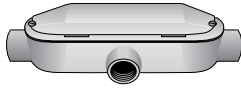



Type LR6X

Mogul Conduit Bodies

For Rigid Conduit and IMC

| Trade Size (Inches) | C8X | | LB6X | | LL6X | |
|---------------------|---|------------------------|--|-------------------------|---|------------|
| | Malleable Iron | Aluminum | Malleable Iron | Aluminum | Malleable Iron | Aluminum |
| |  | |  | |  | |
| 1 | C8X-100M | C8X-100MA | LB6X-100M | LB6X-100MA ^① | LL6X-100M | LL6X-100MA |
| 1-1/4 | C8X-125M ^① | C8X-125MA ^① | LB6X-125M ^① | LB6X-125MA ^① | LL6X-125M | LL6X-125MA |
| 1-1/2 | C8X-150M ^① | C8X-150MA ^① | LB6X-150M ^① | LB6X-150MA ^① | LL6X-150M | LL6X-150MA |
| 2 | C8X-200M ^① | C8X-200MA ^① | LB6X-200M ^① | LB6X-200MA ^① | LL6X-200M | LL6X-200MA |
| 2-1/2 | C8X-250M ^① | C8X-250MA ^① | LB6X-250M ^① | LB6X-250MA ^① | — | — |
| 3 | C8X-300M ^① | C8X-300MA ^① | LB6X-300M ^① | LB6X-300MA ^① | — | — |
| 3-1/2 | C8X-350M ^① | C8X-350MA ^① | LB6X-350M ^① | LB6X-350MA ^① | — | — |
| 4 | C8X-400M ^① | C8X-400MA ^① | LB6X-400M ^① | LB6X-400MA ^① | — | — |

| Trade Size (Inches) | LR6X | | T8X | | UB6X | |
|---------------------|---|------------|--|-----------|---|-------------------------|
| | Malleable Iron | Aluminum | Malleable Iron | Aluminum | Malleable Iron | Aluminum |
| |  | |  | |  | |
| 1 | LR6X-100M | LR6X-100MA | T8X-100M | T8X-100MA | UB6X-100M ^① | UB6X-100MA ^① |
| 1-1/4 | LR6X-125M | LR6X-125MA | T8X-125M | T8X-125MA | UB6X-125M ^① | UB6X-125MA ^① |
| 1-1/2 | LR6X-150M | LR6X-150MA | T8X-150M | T8X-150MA | UB6X-150M ^① | UB6X-150MA ^① |
| 2 | LR6X-200M | LR6X-200MA | T8X-200M | T8X-200MA | UB6X-200M ^① | UB6X-200MA ^① |
| 2-1/2 | — | — | T8X-250M | T8X-250MA | UB6X-250M ^① | UB6X-250MA ^① |
| 3 | — | — | T8X-300M | T8X-300MA | UB6X-300M ^① | UB6X-300MA ^① |
| w | — | — | T8X-350M | T8X-350MA | UB6X-350M ^① | UB6X-350MA ^① |
| | — | — | T8X-400M | T8X-400MA | UB6X-400M ^① | UB6X-400MA ^① |


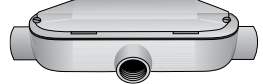




^① Furnished with rollers for easier cable pulling.

Mogul Conduit Bodies – Replacement Gaskets and Covers

For Rigid Conduit and IMC

Replacement Gaskets

Replacement Covers/Gasket Assemblies

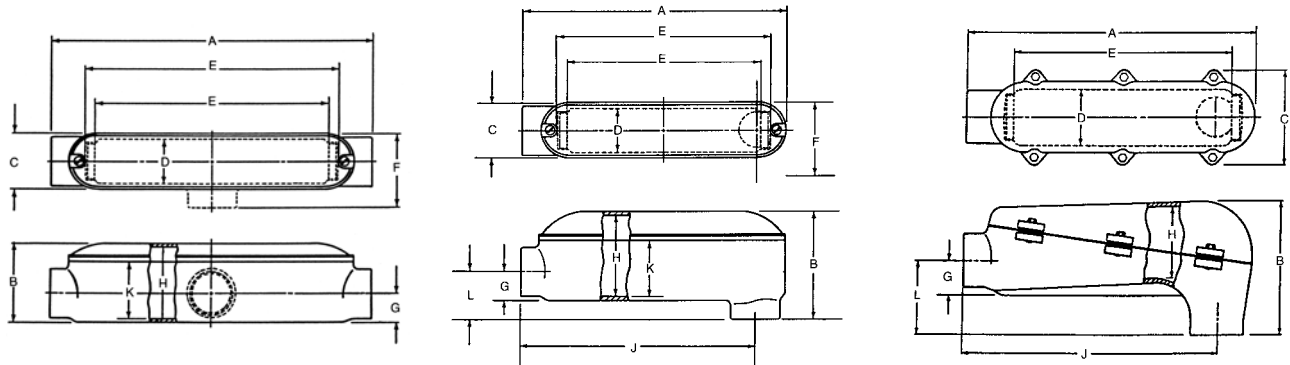
| Used With | Trade Size (Inches) | Gasket Only | Cover, Gasket and Cover Screws | | No. of Screws | |
|-------------|---------------------|-------------|--------------------------------|-----------|---------------|---|
| | | | Malleable Iron | Aluminum | | |
| C8X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGC125 | MKGC125-M | MKGC125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGC200 | MKGC200-M | MKGC200-A | 2 | |
| | 2 1/2 | MGC250 | MKGC250-M | MKGC250-A | 4 | |
| | 3 | MGC300 | MKGC300-M | MKGC300-A | 4 | |
| | 3 1/2 | MGC350 | MKGC350-M | MKGC350-A | 4 | |
| | 4 | MGC400 | MKGC400-M | MKGC400-A | 4 | 2-1/2" – 4" |
| | | | | | |  |
| | | | | | | Type C8X |
| T8X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGC125 | MKGC125-M | MKGC125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGC200 | MKGC200-M | MKGC200-A | 2 | |
| | 2 1/2 | MGC250 | MKGC250-M | MKGC250-A | 4 | |
| | 3 | MGC300 | MKGC300-M | MKGC300-A | 4 | |
| | 3 1/2 | MGC350 | MKGC350-M | MKGC350-A | 4 | |
| | 4 | MGC400 | MKGC400-M | MKGC400-A | 4 | 2-1/2" – 4" |
| | | | | | |  |
| | | | | | | Type T8X |
| LB6X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGL125 | MKGL125-M | MKGL125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGL200 | MKGL200-M | MKGL200-A | 2 | |
| | 2 1/2 | MGL250 | MKGL250-M | MKGL250-A | 6 | |
| | 3 | MGL300 | MKGL300-M | MKGL300-A | 6 | |
| | 3 1/2 | MGL350 | MKGL350-M | MKGL350-A | 6 | |
| | 4 | MGL400 | MKGL400-M | MKGL400-A | 6 | 2-1/2" – 4" |
| | | | | | |  |
| | | | | | | Type LB6X |
| UB6X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGL125 | MKGL125-M | MKGL125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGL200 | MKGL200-M | MKGL200-A | 2 | |
| | 2 1/2 | MGL250 | MKGC250-M | MKGC250-A | 4 | |
| | 3 | MGL300 | MKGU300-M | MKGU300-A | 4 | |
| | 3 1/2 | MGL350 | MKGC350-M | MKGC350-A | 4 | |
| | 4 | MGL400 | MKGU400-M | MKGU400-A | 4 | 2-1/2" – 4" |
| | | | | | |  |
| | | | | | | Type UB6X |
| LL6X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGL125 | MKGL125-M | MKGL125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGL200 | MKGL200-M | MKGL200-A | 2 | |
| | | | | | |  |
| | | | | | | Type LL6X |
| LR6X Series | 1 | MG100 | MKG100-M | MKG100-A | 2 | 1" – 2" |
| | 1-1/4 | MGL125 | MKGL125-M | MKGL125-A | 2 | |
| | 1 1/2 | MG150 | MKG150-M | MKG150-A | 2 | |
| | 2 | MGL200 | MKGL200-M | MKGL200-A | 2 | |
| | | | | | |  |
| | | | | | | Type LR6X |

Mogul Conduit Bodies

For Rigid Conduit and IMC

Dimensional Data:

Mogul Types C, T, and LB



Types C and T

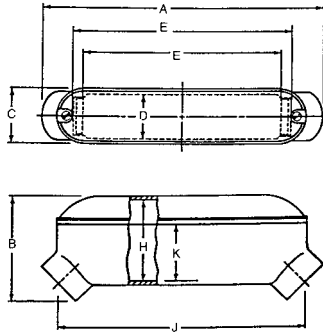
Type LB (1" to 2")

Type LB (2 1/2" thru 4")

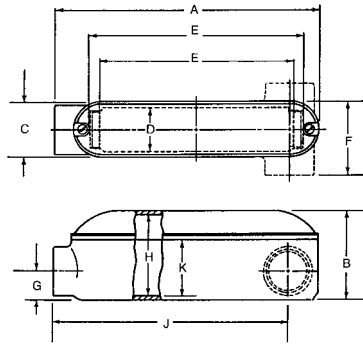
| Type Mogul | Trade Size (Inches) | Cubic Inch Capacity | A | B | C | D | E | F | G | H | J | K | L |
|------------|---------------------|---------------------|-------|------|------|-------|-------|------|------|-------|-------|------|------|
| C | 1 | 31 | 9.81 | 2.75 | 2.38 | 1.88 | 6.63 | | 0.94 | 2.44 | | 1.88 | |
| | 1-1/4* | 50 | 12.00 | 3.31 | 2.38 | 1.88 | 7.69 | | 1.16 | 3.00 | | 2.19 | |
| | 1 1/2* | 93 | 13.94 | 3.75 | 3.13 | 2.50 | 9.31 | | 1.38 | 3.38 | | 2.56 | |
| | 2* | 143 | 17.94 | 4.44 | 3.13 | 2.50 | 13.00 | | 1.63 | 4.00 | | 3.18 | |
| | 2 1/2* | 335 | 23.25 | 5.13 | 4.63 | 3.75 | 17.50 | | 1.81 | 4.63 | | 3.63 | |
| | 3* | 475 | 26.88 | 5.94 | 4.63 | 3.63 | 21.00 | | 2.16 | 5.44 | | 4.38 | |
| | 3 1/2* | 830 | 31.38 | 7.19 | 5.63 | 4.50 | 24.94 | | 2.50 | 6.69 | | 4.88 | |
| T | 4* | 1010 | 35.38 | 7.56 | 5.63 | 4.50 | 28.94 | | 2.75 | 7.06 | | 5.25 | |
| | 1 | 31 | 9.81 | 2.75 | 2.38 | 1.88 | 6.63 | 3.25 | 0.94 | 2.44 | | 1.88 | |
| | 1-1/4 | 50 | 12.00 | 3.31 | 2.38 | 1.88 | 8.56 | 3.38 | 1.16 | 3.00 | | 2.19 | |
| | 1 1/2 | 93 | 13.94 | 3.75 | 3.13 | 2.50 | 10.38 | 4.13 | 1.38 | 3.38 | | 2.56 | |
| | 2 | 143 | 17.94 | 4.44 | 3.13 | 2.50 | 14.13 | 4.13 | 1.63 | 4.00 | | 3.18 | |
| | 2 1/2 | 335 | 23.25 | 5.13 | 4.63 | 3.75 | 18.69 | 6.00 | 1.81 | 4.63 | | 3.63 | |
| | 3 | 475 | 26.88 | 5.94 | 4.63 | 3.63 | 22.19 | 6.00 | 2.16 | 5.44 | | 4.38 | |
| LB | 3 1/2 | 830 | 31.38 | 7.19 | 5.63 | 4.50 | 26.19 | 7.25 | 2.50 | 6.69 | | 4.88 | |
| | 4 | 1010 | 35.38 | 7.56 | 5.63 | 4.50 | 30.19 | 7.25 | 2.75 | 7.06 | | 5.25 | |
| | 1 | 31 | 8.94 | 3.63 | 2.38 | 1.88 | 6.63 | | 0.94 | 2.44 | 7.88 | 1.88 | 1.88 |
| | 1-1/4* | 48 | 9.69 | 4.75 | 2.38 | 1.88 | 6.31 | | 1.16 | 3.44 | 8.50 | 2.63 | 2.16 |
| | 1 1/2* | 107 | 13.00 | 5.25 | 3.13 | 2.50 | 9.31 | | 1.38 | 3.94 | 11.63 | 3.06 | 2.38 |
| | 2* | 145 | 14.63 | 6.31 | 3.13 | 2.50 | 10.75 | | 1.63 | 4.88 | 12.94 | 3.44 | 2.69 |
| | 2 1/2* | 210 | 17.88 | 8.00 | 5.88 | 3.50 | 13.75 | | 2.13 | 4.13 | 15.81 | | 4.56 |
| 3* | 345 | 21.06 | 10.00 | 5.88 | 3.50 | 17.00 | | 2.50 | 5.13 | 18.50 | | 5.38 | |
| 3 1/2* | 500 | 24.31 | 10.25 | 7.00 | 4.63 | 19.88 | | 3.00 | 4.75 | 21.38 | | 6.63 | |
| 4* | 740 | 27.50 | 12.50 | 7.00 | 4.63 | 23.00 | | 3.25 | 6.38 | 24.38 | | 7.00 | |

Mogul Conduit Bodies

For Rigid Conduit and IMCww



Types UB



Types LL and LR

| Type Mogul | Trade Size (Inches) | Cubic Inch Capacity | A | B | C | D | E | F | G | H | J | K | L |
|------------|---------------------|---------------------|-------|-------|------|------|-------|------|------|------|-------|------|---|
| UB | 1 | 31 | 9.63 | 3.50 | 2.38 | 1.88 | 6.63 | | | 2.44 | 8.44 | 1.88 | |
| | 1-1/4* | 40 | 10.25 | 4.13 | 2.38 | 1.88 | 6.31 | | | 3.00 | 8.94 | 2.19 | |
| | 1 1/2* | 91 | 13.69 | 4.63 | 3.13 | 2.50 | 9.31 | | | 3.38 | 12.19 | 2.56 | |
| | 2* | 134 | 15.25 | 5.00 | 3.13 | 2.50 | 10.75 | | | 4.56 | 13.38 | 3.18 | |
| | 2 1/2* | 375 | 22.88 | 7.06 | 4.63 | 3.75 | 17.50 | | | 5.44 | 20.13 | 4.38 | |
| | 3* | 445 | 22.88 | 7.31 | 4.63 | 3.75 | 17.50 | | | 6.81 | 20.13 | 4.38 | |
| | 3 1/2* | 840 | 30.88 | 8.94 | 5.63 | 4.50 | 24.88 | | | 7.06 | 27.50 | 5.25 | |
| | 4* | 960 | 30.88 | 10.31 | 5.63 | 4.50 | 24.88 | | | 8.44 | 27.50 | 5.25 | |
| LL, LR | 1 | 31 | 8.94 | 2.75 | 2.38 | 1.88 | 6.63 | 3.25 | 0.94 | 2.44 | 7.88 | 1.88 | |
| | 1-1/4 | 42 | 9.69 | 3.31 | 2.38 | 1.88 | 7.25 | 3.38 | 1.16 | 3.00 | 8.50 | 2.19 | |
| | 1 1/2 | 93 | 13.00 | 3.75 | 3.13 | 2.50 | 10.38 | 4.13 | 1.38 | 3.38 | 11.63 | 2.56 | |
| | 2 | 134 | 14.63 | 5.00 | 3.13 | 2.50 | 11.81 | 4.13 | 1.63 | 4.56 | 12.94 | 3.44 | |

FS and FD Cast Hub Device Boxes

UNILETS® for use with Threaded Rigid Conduit and IMC. All Device Boxes have Ridge Top Construction. Furnished with Internal Ground Screw.

Applications

- Accommodate wiring devices such as switches and receptacles.
- Provide excellent service in areas where boxes are subject to rough usage.
- Serve as pull boxes for conductors.
- Permit access to conductors for maintenance.
- Provide openings for making splices.
- Allow connections for branch conduit runs.
- Blank bodies for special conduit entrance arrangements.

Features

- Corrosion-resistant — ideal for indoor and outdoor installations.
- Weatherproof, raintight and dust-tight when used with cast gasketed covers.
- FS and FD boxes take standard flush wiring devices.
- FD boxes take devices exceeding 41.4 mm (1.63 in) in depth under fastening ears.
- Malleable iron for high tensile strength and ductility — provides greater resistance to impact and shock.
- Both malleable iron and aluminum boxes have ridge top construction for positive cover/gasket/box fit.
- Accurately tapped, tapered threads for tight, rigid joints, ground continuity.
- Complete selection of covers, receptacles, plugs, gaskets and accessories.
- Covers have captive stainless steel screws to speed installation, prevents loss of screws.
- Internal grounding screws standard.
- Available in single, two and three gang and tandem.
- Smooth, rounded integral bushing in each hub protects conductor insulation.

Standard Materials

- Boxes: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Covers: malleable iron, steel, or copperfree (4/10 of 1% max.) aluminum
- Screws: stainless steel
- Gaskets: neoprene

Standard Finishes

- Malleable iron boxes and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Aluminum boxes and covers: epoxy powder coat
- Steel covers: zinc electroplate

NEC/CEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E-18095, E2527
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Suitable for wet locations when used with gasketed covers.
- Fed Spec: A-A-50563
- NEMA Standard: FB-1



Illustrated Features



Gasket is designed so that it wraps around ridge top of 0-Z/Gedney aluminum or malleable iron device box. Result is a positive seal against moisture.




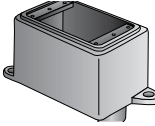


Gasket construction. Cover tightens on largest perimeter of gasket and fits snugly against portion of gasket that wraps around ridge top of box.

FS and FD Single Gang Cast Hub Device Boxes

UNILETS® for use with Threaded Rigid Metal Conduit and IMC. Furnished with Internal Ground Screw.

W







FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep

| | Type | Depth | Trade Size (Inches) | Catalog Number | |
|--|------|---------|---------------------|--------------------------|--------------------|
| | | | | Malleable Iron Ridge Top | Aluminum Ridge Top |
|  | FS | Shallow | 1/2 | FS-1-50 | FS-1-50-A |
| | | | 3/4 | FS-1-75 | FS-1-75-A |
| | | | 1 | FS-1-100 | FS-1-100-A |
| | FD | Deep | 1/2 | FD-1-50 | FD-1-50-A |
| | | | 1/2 | FD-1-50ED ① | FD-1-50-AED ① |
| | | | 3/4 | FD-1-75 | FD-1-75-A |
| | | | 3/4 | FD-1-75ED ① | FD-1-75-AED ① |
| | | | 1 | FD-1-100 | FD-1-100A |
| | | | | | |
|  | FSC | Shallow | 1/2 | FSC-1-50 | FSC-1-50-A |
| | | | 3/4 | FSC-1-75 | FSC-1-75-A |
| | | | 1 | FSC-1-100 | FSC-1-100-A |
| | FDC | Deep | 1/2 | FDC-1-50 | FDC-1-50-A |
| | | | 1/2 | FDC-1-50ED ① | FDC-1-50-AED ① |
| | | | 3/4 | FDC-1-75 | FDC-1-75-A |
| | | | 3/4 | FDC-1-75ED ① | FDC-1-75-AED ① |
| | | 1 | FDC-1-100 | FDC-1-100-A | |
| | | 1 | FDC-1-100ED ① | FDC-1-100-AED ① | |
|  | FDL | Deep | 1/2 | FDL-1-50 | — |
| | | | 3/4 | FDL-1-75 | — |
|  | FDR | Deep | 1/2 | FDR-1-50 | — |
| | | | 3/4 | FDR-1-75 | — |
|  | FDA | Deep | 1/2 | FDA-1-50 | — |
| | | | 3/4 | FDA-1-75 | — |
|  | FSS | Shallow | 1/2 | FSS-1-50 | FSS-1-50-A |
| | | | 3/4 | FSS-1-75 | FSS-1-75-A |
| | FDS | Deep | 1/2 | FDS-1-50 | FDS-1-50-A |
| | | | 3/4 | FDS-1-75 | FDS-1-75-A |
| | | | 1 | FDS-1-100 | FDS-1-100-A |
|  | FSLA | Shallow | 1/2 | FSLA-1-50 | — |

① Extra deep with mounting feet.
Shaded boxes include mounting feet.

FS and FD Single Gang Cast Hub Device Boxes

UNILETS® for use with Threaded Rigid Metal Conduit and IMC. FS Box 2.00" Deep, FD Box 2.69" Deep. Furnished with Internal Ground Screw.

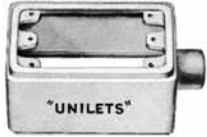
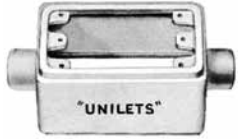



| FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep | | | | | |
|---|----------------|---------|-------------------|--------------------------|--------------------|
| | Type | Depth | Hub Size (Inches) | Catalog Number | |
| | | | | Malleable Iron Ridge Top | Aluminum Ridge Top |
|  | FSCA | Shallow | 1/2 | FSCA-1-50 | — |
| | | | 3/4 | FSCA-1-75 | — |
|  | FSCC | Shallow | 1/2 | FSCC-1-50 | — |
| | | | 3/4 | FSCC-1-75 | FSCC-1-75A |
| | FDCC | Deep | 1/2 | FDCC-1-50 | FDCC-1-50A |
| | | | 1/2 | FDCC-1-50ED ① | — |
| | | | 3/4 | FDCC-1-75 | FDCC-1-75-A |
| | | | 3/4 | FDCC-1-75ED ① | — |
| 1 | FDCC-1-100 | — | | | |
|  | FSCT | Shallow | 1/2 | FSCT-1-50 | FSCT-1-50A |
| | | | 3/4 | FSCT-1-75 | FSCT-1-75A |
| | | | 1 | FSCT-1-100 | — |
| | FDCT | Deep | 1/2 | FDCT-1-50 | — |
| | | | 1/2 | FDCT-1-50ED ① | — |
| | | | 3/4 | FDCT-1-75 | FDCT-1-75A |
| 3/4 | | | FDCT-1-75ED ① | — | |
| 1 | FDCT-1-100 | — | | | |
| 1 | FDCT-1-100ED ① | — | | | |
|  | FST | Shallow | 1/2 | FST-1-50 | — |
| | | | 3/4 | FST-1-75 | — |
| | FDT | Deep | 1/2 | FDT-1-50 | — |
| 3/4 | | | FDT-1-75 | — | |
| 1 | FDT-1-100 | — | | | |
|  | FSX | Shallow | 1/2 | FSX-1-50 | — |
| | | | 3/4 | FSX-1-75 | — |
| | FDX | Deep | 1/2 | FDX-1-50 | — |
| | | | 1/2 | FDX-1-50ED ① | — |
| | | | 3/4 | FDX-1-75 | — |
| | | | 3/4 | FDX-1-75ED ① | — |
| 1 | FDX-1-100 | — | | | |
|  | FSCD | Shallow | 1/2 | FSCD-1-50 | — |
| | | | 3/4 | FSCD-1-75 | — |

① Extra deep with mounting feet.

FS and FD Single Gang and Tandem Cast Hub Device Boxes


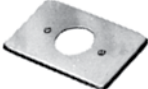







UNILETS® for use with Threaded Rigid Metal Conduit and IMC. FS Box 2.00" Deep, FD Box 2.69" Deep. Furnished with Internal Ground Screw.

FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep

| | Type | Depth | Hub Size (Inches) | Catalog Number | |
|---|------|--------------|-------------------|--------------------------|--------------------|
| | | | | Malleable Iron Ridge Top | Aluminum Ridge Top |
| FS Single Gang Boxes with Double Opening | | | | | |
|  | FS | 3.38" | 1/2 | FS-1D-50 | — |
| | | | 3/4 | FS-1D-75 | FS-1D-75A |
|  | FSC | 3.38" | 1/2 | FSC-1D-50 | — |
| | | | 3/4 | FSC-1D-75 | — |
| FS Two-Gang Tandem Boxes — Takes single gang covers | | | | | |
|  | FS | Shallow | 1/2 | FS-2T-50 | — |
| | | | 3/4 | FS-2T-75 | — |
|  | FSC | Shallow | 1/2 | FSC-2T-50 | — |
| | | | 3/4 | FSC-2T-75 | — |
|  | FS | 1" Extension | — | FS-1EXT | — |


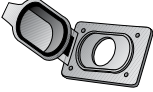












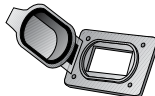
FS and FD Single Gang and Tandem Cast Hub Device Box Covers

Steel Covers and Aluminum Covers for Ridge Top Boxes. Furnished with Stainless Steel Screws, Less Gasket.

| | Description | Catalog Number | |
|---|--|---|-------------------|
| | | Steel | Aluminum |
|  | For double push button switches, momentary contact and maintain switches. | FSK-1PB | — |
|  | For square handle tumbler or toggle switches. | FS1-SCS | FSK-1TS-A |
|  | For square handle tumbler or toggle switches. Has toggle guard. | FSK-1TSG | — |
|  | For two or three interchangeable devices. Includes mounting bracket. | FSK-1WD-3 | — |
|  | For round flush receptacles, without lift cover. Mounts on device. Hole Dia. — 1-13/32". | FSK-1R-Q | FSK-1R-Q-A |
|  | For round flush receptacles, with lift cover. Mounts on device. Hole Dia. — 1-13/32". | FSK-1R-T | — |
|  | For round receptacles. Mounts directly on box. Hole Dia. — 1-13/32". | FS1-SRCS | FSK-1R-W-A |
|  | For round receptacles. Mounts directly on box. Hole Dia. — 1-5/8". 3-9/32" C to C screw holes. | FS1-LRS | — |
|  | For round receptacles. Mounts on device. Hole Dia. — 1-5/8". 2-3/8" C to C screw holes. | FSK-1R-Y | FSK-1R-Y-A |
|  | For standard 2 or 3 wire duplex receptacles. | FS1-DCS | FSK-1DR-A |
|  | For pilot lamp: Red Jewel Amber Jewel Green Jewel Opal Jewel | FSK-1J FSK-1JA FSK-1JG FSK-1JO | — — — — |
|  | Blank | FS1-BCS | FS1-BCS-A |
|  | Blank | FS1-BC <i>(Gray iron)</i> | FS1-BC-A |

FS and FD Single Gang and Tandem Cast Hub Device Box Covers

Covers for Ridge Top Boxes.

| | | Description | Catalog Number | |
|---|---|--|--|--|
| | | | Malleable Iron | Aluminum |
| Cast Covers NEMA 3R Wet Locations – Furnished with gasket and stainless steel screws | | | | |
|  |  | Receptacle cover with spring cover. Hole Diameter – 1-7/16" | FSK-1VR | FSK-1VR-A |
| FSK-1VR | FS1-WRCA | Round receptacle Hole Diameter – 1-13/32" | — | FS1-WRCA |
|  | | For duplex flush receptacle with spring cover | FSK-1VDR | FS1-WDC-A |
| FSK-1VDR | | | | |
|  | | For pilot lamp flush receptacles: Red Jewel Opal Jewel Amber Jewel Green Jewel | FSK-1J-C FSK-1JOC FSK-1JAC FSK-1JGC | FSK-1-JCA FSK-1JOCA FSK-1JACA FSK-1JGCA |
|  |  | For double push button switches | FSK-1PBS | — |
| FSK-1PBS | FSK-1VTS | For external operation of tumbler switches with square handles | FSK-1VTS | FS1-WPCA |
|  |  | Operating type for square handle tumbler or toggle switches | FSK-1VS | FS1-WSCA |
| FSK-1VS | FSK-1V | Rocker type for square handle tumbler or toggle flush switches | FSK-1V | FSK-1V-A |
|  | | Blank | FSK-1B-C | FSK-1B-CA |
| Gasket – Replacement | | | | |
|  | | Neoprene—for use with wet location covers | | FS1-SG |
| Cast Covers Dry Locations – Furnished with stainless steel screws less gasket | | | | |
|  |  | For standard 2 or 3 wire duplex receptacles | FS1-DC | FS1-DC-A |
| FS1-DC | FSK-1R-Z | For round flush receptacles Hole Dia. – 1-7/16" | FSK-1R-Z | — |
|  |  | For square handle toggle switches | FSK-1TS-C | — |
| FSK-1TS-C | FSK-1TSG-C | For square handle toggle switches; Has toggle guard | FSK-1TSG-C | FSK-1TSG-CA |
|  | | Ground fault receptacle | — | FS1-GFCA |
| FS1-GFCA | | | | |

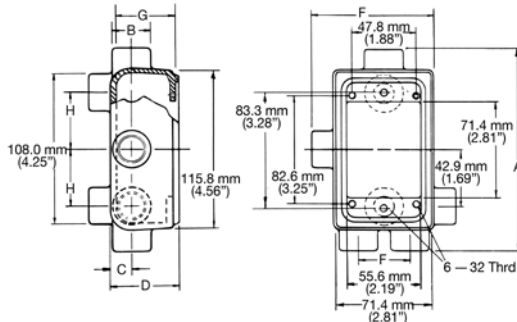
FS and FD Single Gang and Tandem Cast Hub Device Box Wiring Capacity and Dimensions

Wiring Capacity

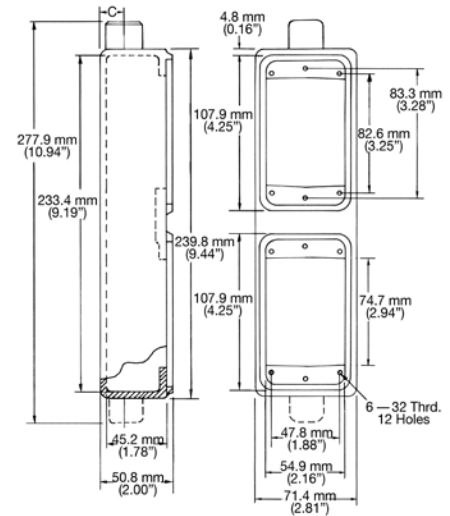
| Hub Size (Inches) | Capacity — dm ³ (in ³) | | |
|-------------------|---|----------------|--------------------|
| | Single-Gang FS | Single-Gang FD | Two-Gang Tandem FS |
| 1/2 | 0.29 (18.00) | 0.41 (25.00) | 0.66 (40.00) |
| 3/4 | 0.29 (18.00) | 0.41 (25.00) | 0.66 (40.00) |
| 1 | 0.29 (18.00) | 0.41 (25.00) | 0.66 (40.00) |

Dimensions in Millimeters (Inches)

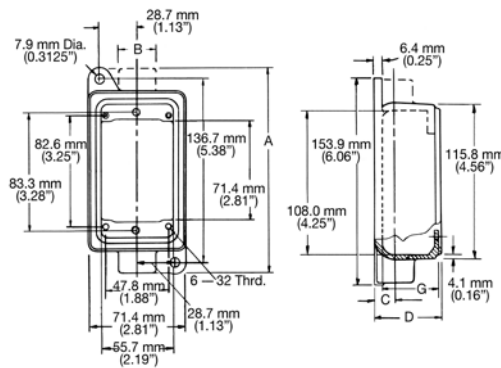
FS and FD Single Gang Boxes without lugs



FS Tandem Boxes



FS and FD Single Gang Boxes with lugs



| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | | | | |
|-------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | A | B | C | D | | E | F | G | | H |
| | | | | "FS" | "FD" | | | "FS" | "FD" | |
| 1/2 | 149.4 (5.88) | 28.7 (1.13) | 16.0 (0.63) | 50.8 (2.00) | 68.3 (2.69) | 38.1 (1.50) | 88.9 (3.50) | 45.2 (1.78) | 62.0 (2.44) | 42.9 (1.69) |
| 3/4 | 149.4 (5.88) | 35.1 (1.38) | 19.1 (0.75) | 50.8 (2.00) | 68.3 (2.69) | 52.3 (2.06) | 88.9 (3.50) | 45.2 (1.78) | 62.0 (2.44) | 38.1 (1.50) |
| 1 | 160.3 (6.31) | 42.9 (1.69) | 23.9 (0.94) | 50.8 (2.00) | 68.3 (2.69) | 52.3 (2.06) | 88.9 (3.50) | 45.2 (1.78) | 62.0 (2.44) | 35.1 (1.38) |

Wet Location Receptacle Covers

Available with NEMA Configuration Receptacles or as Covers Only

Covers also accommodate Toggle Switches.

Applications

- Meet NEC 406.8(B) and CEC receptacle requirements for wet locations: "A receptacle installed outdoors where exposed to weather or in other wet locations shall be in a weatherproof enclosure, the integrity of which is not affected when the receptacle is in use (attachment plug cap inserted)."
- For industrial, commercial or residential use as a general purpose receptacle or for powering portable equipment not exceeding medium duty ratings.
- Mounts on FS or FD device boxes or equivalents, either single gang or multiple gang with single gang openings.

Features

- Provides full protection in damp or wet locations per NEC 406.8(B) and CEC. Gasketed spring door cover closes tightly automatically to protect receptacle from moisture and dirt when not in use. With plug inserted, a heavy-duty gasket in throat of receptacle seals around it to keep out moisture and dirt.
- Receptacle interiors comply with NEMA Standards WD-1 and WD-5.
- Receptacle interiors are specification grade, back and side-wired.
- Single cover units accommodate NEMA configuration receptacles for locking or non-locking blade plugs, or toggle switches. Duplex units accommodate one receptacle and one toggle switch or any combination of the two.
- Covers open all the way, permitting easy plug insertion and withdrawal. Also permits adequate access to cover screws for easy attachment of cover to FS, FD or other device box. Large head cover screws are captivated.
- Unique design of spring door hinge provides smooth action. Duplex units have a separate hinge shaft for each spring door cover to reduce stress on the shafts.
- Spring door cover puts pressure on plug (without tilting plug) to hold plug in best position for providing optimum weatherproof seal.
- Stainless steel hinge springs are completely enclosed — inside and out — for superior resistance against corrosion.
- EPDM gaskets provide superior resistance to the weather, ozone and temperatures between -45.6 °C and +126.7 °C (-50.08 °F and +260 °F).



Duplex Cover on FS Box.



Single Cover on FS Box.

- Diecast copperfree cover assemblies with epoxy powder coat (electrostatically applied for uniform coverage) to provide protection against corrosion.
- Positive ground path assured for all exposed metal parts.
- Receptacle interiors grounded through an extra contact in all types. Self-grounded in duplex units.

Standard Materials

- Cover and faceplate: diecast copperfree (4/10 of 1%) aluminum
- Gaskets: ethylene propylene rubber (EPDM)
- Cover and device screws: stainless steel, 6—32 thread
- Hinge springs: stainless steel
- Hinge shaft: nylon
- FSK-SBA adapter: steel plate with closed cell sponged neoprene gasket

Standard Finishes

- Cover and faceplate: epoxy powder coat
- FSK-SBA adapter: zinc electroplate

NEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E2527, E3439
- NEMA Standards: FB-1, OS-1

Illustrated Features



Typical application with NEMA configuration receptacle and plug, mounted on an FS box. Gasket seals around plug, keeping out moisture and dirt. Spring door closes automatically when plug is withdrawn to protect receptacle.





Spring doors open wide for easy plug insertion and cover assembly (covers shown in open position for illustration only). This view shows gaskets that protect plugs. Gasket on bottom of cover prevents entry of moisture into device box (see gasket description).

Wet Location Receptacle Covers

Available with NEMA Configuration Receptacles or as Covers Only

Covers also accommodate Toggle Switches.

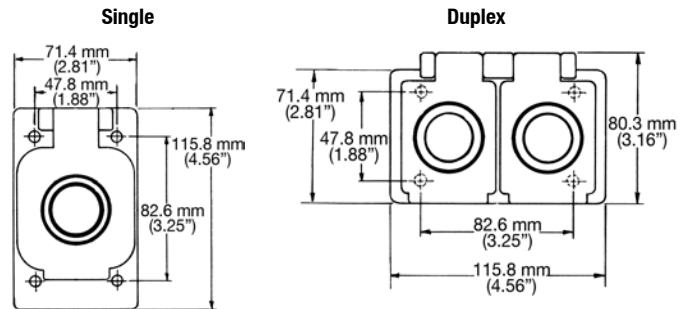
NEMA 3R

| | Amp | Wire/Pole | Volts | NEMA Configuration | Catalog Number With Receptacle | Catalog Number Cover Only |
|--|-----|-----------|-------|--------------------|-----------------------------------|------------------------------|
| Duplex Cover for Non-Locking Blade Plugs, with 1-3/8" Device Opening | | | | | | |
|  | 15 | 2P, 3W | 125 | 5-15R | FSKD5-15 | FSK-WRD |
| | 15 | 2P, 3W | 250 | 6-15R | FSKD6-15 | FSK-WRD |
| | 20 | 2P, 3W | 125 | 5-20R | FSKD5-20 | FSK-WRD |
| | 20 | 2P, 3W | 250 | 6-20R | FSKD6-20 | FSK-WRD |
| Single Cover for Non-Locking and Locking Blade Plugs, with 1-3/8" Device Opening | | | | | | |
|  | 15 | 2P, 3W | 125 | 5-15R | FSKJ5-15 | FSK-WR1 |
| | 15 | 2P, 3W | 250 | 6-15R | FSKJ6-15 | FSK-WR1 |
| | 20 | 2P, 3W | 125 | 5-20R | FSKJ5-20 | FSK-WR1 |
| | 20 | 2P, 3W | 250 | 6-20R | FSKJ6-20 | FSK-WR1 |
| | 15 | 2P, 3W | 125 | L5-15R | FSKJL5-15 | FSK-WR1 |
| | 15 | 2P, 3W | 250 | L6-15R | FSKJL6-15 | FSK-WR1 |
| | 15 | 2P, 3W | 277 | L7-15R | FSKJL7-15 | FSK-WR1 |
| Single Cover for Locking Blade Plugs, with 1-19/32" Device Opening | | | | | | |
| Accommodates NEMA configuration receptacles with 1-19/32" device opening. | | | | | — | FSK-WR2 |
| Single Cover for GFI — Meets NEMA 3R Wet Location in Closed Position Only | | | | | | |
| GFI Cover Only | | | | | — | FSK-WGF1 |
| Single Cover for Toggle Switches (1-19/32" opening) | | | | | | |
| Accommodates Toggle Switch. Furnished with Toggle Switch Plate to provide protection from exposed terminal wires of Toggle Switch. | | | | | — | FSK-WT2 |
| Adapter/Gasket | | | | | | |
| For mounting Receptacle Cover on Switch Boxes (not required on FS/FD Boxes) | | | | | | FSK-SBA |

Dimensions in Millimeters (Inches)



Receptacle Cover mounted on Switch Box with FSK-SBA Adapter/Gasket








NOTE: All receptacle covers have an overall height of 29.5 mm (1.16 in).

① Covers shown in open position for illustration only. Spring door closes automatically when plug is withdrawn.

FS and FD Two Gang Cast Device Boxes

UNILETS® for use with Threaded Rigid Metal Conduit and IMC. Furnished with Internal Ground Screw.


FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep

| | Type | Depth | Hub Size (Inches) | Catalog Number | | |
|--|---|---|-------------------|--------------------------|--------------------|----------------|
| | | | | Malleable Iron Ridge Top | Aluminum Ridge Top | |
|  | FS | Shallow | 1/2 | FS-2-50 | FS-2-50-A | |
| | | | 3/4 | FS-2-75 | FS-2-75-A | |
| | | | 1 | FS-2-100 | — | |
| | FD | Deep | 1/2 | FD-2-50 | — | |
| | | | 3/4 | FD-2-75 | FD-2-75-A | |
| | | | 1 | FD-2-100 | — | |
|  | FSC | Shallow | 1/2 | FSC-2-50 | — | |
| | | | 3/4 | FSC-2-75 | — | |
| | | | 1 | FSC-2-100 | — | |
| | FDC | Deep | 1/2 | FDC-2-50 | — | |
| | | | 3/4 | FDC-2-75 | FDC-2-75-A | |
| | | | 1 | FDC-2-100 | — | |
|  | FSS | Shallow | 1/2 | FSS-2-50 | — | |
| | | | 3/4 | FSS-2-75 | FSS-2-75-A | |
| | | | 1 | FSS-2-100 | — | |
| | FDS | Deep | 3/4 | FDS-2-75 | — | |
| |  | FSD | Shallow ① | 1/2-3/4 | FSD-2-75 | — |
| | |  | FS | 1" Extension ② | — | FS-2EXT |

① Largest hub at bottom in illustration.

② Extension does not have a ground screw.

FS and FD Two Gang Cast Hub Device Box Covers for Ridge Top Boxes

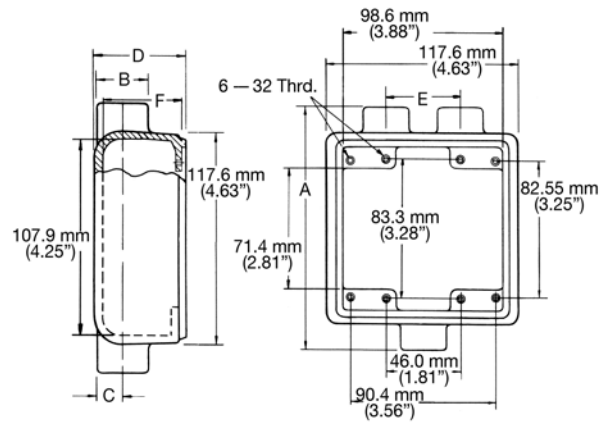
| | Description | Catalog Number | |
|---|---|-------------------------------|---------------------------------|
| | | Steel | Aluminum |
| Stamped Steel and Aluminum Covers – With stainless steel screws, less gasket | | | |
|  | For square handle tumbler or toggle flush switches | FS-2-SCS | FSK-2TS-A |
|  | For two round receptacles. Mounts on device. Hole Dia. – 1-13/32" | FSK-2R-Q | — |
| | For two round receptacles. Mounts directly on box. Hole Dia. – 1-13/32" | FSK-2R-W | — |
|  | For round flush receptacles, with lift cover. Mounts on device. Hole Dia. – 1-13/32" | FSK-2R-T | — |
|  | For duplex flush receptacles | FS-2-DCS | FSK-2DR-A |
|  | For tumbler flush switch and duplex flush receptacles | FS-2-SDCS | — |
|  | For round flush receptacle and duplex receptacles Hole Dia. – 1-13/32" | FSK-2R-L | — |
|  | For round receptacles. Hole Dia. – 2-15/32 | FSK-2R-M | — |
|  | Blank Cover | FSK-2B | FSK-2B-A |
| | | Malleable Iron | Aluminum |
| Cast Covers – Weatherproof – With gasket and stainless steel screws | | | |
|  | For external operation of tumbler switches with square handles | — | FS-2-WSCA |
|  | Blank Cover | FS-2-BC (Gray iron) | FS-2-BCS FS-2-BCA |
|  | Gasket – Replacement Neoprene — for use with 2-gang cast covers above | FS-2-SG | — |

FS and FD Two Gang and Cast Hub Device Box Wiring Capacity and Dimensions

Wiring Capacity

| Hub Size (inches) | FS | Capacity — dm ³ (in ³) | FD |
|-------------------|--------------|---|--------------|
| 1/2 | 0.52 (32.00) | | 0.74 (45.00) |
| 3/4 | 0.52 (32.00) | | 0.74 (45.00) |
| 1 | 0.52 (32.00) | | 0.74 (45.00) |

Dimensions in Millimeters (Inches)

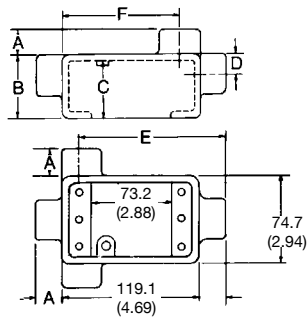


| Hub Size (inches) | Dimensions in Millimeters (Inches) | | | | | | | |
|-------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | A | B | C | D | | E | F | |
| | | | | "FS" | "FD" | | "FS" | "FD" |
| 1/2 | 149.4 (5.88) | 28.7 (1.13) | 16.0 (0.63) | 50.8 (2.00) | 68.3 (2.69) | 47.8 (1.88) | 45.2 (1.78) | 62.0 (2.44) |
| 3/4 | 149.4 (5.88) | 35.1 (1.38) | 19.1 (0.75) | 50.8 (2.00) | 68.3 (2.69) | 47.8 (1.88) | 45.2 (1.78) | 62.0 (2.44) |
| 1 | 160.3 (6.31) | 42.9 (1.69) | 23.9 (0.94) | 50.8 (2.00) | 68.3 (2.69) | 52.3 (2.06) | 45.2 (1.78) | 62.0 (2.44) |

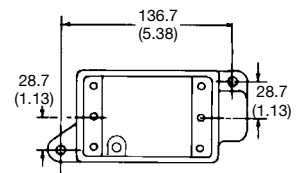
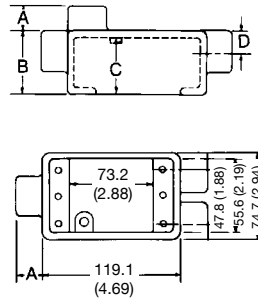
Cast Device Boxes

Dimensions in Millimeters (Inches)

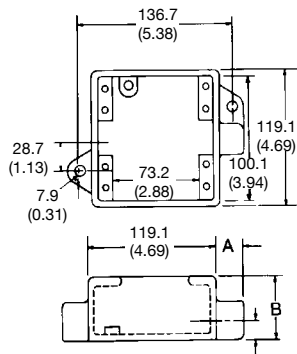
Type FD Extra Deep



Single Gang



With Mounting Lugs



Two Gang
With Mounting Lugs

| Catalog Number | Hub Size (Inches) | Dimensions in Millimeters (Inches) | | | | | |
|-------------------|-------------------|------------------------------------|--------------|--------------|--------------|---------------|---------------|
| | | A | B | C | D | E | F |
| All FD Type Boxes | 1/2 | 19.05 (0.75) | 77.72 (3.06) | 73.15 (2.88) | 16 (0.63) | 119.13 (4.69) | 100.08 (3.94) |
| | 3/4 | 19.05 (0.75) | 77.72 (3.06) | 73.15 (2.88) | 19.05 (0.75) | 115.82 (4.56) | 96.77 (3.81) |
| | 1 | 22.35 (0.88) | 77.72 (3.06) | 73.15 (2.88) | 22.35 (0.88) | — | — |

Outdoor Connection Box

Applications

Provides a simple method of installing receptacles used for head-bolt heater outlets in cold area, recreational vehicles, parking areas, trucking terminals, etc.

Replaces makeshift enclosures and is an easy way to install outdoor wiring devices.

Features

- Easy installation.
- Standard set-screw design provides easy slip-fit mounting on either unthreaded or threaded 4" trade size rigid or IMC conduit.
- Set screws allow permanent positioning of receptacle openings as required.
- Use with standard receptacles and covers.
- Has four standard FS openings which accommodate single, duplex and GFI receptacles and weatherproof covers.
- Internal grounding screw standard.
- Corrosion resistant construction.
- Compact profile.
- Large volume for wiring capacity to allow feed-thru and splices.

Standard Materials

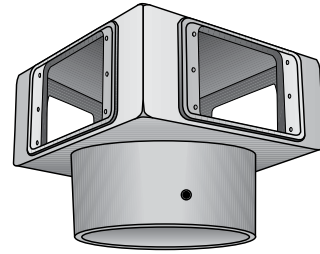
- Copper-free aluminum

Standard Finishes

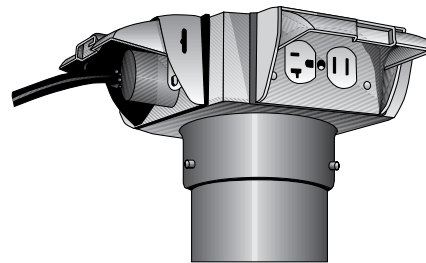
Aluminum Enamel

NEC/CEC Certifications and Compliances

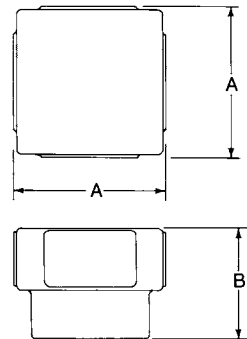
- UL Standard: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795



Type OCB



Typical Application
(covers, receptacles not supplied)



Dimensional Data

| Hub Size With 3 Set Screws | Wiring Capacity dm3 (in3) | No. Duplex Receptacle Openings | Dimensions in Millimeters (Inches) | | Catalog Number |
|----------------------------------|---------------------------------|--------------------------------------|------------------------------------|---------------|-------------------|
| | | | A | B | |
| 4 | 1.62 (99) | 4 | 166.62 (6.56) | 123.95 (4.88) | OCB404-SA |

Hazardous Location Fittings and Outlet Boxes

Fundamentals of Hazardous Locations

Introduction

A hazardous location is defined as an area where a potential for fire or explosion exists due to the presence of flammable gases, liquids or vapors, combustible dusts or fibers and flyings in sufficient quantities to produce an explosion or ignitable mixture.

These hazards may exist during normal manufacturing or handling processes, or in case of accidental rupture or breakdown of storage containers or systems, or abnormal operation of equipment.

Ignition can result from the normal operation of switches, motors and receptacles as contacts open and close, or from heat producing equipment such as lighting fixtures and motors where operating temperatures exceed the ignition temperature of the surrounding atmosphere. Another source is the electrical system, either through faulty connections causing arcs and sparks, or faults due to insulation failure.

The National Electrical Code

To insure safe electrical systems in hazardous locations, standards for electrical installations have been established by the National Electrical Code (NEC), sponsored by the National Fire Protection Association (NFPA). The NEC establishes minimum standards for the design and installation of electrical products, found in Articles 500 through 516.

Class I Locations

Locations in which flammable gases or vapors may be present in the air in quantities sufficient to produce explosive or ignitable mixtures. These locations would be classified Division I when the gases or vapors exist continuously or periodically under normal operating conditions or Division II if they are handled in closed containers or systems and are present under abnormal conditions.

Class I Groups

Class I gases and vapors are divided into four Groups by the NEC: A, B, C and D. The gases and vapors are designated for each group according to explosive pressure, ignition temperature, flammable characteristics and other variables. Class I groups are typified by some of the following:

Group A: Acetylene

Group B: Hydrogen, Butadiene, Ethylene oxide, etc.

Group C: Ethylene, Cyclopropane, Carbon monoxide, etc.

Group D: Gasoline, Acetone, Butane, Propane, Alcohol, Natural gas (Methane), etc.

Class I Divisions

Class I locations are further subdivided into divisions. There are two divisions that may be classified in a Class I location.

Class I, Division 1: Locations in which the gases or vapors exist continuously or periodically under normal operating conditions.

Class I, Division 2: Locations in which the gases or vapors are handled in closed containers or will exist only under abnormal conditions.

International Electrotechnical Commission

The NEC also addresses the IEC method of classification of Class 1 hazardous locations. This method can be found in NEC Article 505.

Class I gases and vapors under this method are divided into three groups by the IEC: IIC, IIB and IIA. The gases and vapors are designated for each group according to the maximum experimental safe gap, minimum igniting current, or both. (For further information refer to IEC publication 79-1A, 79-12 and UL Technical Report No. 58 (1993).

Group IIC: Acetylene, Hydrogen or gases or vapors of equivalent hazard.

Group IIB: Acetaldehyde, Ethylene or gases or vapors of equivalent hazard.

Group IIA: Propane or gases or vapors of equivalent hazard.

The IEC method of classification of Class I hazardous locations is also subdivided. There are three zones that may be classified in a Class I location. These are Zone 0, Zone 1 and Zone 2. Refer to NEC Article 505 for specific Zone classification and application.

Typical Class I Locations:

Petrochemical plants
Petroleum refining facilities
Aircraft hangers and fuel servicing areas
Spray finishing areas
Dry cleaning plants
Solvent plants
Gas manufacturing facilities

Class II Locations

Locations where the presence of combustible dusts are in the air in sufficient quantities to ignite or explode. These locations would be classified Division I when the dusts are suspended in air continuously or periodically and where equipment failure or abnormal operation may cause ignition of the explosive mixtures. A Division II location exists where dust is not in suspension, but accumulates in quantities sufficient to prevent the dissipation of heat from electrical equipment or may be ignited by sparks, arcs or burning material from the equipment.

Class II Groups

Class II locations comprise both conductive and non-conductive dusts and are divided into three groups by the NEC. They are arranged into groups E, F and G according to their ignition temperature and electrical resistivity.

Group E: Contains metal dusts regardless of resistivity and dusts with similar hazardous characteristics with a resistivity of less than 105 ohm-centimeter, e.g., metals, aluminum, magnesium, and chemical dusts.

Group F: Contains carbon black, charcoal, coal or coke dusts which have more than 8% total volatile material (carbon black per ASTM D1620, charcoal, coal and coke dusts per ASTM D271) or atmospheres containing these dusts sensitized by other materials so that they present an explosion hazard, and having resistivity greater than 102 ohm-centimeter but equal to or less than 108 ohm-centimeter.

Hazardous Location Fittings and Outlet Boxes

Fundamentals of Hazardous Locations

Group G: Contains non-conductive dusts having a resistivity of 105 ohms-centimeter or greater, e.g., flour, starch, grain, combustible plastics, and chemical dusts.

Class II Divisions

Class II locations are further subdivided into divisions. There are two divisions that may be classified in a Class II location.

Class II, Division 1: Locations in which the dusts are suspended in air continuously or periodically and where equipment failure or abnormal operation may cause ignition of the explosive mixtures.

Class II, Division 2: Locations in which the dust is not suspended in air, but accumulates in quantities sufficient to prevent the dissipation of heat from electrical equipment or may be ignited by sparks, arcs or burning material from the equipment.

Typical Class II Locations:

Flour and feed mills
Grain elevators
Fireworks manufacturing facilities
Sugar and cocoa processing plants
Magnesium and aluminum manufacturing facilities
Confectionary producers
Coal handling facilities
Pharmaceutical plant
Starch processing plants

Class III Locations

Locations in which easily ignitable fibers or flyings are present but, are not likely to be in suspension in the air in quantities sufficient to produce ignitable mixtures. These locations would be classified Division I where ignitable fibers or materials producing combustible flyings are manufactured, used or handled, or Division II where ignitable fibers are handled or stored, but no manufacturing processes are performed.

There are no Group designations for Class III Hazardous Locations.

Class III, Division 1: Locations in which easily ignitable fibers or materials producing combustible flyings are handled, used or manufactured.

Class III, Division 2: Locations in which easily ignitable fibers are stored or handled other than in the manufacturing process

Typical Class III Locations:

Textile mills
Woodworking plants
Cotton mills
Flax processing plants

Clothing manufacturing plants
Thread and yarn mills

Equipment Design

In hazardous locations, there exists a potential for fire and explosions due to the flammable or combustible nature of the materials that may be present. As a result, precautions must be taken to guard against the ignition of the atmosphere. Three basic conditions must be present for a fire or explosion to occur:

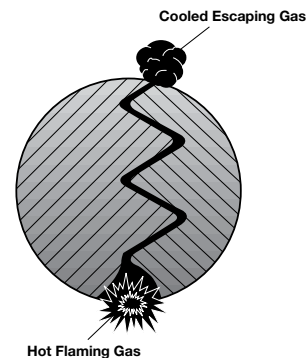
1. Sufficient amounts of flammable liquid, vapors or combustible dust present.
2. Correct mixture of air with the flammable liquids and vapors or combustible dusts.
3. A source of ignition.

Conduit systems in Class I locations are not "gas-tight". Combustible vapors normally accumulate within the electrical system, and will explode with the proper mixture of fuel, air and ignition. Equipment for Class I locations is "Explosion-Proof," that is, designed to contain the internal explosion while allowing the hot gases to cool and vent so as not to ignite the surrounding atmosphere.

Equipment for use in Class II locations would be "Dust-Ignition Proof," and designed with close fitting and/or gasketed parts, to preclude the entry of dusts into the enclosure. Consideration must also be given to the heat build up that could occur, due to the layer of dust that may settle on the equipment.

Enclosures for Class III installations must preclude the entrance of fibers and flyings, and must have no openings to allow sparks or burning material to escape. This equipment must also operate at a temperature lower than the point of combustion of the hazardous material.

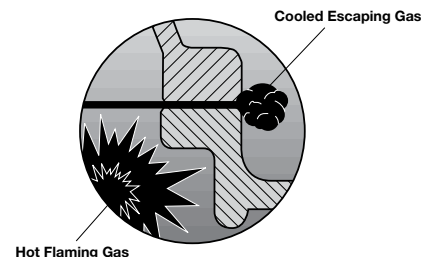
Typical O-Z/Gedney product Type GUA Outlet Box



Threaded Joint

The use of threaded joint construction also allows the gases to be vented and cooled. The gases travel from inside the enclosure over the threads and the temperature is reduced to below the ignition point of the surrounding atmosphere.

Typical O-Z/Gedney product Type YE Hazardous Location Junction Box



Flat-Ground Joint

One means of venting the hot gases is to have them travel between two accurately machined, close-fitting metal surfaces. This allows the gases to be cooled to a temperature below the ignition point of the surrounding atmosphere.

UNY and UNF Unions

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2 Groups A, B, C, D

Class II, Division 1 and 2 Groups E, F, G

Class III

Applications

- UNY and UNF unions are used for joining conduit and connecting conduit to enclosures. Facilitates modifications, permits removal of enclosures without turning or removal of conduit.
- Expansion unions compensate for expansion and contraction of conduit.

Features

- Explosionproof, dust-ignitionproof.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Non-expansion unions
 - Concentric ring interlocked design of 1/2", 3/4" and 1" sizes makes possible smaller diameter, allowing use in tighter spaces. 1-1/4" and larger UNY sizes have removable male nipple.
 - Concretetight
- Expansion unions
 - One-piece design eliminates need for disassembly during installation.
 - Telescoping cylinder within cylinder design permits expansion or contraction.
 - Standard or long types available.
 - Small external diameters—excellent in restricted areas in wiring of pumps, motors, and other equipment.
 - Internal phosphor bronze "bonding jumper" ring assures positive ground between telescoping cylinders.

Standard Materials

- UNY and UNF (non-expansion) unions:
 - 1/2" thru 1": steel or aluminum
 - 1-1/4" thru 6": malleable iron or copperfree (4/10 of 1% max.) aluminum
- UNY and UNF expansion unions: steel
- Concretetight

Standard Finishes

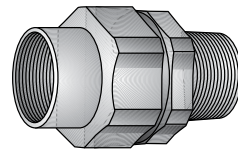
- Malleable iron products: triplecoat — (1) zinc electroplate, (2) chromate and (3) epoxy powder coat
- Steel products: zinc electroplate
- Aluminum products 1/2" thru 4": natural

Options

- PVC coating available on select unions. Add suffix **-PVC** to catalog number.
- Stainless steel UNF/UNY available 1/2", 3/4", and 1". Add suffix **-SS** to catalog number.

NEC/CEC Certifications and Compliances

- UL Standard: 886
 - UL Listed: E-34997
 - CSA Standard: C22.2 No. 30
 - CSA Certified: 065181
- NEC Articles 500-503 and 505
Mil. Spec: Mil-F28675



UNY and UNF Unions

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2 Groups A, B, C, D

Class II, Division 1 and 2 Groups E, F, G

Class III

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Malleable Iron | Dimensions in Millimeters (Inches) | | Copper Free Aluminum | Dimensions in Millimeters (Inches) | |
|------------------------|---------------------------------------|-------------------|-----------|-------------------|---------------------------------------|-----------|-------------------------|---------------------------------------|-----------|
| | Steel | Overall Length | Max. Dia. | | Overall Length | Max. Dia. | | Overall Length | Max. Dia. |
| 1/2 | UNF-50S | 1-1/2 | 1-1/2 | — | — | — | UNF-50A | 1-1/2 | 1-1/2 |
| 3/4 | UNF-75S | 1-1/2 | 1-3/4 | — | — | — | UNF-75A | 1-1/2 | 1-3/4 |
| 1 | UNF-100S | 2-23/32 | 2 | — | — | — | UNF-100A | 1-23/32 | 2 |
| 1-1/4 | — | — | — | UNF-125 | 2-1/5 | 2-13/16 | UNF-125A | 2-1/5 | 2-13/16 |
| 1-1/2 | — | — | — | UNF-150 | 2-1/5 | 3-1/16 | UNF-150A | 2-1/5 | 3-1/16 |
| 2 | — | — | — | UNF-200 | 2-5/16 | 3-23/32 | UNF-200A ^① | 2-5/16 | 3-23/32 |
| 2-1/2 | — | — | — | UNF-250 | 3-3/8 | 4-7/8 | UNF-250A ^① | 3-3/8 | 4-7/8 |
| 3 | — | — | — | UNF-300 | 3-3/8 | 5-3/8 | UNF-300A ^① | 3-3/8 | 5-3/8 |
| 4 | — | — | — | UNF-400 | 3-1/2 | 6-7/16 | UNF-400A ^① | 3-1/2 | 6-7/16 |
| 5 | — | — | — | UNF-500 | 3-7/8 | 8-3/8 | UNF-500A | 4-5/16 | 8-1/4 |
| 6 | — | — | — | UNF-600 | 4 | 9-5/8 | UNF-600A | 4-5/16 | 9-3/8 |

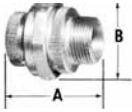

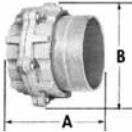


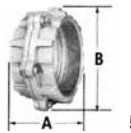
| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Malleable Iron | Dimensions in Millimeters (Inches) | | Copper Free Aluminum | Dimensions in Millimeters (Inches) | |
|------------------------|---------------------------------------|-------------------|-----------|-------------------|---------------------------------------|-----------|-------------------------|---------------------------------------|-----------|
| | Steel | Overall Length | Max. Dia. | | Overall Length | Max. Dia. | | Overall Length | Max. Dia. |
| 1/2 | UNY-50S | 2-9/64 | 1-15/32 | — | — | — | UNY-50A | 2-9/64 | 1-15/32 |
| 3/4 | UNY-75S | 2-5/32 | 1-3/4 | — | — | — | UNY-75A | 2-5/32 | 1-1/4 |
| 1 | UNY-100S | 2-5/8 | 2 | — | — | — | UNY-100A | 2-5/8 | 2 |
| 1-1/4 | — | — | — | UNY-125 | 3-1/8 | 2-13/16 | UNY-125A | 3-1/8 | 2-13/16 |
| 1-1/2 | — | — | — | UNY-150 | 3-1/4 | 3-1/16 | UNY-150A | 3-1/4 | 3-1/16 |
| 2 | — | — | — | UNY-200 | 3-5/8 | 3-23/32 | UNY-200A ^① | 3-5/8 | 3-23/32 |
| 2-1/2 | — | — | — | UNY-250 | 4-13/16 | 4-7/8 | UNY-250A ^① | 4-13/16 | 4-7/8 |
| 3 | — | — | — | UNY-300 | 4-13/16 | 5-3/8 | UNY-300A ^① | 4-13/16 | 5-3/8 |
| 3-1/2 | — | — | — | UNY-350 | 4-15/16 | 5-7/8 | UNY-350A ^① | 4-15/16 | 5-7/8 |
| 4 | — | — | — | UNY-400 | 5-1/8 | 6-7/16 | UNY-400A ^① | 5-1/8 | 6-7/16 |
| 5 | — | — | — | UNY-500 | 5-5/8 | 8-3/8 | UNY-500A | 6-1/8 | 8-1/4 |
| 6 | — | — | — | UNY-600 | 5-3/4 | 9-5/8 | UNY-600A | 6-1/8 | 9-5/8 |

^① CSA Listed.

UNY and UNF Unions

Explosionproof, Dust-Ignitionproof

NEC/CEC:
 Class I, Division 1 and 2 Groups A◇, B◆, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

| | Size (Inches) | Millimeters (Inches) | | Catalog Number | |
|--|------------------|----------------------|--------------|--|--------------------------|
| | | A | B | Steel (1/2" to 1") and Malleable (1-1/4" to 6") | Aluminum (1/2" to 4") |
| UNY Unions – For connecting conduit to enclosure | | | | | |
| <i>Male/Female (Nipple Not Removable)</i> | | | | | |
|  1/2" — 1" | 1/2 | 54.4 (2.147) | 37.3 (1.47) | UNY-50S ②◇ | UNY-50A ②◇ |
| | 3/4-1/2 | 54.8 (2.16) | 37.3 (1.47) | UNY-75-50S ◇ | UNY-75-50A ◇ |
| | 3/4 | 54.8 (2.16) | 44.5 (1.75) | UNY-75S ②◇ | UNY-75A ②◇ |
| | 1 | 66.7 (2.62) | 50.8 (2.00) | UNY-100S ②◇ | UNY-100A ②◇ |
| <i>Male/Female (Removable Male Nipple)</i> | | | | | |
|  1-1/4" — 4" | 1-1/4 | 79.4 (3.13) | 71.4 (2.81) | UNY-125 ②◆ | UNY-125NA ②◆ |
| | 1-1/2 | 82.6 (3.25) | 77.8 (3.06) | UNY-150 ②◆ | UNY-150NA ②◆ |
| | 2 | 92.1 (3.63) | 94.5 (3.72) | UNY-200 ②◆ | UNY-200NA ②◆ |
|  5" — 6" | 2-1/2 | 122.2 (4.81) | 123.8 (4.88) | UNY-250 ②◆ | UNY-250A ②◆ |
| | 3 | 122.2 (4.81) | 136.5 (5.38) | UNY-300 ②◆ | UNY-300A ②◆ |
| | 3-1/2 | 125.4 (4.94) | 149.2 (5.88) | UNY-350 ②◆ | UNY-350A ②◆ |
| | 4 | 130.2 (5.13) | 163.5 (6.44) | UNY-400 ②◆ | UNY-400A ②◆ |
| | 5 | 142.9 (5.63) | 212.7 (8.33) | UNY-500 ② | UNY-500A |
| | 6 | 146.1 (5.75) | 244.5 (9.63) | UNY-600 ② | UNY-600A |
| UNF Female Unions – For connecting conduit to conduit | | | | | |
|  1/2" — 1" | 1/2 | 37.3 (1.47) | 37.3 (1.47) | UNF-50S ②◇ | UNF-50A ②◇ |
| | 3/4-1/2 ① | 37.3 (1.47) | 37.3 (1.47) | UNF-75-50S ◇ | UNF-75-50A ◇ |
| | 3/4 | 37.3 (1.47) | 44.5 (1.75) | UNF-75S ②◇ | UNF-75A ②◇ |
| | 1 | 43.7 (1.72) | 50.8 (2.00) | UNF-100S ②◇ | UNF-100A ②◇ |
|  1-1/4" — 4" | 1-1/4 | 55.6 (2.19) | 71.4 (2.81) | UNF-125NR ②◆ | UNF-125A ②◆ |
| | 1-1/2 | 55.6 (2.19) | 77.8 (3.06) | UNF-150NR ②◆ | UNF-150A ②◆ |
| | 2 | 58.7 (2.31) | 94.5 (3.72) | UNF-200NR ②◆ | UNF-200A ②◆ |
|  5" — 6" | 2-1/2 | 85.7 (3.38) | 123.8 (4.88) | UNF-250R ②◆ | UNF-250A ②◆ |
| | 3 | 85.7 (3.38) | 136.5 (5.38) | UNF-300R ②◆ | UNF-300A ②◆ |
| | 3-1/2 | 85.7 (3.38) | 149.2 (5.88) | UNF-350R ②◆ | UNF-350A ②◆ |
| | 4 | 88.9 (3.50) | 163.5 (6.44) | UNF-400R ②◆ | UNF-400A ②◆ |
| | 5 | 98.4 (3.88) | 212.7 (8.33) | UNF-500R ② | UNF-500A |
| | 6 | 101.6 (4.00) | 244.5 (9.63) | UNF-600R ② | UNF-600A |

① Male end given first

② PVC coating available on select unions. Add suffix **-PVC** to catalog number.

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

◆ Indicated items in the shaded area which are UL Listed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.

360° Swivel Conduit Unions

Explosionproof, Dust-Ignitionproof

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:

Class I, Division 1 and 2, Groups C, D
 Class I, Zone 1 and 2, Groups IIA, IIB
 Class II, Division 1 and 2, Groups E, F, G
 Class III

Application

- Allows conduit to be joined at any angle.

Features

- Explosionproof, dust-ignitionproof.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered NPT threads for tight, rigid joints and ground continuity.
- Threaded for rigid conduit or IMC.



Standard Materials

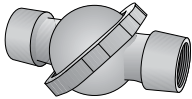
- Gray iron

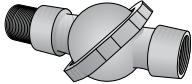
Standard Finishes

- Zinc electroplate

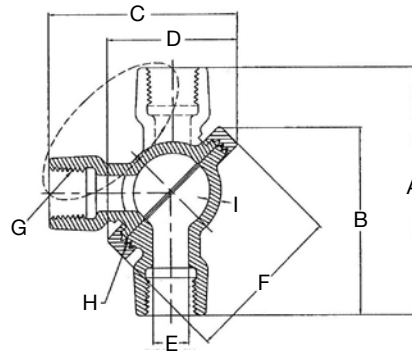
NEC/CEC Compliances and Certifications

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- NEC Articles 500-503 and 505

| | Size (Inches) | Dimensions in Millimeters (Inches) | | |
|--|------------------|------------------------------------|------------------|----------------|
| | | Overall Length | Maximum Diameter | Catalog Number |
| Flexible/Swivel Elbows — Full 360° | | | | |
|  | 1/2 | 101.6 (4.00) | 47.6 (1.88) | UNA-50 |
| | 3/4 | 114.3 (4.50) | 50.8 (2.00) | UNA-75 |
| | 1 | 133.4 (5.25) | 63.5 (5.50) | UNA-100 |

| | | | | |
|---|-----|--------------|--------------|----------------|
| Flexible/Swivel Elbows — Full 360° (Removable Nipple) | | | | |
|  | 1/2 | 114.3 (4.50) | 47.75 (1.88) | UNA-50 |
| | 3/4 | 2.27 (5.00) | 52.32 (2.06) | UNA-75 |
| | 1 | 2.61 (5.75) | 63.5 (2.50) | UNA-100 |

Dimensions in Millimeters (Inches)



| Catalog Number | Size (Inches) | A | B | C | D | E Throat Ø | F Ø | G NPT | H UN Thread | I |
|----------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|-------------------------------|-------------------------------|-------------|
| UNA-50 | 1/2 | 101.60 (4.00) | 76.20 (3.00) | 76.20 (3.00) | 47.63 (1.88) | 15.08 (0.59) | 66.68 (2.63) | 12.70 — 355.60 (0.50 — 14.00) | 50.80 — 6.35 (2.00 — 0.25) | 3.97 (0.16) |
| UNA-75 | 3/4 | 114.30 (4.50) | 84.37 (3.32) | 84.37 (3.32) | 52.39 (2.06) | 19.84 (0.78) | 74.61 (2.94) | 19.05 — 355.60 (0.75 — 14.00) | 63.5 — 304.80 (2.50 — 12.00) | 3.97 (0.16) |
| UNA-100 | 1 | 133.35 (5.25) | 88.90 (3.50) | 88.90 (3.50) | 63.50 (2.50) | 25.40 (1.00) | 88.90 (3.50) | 25.40 — 292.10 (1.00 — 11.50) | 79.38 — 304.80 (3.13 — 12.00) | 4.76 (0.19) |

Sealing Fittings

Explosionproof; Dust-Ignitionproof

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

Applications

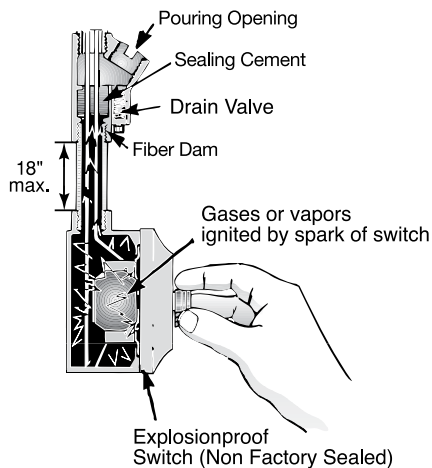
- Prevent passage of gases, vapors or flames from one portion of conduit system to another. Restrict any explosion to the sealed off enclosure. Prevent pressure piling within conduit system.
- Required in Class I, Division 1 and 2 locations within 18" of enclosures containing apparatus that may cause arcs, sparks or high temperatures.
- Required in Class I, Division 1 and 2 locations where 2" or larger conduit enters enclosure, fitting housing terminals, splices or taps.
- Required in Class I, Division 1 and 2 locations at the boundary where conduit leaves classified location.
- Required in Class I, Division 1 and 2 locations where two or more enclosures are connected by 36" or less conduit. Seal must be located within 18" of either enclosure.
- Required where cables (which exceed rate of gas or vapor transmission permitted for seals) are used in Class I, Division 2 locations.

Features

- Explosionproof, dust-ignitionproof, raintight.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYS—for sealing vertical conduit. Large opening for damming and filling.
- Expanded fill EYSEF/EYDEF— allow up to 40% conduit fill in compliance with the National Electrical Code.
- EYSF/EYSM—for sealing vertical conduit. Large opening for damming and filling.
- ESUF/ESUM for sealing vertical or horizontal conduit. Pouring spout rotates 90°. Removable cover provides full access for

Illustrated Features

Sealing fittings prevent passage of gases, vapors or flames from one portion of a conduit system to another. They also restrict large amounts of ignitable gases or vapors from accumulating to confine explosive pressure.



damming 1/2" thru 1" sizes have threaded cover openings for damming.

- EYF/EYM—close radius type for sealing vertical or horizontal conduit runs.
- EYDM Drain Sealing Fittings—close radius type for sealing vertical conduit runs. Access cover has drain valve for automatic draining of water accumulation above the seal.
- UL Listed for use with Kwiko® A Sealing Compound. Also listed with certain competitors sealing cement, contact factory for details.

Standard Materials

- EYSF/EYSM, EYF/EYM and EYDM seals: malleable iron or Almag 35 aluminum
- EYS, EYSEF/EYDEF, and ESUF/ESUM seals: malleable iron
- EYD and EYS seals: Grayloy®-iron

Standard Finishes

- Malleable iron and Grayloy®-iron products have triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat,
- Almag 35 aluminum products have epoxy powder coat

Options

- PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

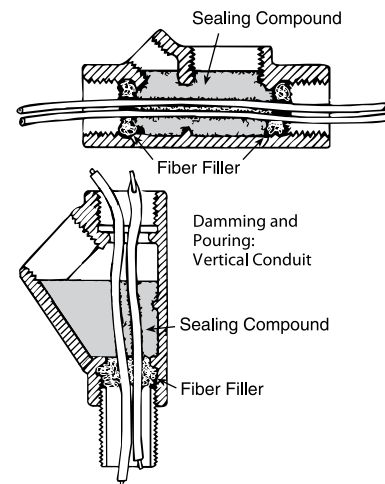
NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- NEC Articles 500-503 and 505
- Mil. Spec: Mil-F-28675

Related Products

- Kwiko® A sealing cement and fiber filler

Appleton sealing fittings are suitable for Class I and II locations. EYS, EYSF and EYD are for sealing vertical conduit. EY and ESU are for sealing vertical and horizontal conduit. EYDM and EYD also have drain valves.



EY 25% * Fill Vertical and Horizontal Conduit Sealing Fittings for Close Turning Radius

Explosionproof, Dust-Ignitionproof, Raintight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

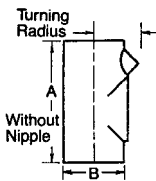
NEC/CEC:

Class I, Division 1 and 2 Groups A ◊, B ◆, C, D

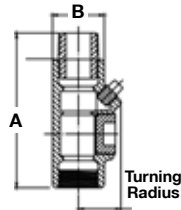
Class II, Division 1 and 2 Groups E, F, G

Class III

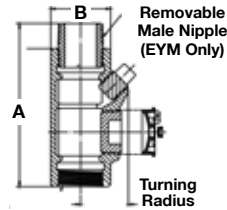
| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number | |
|--|------------------------|----------------------|--------------|----------------|---|----------------|-------------------|
| | | A (Length) | B (Width) | Turning Radius | | Malleable Iron | Almag 35 Aluminum |
| Female | | | | | | | |
| | 1/2 | 88.9 (3.50) | 30.2 (1.19) | 26.9 (1.06) | 28.4 (1.00) | EYA-50 ◊ | EYA-50A ◊ |
| | 3/4 | 88.9 (3.50) | 35.0 (1.38) | 30.2 (1.19) | 56.7 (2.00) | EYA-75 ◊ | EYA-75A ◊ |
| | 1 | 107.9 (4.25) | 44.4 (1.75) | 35.0 (1.38) | 113.4 (4.00) | EYA-100 ◊ | EYA-100A ◊ |
| | 1-1/4 | 125.4 (4.94) | 50.8 (2.00) | 44.4 (1.75) | 198.4 (7.00) | EYA-125 ◆ | EYA-125A |
| | 1-1/2 | 139.7 (5.50) | 60.4 (2.38) | 52.3 (2.06) | 368.5 (13.00) | EYA-150 ◆ | EYA-150A |
| | 2 | 155.7 (6.13) | 73.1 (2.88) | 58.6 (2.31) | 623.7 (22.00) | EYA-200 ◆ | EYA-200A |
| | 2-1/2 | 190.5 (7.50) | 85.8 (3.38) | 68.3 (2.69) | 1020.6 (36.00) | EYA-250 ◆ | EYA-250A |
| | 3 | 206.5 (8.13) | 104.9 (4.13) | 79.5 (3.13) | 1729.3 (61.00) | EYA-300 ◆ | EYA-300A |
| | 3-1/2 | 227.0 (8.94) | 120.6 (4.75) | 87.3 (3.44) | 2523.1 (89.00) | EYA-350 ◆ | EYA-350A |
| | 4 | 238.2 (9.38) | 130.3 (5.13) | 93.7 (3.69) | 3231.8 (114.00) | EYA-400 ◆ | EYA-400A |
| | 5 | 274.5 (10.81) | 158.7 (6.25) | 119.1 (4.69) | 5726.6 (202.00) | EYA-500 ① | — |
| | 6 | 299.9 (11.81) | 185.6 (7.31) | 136.6 (5.38) | 6520.4 (230.00) | EYA-600 ① | — |
| Male/Female (Removable Male Nipple) | | | | | | | |
| | 1/2 | 119.9 (4.72) | 30.2 (1.19) | 26.9 (1.06) | 28.4 (1.00) | EYAM-50 ◊ | EYAM-50A ◊ |
| | 3/4 | 119.6 (4.71) | 35.0 (1.38) | 30.2 (1.19) | 56.7 (2.00) | EYAM-75 ◊ | EYAM-75A ◊ |
| | 1 | 137.7 (5.42) | 44.4 (1.75) | 35.0 (1.38) | 113.4 (4.00) | EYAM-100 ◊ | EYAM-100A ◊ |
| | 1-1/4 | 160.3 (6.31) | 50.8 (2.00) | 44.4 (1.75) | 198.4 (7.00) | EYAM-125 ◆ | EYAM-125A |
| | 1-1/2 | 177.3 (6.98) | 60.4 (2.38) | 52.3 (2.06) | 368.5 (13.00) | EYAM-150 ◆ | EYAM-150A |
| | 2 | 195.3 (7.69) | 73.1 (2.88) | 58.6 (2.31) | 623.7 (22.00) | EYAM-200 ◆ | EYAM-200A |
| | 2-1/2 | 236.2 (9.30) | 85.8 (3.38) | 68.3 (2.69) | 1020.6 (36.00) | EYAM-250 ◆ | EYAM-250A |
| | 3 | 263.4 (10.37) | 104.9 (4.13) | 79.5 (3.13) | 1729.3 (61.00) | EYAM-300 ◆ | EYAM-300A |
| | 3-1/2 | 282.7 (11.13) | 120.6 (4.75) | 87.3 (3.44) | 2523.1 (89.00) | EYAM-350 ◆ | EYAM-350A |
| | 4 | 299.0 (11.77) | 130.3 (5.13) | 93.7 (3.69) | 3231.8 (114.00) | EYAM-400 ◆ | EYAM-400A |
| | 5 | 329.4 (12.97) | 158.7 (6.25) | 119.1 (4.69) | 5726.6 (202.00) | EYAM-500 ① | — |
| | 6 | 358.6 (14.12) | 185.6 (7.31) | 136.6 (5.38) | 6520.4 (230.00) | EYAM-600 ① | — |



EYA 1/2" - 6"



EYAM 1/2" - 1"



EYAM 1-1/4" - 6"

* Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.

① Not UL Listed. CSA Certified only.

◊ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

◆ Indicated items in the shaded area which are UL Listed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.




EY 40% Fill Expanded Fill Sealing Fittings for Close Turning Radius

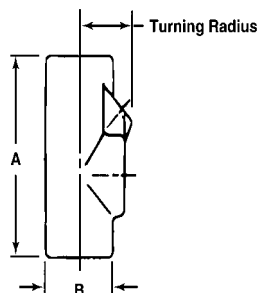
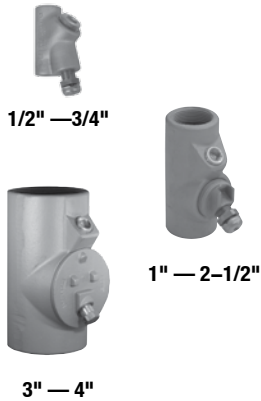
Explosionproof, Dust-Ignitionproof, Raintight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:

Class I, Division 1 and 2 Groups A ◇, B ◆, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

| | Trade Size (Inches) | Millimeters (Inches) | | Turning Radius ① | Kwiko® A Cement Required Grams (Ounces) | Catalog Number ② | | | | |
|---|---------------------|----------------------|--------------|------------------|---|------------------|----------------|----------|----------|-----------|
| | | A (Length) | B (Width) | | | | Malleable Iron | | | |
| EYSEF Female 1/2"-4" Vertical and Horizontal Conduit Seals for Close Turning Radius | | | | | | | | | | |
|  1/2" — 3/4" | 1/2 | 93.7 (3.69) | 38.1 (1.50) | 31.7 (1.25) | 56.8 (2.00) | EYAX-50 | EYAX-75 | | | |
| | 3/4 | 109.4 (4.31) | 44.4 (1.75) | 35.0 (1.38) | 113.5 (4.00) | | | | | |
| | 1 | 128.5 (5.06) | 55.6 (2.19) | 44.4 (1.75) | 198.6 (7.00) | | | | | |
| | 1-1/4 | 139.7 (5.50) | 61.9 (2.44) | 52.3 (2.06) | 368.9 (13.00) | | | | | |
|  1" — 2-1/2" | 1-1/2 | 158.7 (6.25) | 76.2 (3.00) | 58.6 (2.31) | 624.3 (22.00) | EYAX-125 | EYAX-150 | | | |
| | 2 | 190.5 (7.50) | 88.9 (3.50) | 66.8 (2.63) | 1,021.5 (36.00) | | | | | |
| | 2-1/2 | 215.9 (8.50) | 107.9 (4.25) | 76.2 (3.00) | 1,730.9 (61.00) | | | | | |
| | 3 | 233.4 (9.19) | 120.6 (4.75) | 84.0 (3.31) | 2,525.4 (89.00) | | | | | |
|  3" — 4" | 3-1/2 | 247.6 (9.75) | 133.3 (5.25) | 91.1 (3.59) | 3,234.8 (114.00) | EYAX-200 | EYAX-250 | | | |
| | 4 | 280.9 (11.06) | 165.1 (6.50) | 107.1 (4.22) | 5,726.6 (202.00) | | | | | |
| | | | | | | | | EYAX-300 | EYAX-350 | |
| | | | | | | | | | | EYAX-400* |



① Turning radius with cover or plug removed.

② PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

◆ Indicated items in the shaded area which are UL Listed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.







EYD 25% * Fill Vertical Conduit Drain Sealing Fittings for Close Turning Radius

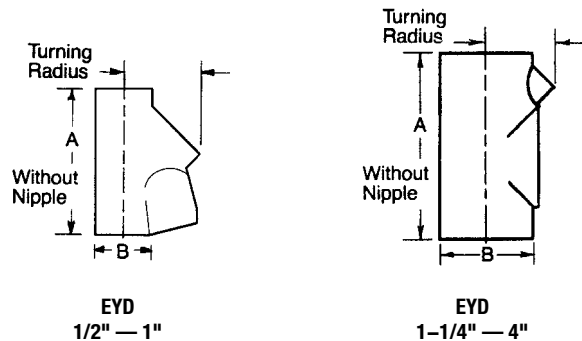
Explosionproof, Dust-Ignitionproof, Raintight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:

Class I, Division 1 and 2 Groups C, D
Class II, Division 1 and 2 Groups E, F, G
Class III

| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number Ductile/Malleable Iron |
|---|------------------------|----------------------|--------------|------------------|---|---|
| | | A (Length) | B (Width) | Turning Radius ① | | |
| EYD Vertical Conduit Drain Seals for Close Turning Radius (25% fill) | | | | | | |
| Female | | | | | | |
|  | 1/2 | 83.3 (3.28) | 38.1 (1.50) | 26.9 (1.06) | 28.0 (1.00) | EYD-50 |
| | 3/4 | 93.7 (3.69) | 44.4 (1.75) | 30.2 (1.19) | 57.0 (2.00) | EYD-75 |
| 1/2" — 1" | 1 | 109.4 (4.31) | 55.6 (2.19) | 35.0 (1.38) | 113.0 (4.00) | EYD-100 |
|  | 1-1/4 | 128.5 (5.06) | 55.6 (2.19) | 44.4 (1.75) | 255.0 (9.00) | EYD-125 |
| | 1-1/2 | 139.7 (5.50) | 61.9 (2.44) | 52.3 (2.06) | 340.0 (12.00) | EYD-150 |
|  | 2 | 158.7 (6.25) | 76.2 (3.00) | 58.9 (2.31) | 595.0 (21.00) | EYD-200 |
| | 2-1/2 | 190.5 (7.50) | 88.9 (3.50) | 68.8 (2.69) | 1049.0 (37.00) | EYD-250 |
| 1-1/4" — 3" | 3 | 215.9 (8.50) | 107.9 (4.25) | 79.5 (3.13) | 1729.0 (61.00) | EYD-300 |
| | 3-1/2 | 233.4 (9.19) | 120.6 (4.75) | 87.3 (3.44) | 2268.0 (80.00) | EYD-350 |
| 3-1/2" — 4" | 4 | 247.6 (9.75) | 13.33 (5.25) | 93.7 (3.69) | 3175.0 (112.00) | EYD-400 |
| Male/Female (Removable Male Nipple) | | | | | | |
|  | 1/2 | 83.3 (3.28) | 38.1 (1.50) | 26.9 (1.06) | 28.0 (1.00) | EYDM-50 |
| | 3/4 | 93.7 (3.69) | 44.4 (1.75) | 30.2 (1.19) | 57.0 (2.00) | EYDM-75 |
| 1/2" — 1" | 1 | 109.4 (4.31) | 55.6 (2.19) | 35.0 (1.38) | 113.0 (4.00) | EYDM-100 |
|  | 1-1/4 | 128.5 (5.06) | 55.6 (2.19) | 44.4 (1.75) | 255.0 (9.00) | EYDM-125 |
| | 1-1/2 | 139.7 (5.50) | 61.9 (2.44) | 52.3 (2.06) | 340.0 (12.00) | EYDM-150 |
|  | 2 | 158.7 (6.25) | 76.2 (3.00) | 58.9 (2.31) | 595.0 (21.00) | EYDM-200 |
| | 2-1/2 | 190.5 (7.50) | 88.9 (3.50) | 68.8 (2.69) | 1049.0 (37.00) | EYDM-250 |
| 1-1/4" — 3" | 3 | 215.9 (8.50) | 107.9 (4.25) | 79.5 (3.13) | 1729.0 (61.00) | EYDM-300 |
| | 3-1/2 | 233.4 (9.19) | 120.6 (4.75) | 87.3 (3.44) | 2268.0 (80.00) | EYDM-350 |
| 3-1/2" — 4" | 4 | 247.6 (9.75) | 13.33 (5.25) | 93.7 (3.69) | 3175.0 (112.00) | EYDM-400 |



* Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.




① Turning radius with cover or plug removed.

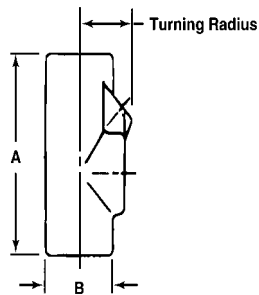
EY 40% Fill Expanded Fill Sealing Fittings for Close Turning Radius

Explosionproof, Dust-Ignitionproof, Raintight

NEC/CEC:

Class I, Division 1 and 2 Groups A \diamond , B \blacklozenge , C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number Ductile/Malleable Iron |
|---|------------------------|----------------------|-----------|------------------|---|---|
| | | A (Length) | B (Width) | Turning Radius ① | | |
| EYDEF Female 1/2"-4" Vertical Drain Seals for Close Turning Radius | | | | | | |
|  | 1/2 | 3-11/16 | 1-1/4 | 1-1/2 | 114 (4.00) | EYDX-50 |
| | 3/4 | 4-5/16 | 1-3/8 | 1-3/4 | 170 (6.00) | EYDX-75 |
| 1/2" — 3/4" | 1 | 5-1/16 | 1-3/4 | 2-3/16 | 198 (7.00) | EYDX-100 |
|  | 1-1/4 | 5-1/2 | 2-1/16 | 2-7/16 | 369 (13.00) | EYDX-125 |
| | 1-1/2 | 6-1/4 | 2-5/16 | 3 | 624 (22.00) | EYDX-150 |
|  | 2 | 7-1/2 | 2-5/8 | 3-1/2 | 1021 (36.00) | EYDX-200 |
| | 2-1/2 | 8-1/2 | 3 | 4-1/4 | 1729 (61.00) | EYDX-250 |
| 1" — 2-1/2" | 3 | 9-3/16 | 3-5/16 | 4-3/4 | 2523 (89.00) | EYDX-300 |
| 4" | | | | | | |



* Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.

① Turning radius with cover or plug removed.

EYS 25% * Fill Vertical Sealing Fittings for Close Turning Radius

Explosionproof, Dust-Ignitionproof, Raintight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

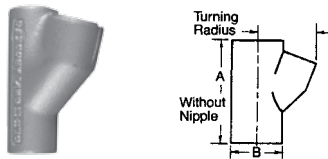
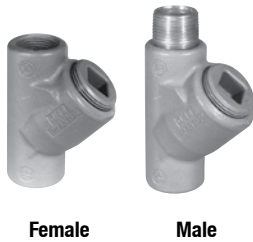
NEC/CEC:

Class I, Division 1 and 2 Groups A ◇, B, C, D

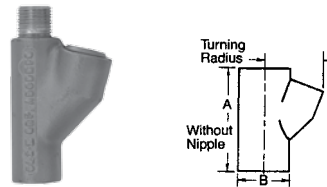
Class II, Division 1 and 2 Groups E, F, G

Class III

| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number Grayloy™-Iron |
|--|--|----------------------|-----------|------------------|---|------------------------------|
| | | A (Length) | B (Width) | Turning Radius ① | | |
| EY Vertical Sealing Fittings (25% fill) | | | | | | |
| | Female | | | | | |
| | 1/2 | 3-1/4 | 1-3/16 | 1-1/8 | 2 | EY-50 |
| | 3/4 | 3-5/8 | 1-1/4 | 2-3/8 | 3 | EY-75 |
| | 1 | 4-1/4 | 1-3/8 | 2-3/4 | 5 | EY-100 |
| | 1-1/4 | 5-1/16 | 2-15/16 | 2 | 11 | EY-125 |
| | 1-1/2 | 5-1/2 | 2-1/2 | 3-1/2 | 19 | EY-150 |
| | 2 | 6-1/4 | 2-1/8 | 3-15/16 | 31 | EY-200 |
| | Male/Female (Removable Male Nipple) | | | | | |
| | 1/2 | 4-15/16 | 1-3/16 | 1-1/8 | 2 | EYM-50 |
| | 3/4 | 5-19/64 | 2-1/4 | 1-3/8 | 3 | EYM-75 |
| | 1 | 6-1/32 | 2-3/8 | 1-3/4 | 5 | EYM-100 |
| | 1-1/4 | 5-13/16 | 2 | 2-5/8 | 6 | EYM-125 |
| | 1-1/2 | 6-1/4 | 2-1/4 | 3 | 9 | EYM-150 |
| | 2 | 7 | 2-3/4 | 3-5/8 | 15 | EYM-200 |



Type EY



Type EYM

* Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.

① Turning radius with cover or plug removed.

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

Vertical/Horizontal Sealing Fittings

Threaded For Rigid Conduit and IMC.

NEC/CEC:

Class I, Division 1, 2, Groups C, D
Class I, Zone 1, 2, Groups IIA, IIB
Class II, Division 1, 2, Groups E, F, G
Class III

Applications

- To seal conduits in vertical or horizontal runs.
- To minimize the passage of gases and vapors and prevent the passage of flames from one portion of the electrical system to another through the conduit.

Features

- Female/Female
- Tapered threads (NPT)
- 25% conductor fill
- Sealing Compound and Fiber

Standard Materials

- ALM 635

Standard Finishes

- Epoxy powder coat

Options

- Malleable iron.

NEC/GEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 042843/LR42843
- NEC Articles 500-503 and 505



Type EYA-A – Aluminum



Type EY-A
Female/Female

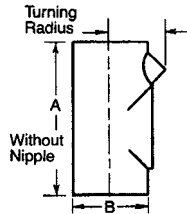
Vertical/Horizontal Sealing Fittings

Threaded For Rigid Conduit and IMC.

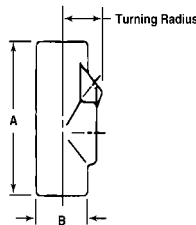
NEC/CEC:

Class I, Division 1, 2, Groups C, D
 Class I, Zone 1, 2, Groups IIA, IIB
 Class II, Division 1, 2, Groups E, F, G
 Class III

| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number Almag 35 Aluminum |
|----------------------------|------------------------|----------------------|--------------|----------------|---|-------------------------------------|
| | | A (Length) | B (Width) | Turning Radius | | |
| Type EYA-A Aluminum | | | | | | |
| | 1/2 | 88.9 (3.50) | 30.2 (1.19) | 26.9 (1.06) | 28.4 (1.00) | EYA-50A ① |
| | 3/4 | 88.9 (3.50) | 35.0 (1.38) | 30.2 (1.19) | 56.7 (2.00) | EYA-75A ① |
| | 1 | 107.9 (4.25) | 44.4 (1.75) | 35.0 (1.38) | 113.4 (4.00) | EYA-100A ① |
| | 1-1/4 | 125.4 (4.94) | 50.8 (2.00) | 44.4 (1.75) | 198.4 (7.00) | EYA-125A |
| | 1-1/2 | 139.7 (5.50) | 60.4 (2.38) | 52.3 (2.06) | 368.5 (13.00) | EYA-150A |
| | 2 | 155.7 (6.13) | 73.1 (2.88) | 58.6 (2.31) | 623.7 (22.00) | EYA-200A |
| | 2-1/2 | 190.5 (7.50) | 85.8 (3.38) | 68.3 (2.69) | 1020.6 (36.00) | EYA-250A |
| | 3 | 206.5 (8.13) | 104.9 (4.13) | 79.5 (3.13) | 1729.3 (61.00) | EYA-300A |
| | 3-1/2 | 227.0 (8.94) | 120.6 (4.75) | 87.3 (3.44) | 2523.1 (89.00) | EYA-350A |
| | 4 | 238.2 (9.38) | 130.3 (5.13) | 93.7 (3.69) | 3231.8 (114.00) | EYA-400A |



| | Trade Size (Inches) | Millimeters (Inches) | | | Kwiko® A Cement Required Grams (Ounces) | Catalog Number |
|--------------------------------|------------------------|----------------------|-------------|----------------|---|----------------|
| | | A (Length) | B (Width) | Turning Radius | | |
| Type EY-A Female/Female | | | | | | |
| | 1/2 | 82.5 (3.25) | 28.7 (1.13) | 45.9 (1.81) | 56.7 (2.00) | EY-50A |
| | 3/4 | 92.2 (3.63) | 35.0 (1.38) | 57.1 (2.25) | 85.1 (3.00) | EY-75A |
| | 1 | 107.9 (4.25) | 44.5 (1.75) | 60.4 (2.38) | 141.7 (5.00) | EY-100A |



* Per NEC 501.15(C)(6), seals in Class I, Division 1 and 2 must be limited to conductor fill of 25% of cross sectional area of a rigid metal conduit of the same trade size unless approved for higher percentage fill. See 40% fill sealing fittings.

① Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

Kwiko® A Sealing Cement and Filler

For use in Sealing Fittings and Sealing Hubs

See specific sealing fitting and sealing hubs for quantities required.

Applications

- Fiber filler-makes dams around and between all conductors to prevent sealing compound from leaking while being poured in its liquid state.

Features

- Kwiko® A sealing cement is a specially formulated water soluble powder. Mixed to the proper proportions, it is poured in sealing fittings and hardens to contain and restrict the passage of gases and explosions in classified areas.

Options

- For larger quantities of Twin Pack® Sealing Cement, contact your local sales representative.



AC5A



F02



ACK12F-A

Kwiko® A Sealing Cement and Filler

For use in Sealing Fittings

See listing pages for quantities required.

| | Weight Grams (Ounces) | Volume When Set dm ³ (in ³) | Catalog Number |
|--|--------------------------|---|-------------------|
|--|--------------------------|---|-------------------|

Kwiko® A Sealing Cement Mixing Ratio: 2 parts cement to 1 part water



| | | | |
|--|----------------|---------------|-------|
| | 453.6 (16.00) | 0.38 (23.00) | AC1-A |
| | 2268.0 (80.00) | 1.89 (115.00) | AC5-A |

Kwiko® A TwinPak® Sealing Cements



Each plastic pouch contains pre-measured Kwiko® A cement and pre-measured water (in an inner bag). Squeeze pouch to break inner water bag and knead mixture thoroughly, then pour. Kwiko® A TwinPak® also includes adequate amount of fiber filler packed separately.

| | | | |
|--------|----------------|----------------|------------|
| Cement | 460.1 (16.25) | 635.0 (25.00) | ACK6F-A ① |
| Fiber | 28.4 (1.00) | | |
| Cement | 1027.7 (36.25) | 1397.0 (55.00) | ACK12F-A ② |
| Fiber | 56.7 (2.00) | | |

Fiber Filler



Filler is used to make dams to prevent cement from leaking while in fluid state.

| | | | |
|--|---------------|---|------|
| | 10.8 (0.38) | — | F038 |
| | 21.3 (0.75) | — | F075 |
| | 28.4 (1.00) | — | F01 |
| | 56.7 (2.00) | — | F02 |
| | 113.4 (4.00) | — | F04 |
| | 226.8 (8.00) | — | F08 |
| | 453.6 (16.00) | — | F1 |

Kwiko® A Sealing Cement and Fiber Filler Kits



| | | | |
|--------|---------------|---------------|----------|
| Cement | 453.6 (16.00) | 377.0 (23.00) | AC1F01-A |
| Fiber | 28.4 (1.00) | | |

Approximate amount of fiber filler required per hub — For 25% fill ③

| Hub Size (Inches) | Weight Grams (Ounces) | Hub Size (Inches) | Weight Grams (Ounces) | Hub Size (Inches) | Weight Grams (Ounces) |
|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|
| 1/2 | 0.9 (0.03) | 1-1/2 | 14.2 (0.50) | 3-1/2 | 85.1 (3.00) |
| 3/4 | 1.7 (0.06) | 2 | 28.4 (1.00) | 4 | 127.6 (4.50) |
| 1 | 3.7 (0.13) | 2-1/2 | 42.5 (1.50) | 5 | 198.5 (7.00) |
| 1-1/4 | 7.1 (0.25) | 3 | 56.9 (2.00) | 6 | 284.1 (10.00) |

① Product No. ACK6F-A includes five 3-1/4-ounce cement pouches.

② Product No. ACK12F-A includes five 7-1/4-ounce cement pouches.

③ For 40% expanded fill seal fittings, double the amount of fiber filler shown.

ECGJH and ECLK Flexible Couplings

Explosionproof, Dust-Ignitionproof

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC — 1/2" and 3/4" Sizes:
Class I, Division 1, 2, Groups A, B, C, D
Class I, Zone 1, 2, Groups IIA, IIB, IIC
Class II, Division 1, 2, Groups E, F, G
Class III

NEC/CEC — 1" Size:
Class I, Division 1, 2, Groups C, D
Class I, Zone 1, 2, Groups IIA, IIB
Class II, Division 1, 2, Groups E, F, G
Class III

NEC/CEC — 1-1/4" thru 4" Sizes:
Class I, Division 1, 2, Group D
Class I, Zone 1, 2, Group IIA
Class II, Division 1, 2, Groups E, F, G
Class III

Applications

- Used in areas where vibration and/or movement is a problem. Also used in place of rigid conduit in difficult-bend situations.

Features

- Explosionproof, dust-ignitionproof, watertight
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Heavy duty design resists mechanical abuse.
- Electrical conductivity equal to rigid conduit on a similar length basis—no bonding jumper required.
- Interior insulating liner protects conductors from abrasion under vibrating conditions.
- ECGJH: both end fittings are female, each furnished with a removable male nipple.
- ECLK: female end fitting with union at one end and a female end fitting with a removable male nipple at the other end.

Standard Materials

- Flexible coupling is constructed from brass tubing and bronze outer braid, with insulating liner
- 1/2" - 1" trade size
Bronze end fittings with zinc plated steel UNF female union on one end and steel close nipple on the other
- 1-1/4" - 2" trade size
Bronze end fittings with malleable iron UNF female union on one end and steel close nipple on other end
- Unions: 1/2" thru 1" zinc plated steel; 1-1/4" thru 2" ductile iron

Standard Finishes

- Natural finish

Options

- 1/2" through 2" available in stainless steel. Add suffix **-SS**. ECLK Union is zinc plated steel. Stainless steel union available in 1/2" through 1". Add suffix **-SU**.
- 1/2" through 1" stainless steel nipple. Add suffix **-NS**
- Custom lengths available—consult factory

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- NEC Articles 500-503 and 505
- Suitable for wet locations
UL Listing and CSA Certification not applicable over 2" Trade Size.



ECGJH

Suitable for Wet Locations – Two Removal Male Nipples



ECLK

One Removal Male Nipple, One Removable Union

ECGJH and ECLK Flexible Couplings

Explosionproof, Dust-Ignitionproof

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC — 1/2" and 3/4" Sizes:
Class I, Division 1, 2, Groups A, B, C, D
Class I, Zone 1, 2, Groups IIA, IIB, IIC
Class II, Division 1, 2, Groups E, F, G
Class III

NEC/CEC — 1" Size:
Class I, Division 1, 2, Groups C, D
Class I, Zone 1, 2, Groups IIA, IIB
Class II, Division 1, 2, Groups E, F, G
Class III

NEC/CEC — 1-1/4" thru 4" Sizes:
Class I, Division 1, 2, Group D
Class I, Zone 1, 2, Group IIA
Class II, Division 1, 2, Groups E, F, G
Class III

| Size (Inches) | | Catalog Number | |
|---------------|---------------|----------------|--------------|
| Flex Length | Diameter Size | ECGJH | ECLK |
| 4 | 1/2 | ECGJH-50-4 ◊ | ECLK-50-4 ◊ |
| 4 | 3/4 | ECGJH-75-4 ◊ | ECLK-75-4 ◊ |
| 6 | 1/2 | ECGJH-50-6 ◊ | ECLK-50-6 ◊ |
| 6 | 3/4 | ECGJH-75-6 ◊ | ECLK-75-6 ◊ |
| 6 | 1 | ECGJH-100-6 | ECLK-100-6 |
| 8 | 1/2 | ECGJH-50-8 ◊ | ECLK-50-8 ◊ |
| 8 | 3/4 | ECGJH-75-8 ◊ | ECLK-75-8 ◊ |
| 8 | 1 | ECGJH-100-8 | ECLK-100-8 |
| 10 | 1/2 | ECGJH-50-10 ◊ | ECLK-50-10 ◊ |
| 10 | 3/4 | ECGJH-75-10 ◊ | ECLK-75-10 ◊ |
| 10 | 1 | ECGJH-100-10 | ECLK-100-10 |
| 12 | 1/2 | ECGJH-50-12 ◊ | ECLK-50-12 ◊ |
| 12 | 3/4 | ECGJH-75-12 ◊ | ECLK-75-12 ◊ |
| 12 | 1 | ECGJH-100-12 | ECLK-100-12 |
| 12 | 1-1/4 | ECGJH-125-12 | ECLK-125-12 |
| 12 | 1-1/2 | ECGJH-150-12 | ECLK-150-12 |
| 12 | 2 | ECGJH-200-12 | ECLK-200-12 |
| 12 | 2-1/2 | ECGJH-250-12 | |
| 12 | 3 | ECGJH-300-12 | |
| 12 | 4 | ECGJH-400-12 | |
| 15 | 1/2 | ECGJH-50-15 ◊ | ECLK-50-15 ◊ |
| 15 | 3/4 | ECGJH-75-15 ◊ | ECLK-75-15 ◊ |
| 15 | 1 | ECGJH-100-15 | ECLK-100-15 |
| 15 | 1-1/4 | ECGJH-125-15 | ECLK-125-15 |
| 15 | 1-1/2 | ECGJH-150-15 | ECLK-150-15 |
| 15 | 2 | ECGJH-200-15 | ECLK-200-15 |
| 15 | 2-1/2 | ECGJH-250-15 | |
| 15 | 3 | ECGJH-300-15 | |
| 15 | 4 | ECGJH-400-15 | |
| 18 | 1/2 | ECGJH-50-18 ◊ | ECLK-50-18 ◊ |
| 18 | 3/4 | ECGJH-75-18 ◊ | ECLK-75-18 ◊ |
| 18 | 1 | ECGJH-100-18 | ECLK-100-18 |
| 18 | 1-1/4 | ECGJH-125-18 | ECLK-125-18 |
| 18 | 1-1/2 | ECGJH-150-18 | ECLK-150-18 |
| 18 | 2 | ECGJH-200-18 | ECLK-200-18 |
| 18 | 2-1/2 | ECGJH-250-18 | |
| 18 | 3 | ECGJH-300-18 | |
| 18 | 4 | ECGJH-400-18 | |
| 21 | 1/2 | ECGJH-50-21 ◊ | ECLK-50-21 ◊ |
| 21 | 3/4 | ECGJH-75-21 ◊ | ECLK-75-21 ◊ |
| 21 | 1 | ECGJH-100-21 | ECLK-100-21 |
| 21 | 1-1/4 | ECGJH-125-21 | ECLK-125-21 |
| 21 | 1-1/2 | ECGJH-150-21 | ECLK-150-21 |
| 21 | 2 | ECGJH-200-21 | ECLK-200-21 |
| 21 | 2-1/2 | ECGJH-250-21 | |
| 21 | 3 | ECGJH-300-21 | |
| 21 | 4 | ECGJH-400-21 | |

| Size (Inches) | | Catalog Number | |
|---------------|---------------|----------------|--------------|
| Flex Length | Diameter Size | ECGJH | ECLK |
| 24 | 1/2 | ECGJH-50-24 ◊ | ECLK-50-24 ◊ |
| 24 | 3/4 | ECGJH-75-24 ◊ | ECLK-75-24 ◊ |
| 24 | 1 | ECGJH-100-24 | ECLK-100-24 |
| 24 | 1-1/4 | ECGJH-125-24 | ECLK-125-24 |
| 24 | 1-1/2 | ECGJH-150-24 | ECLK-150-24 |
| 24 | 2 | ECGJH-200-24 | ECLK-200-24 |
| 24 | 2-1/2 | ECGJH-250-24 | — |
| 24 | 3 | ECGJH-300-24 | — |
| 24 | 4 | ECGJH-400-24 | — |
| 27 | 1/2 | ECGJH-50-27 ◊ | ECLK-50-27 ◊ |
| 27 | 3/4 | ECGJH-75-27 ◊ | ECLK-75-27 ◊ |
| 27 | 1 | ECGJH-100-27 | ECLK-100-27 |
| 27 | 1-1/4 | ECGJH-125-27 | ECLK-125-27 |
| 27 | 1-1/2 | ECGJH-150-27 | ECLK-150-27 |
| 27 | 2 | ECGJH-200-27 | ECLK-200-27 |
| 27 | 2-1/2 | ECGJH-250-27 | |
| 27 | 3 | ECGJH-300-27 | |
| 27 | 4 | ECGJH-400-27 | |
| 30 | 1/2 | ECGJH-50-30 ◊ | ECLK-50-30 ◊ |
| 30 | 3/4 | ECGJH-75-30 ◊ | ECLK-75-30 ◊ |
| 30 | 1 | ECGJH-100-30 | ECLK-100-30 |
| 30 | 1-1/4 | ECGJH-125-30 | ECLK-125-30 |
| 30 | 1-1/2 | ECGJH-150-30 | ECLK-150-30 |
| 30 | 2 | ECGJH-200-30 | ECLK-200-30 |
| 30 | 2-1/2 | ECGJH-250-30 | |
| 30 | 3 | ECGJH-300-30 | |
| 30 | 4 | ECGJH-400-30 | |
| 33 | 1/2 | ECGJH-50-33 ◊ | ECLK-50-33 ◊ |
| 33 | 3/4 | ECGJH-75-33 ◊ | ECLK-75-33 ◊ |
| 33 | 1 | ECGJH-100-33 | ECLK-100-33 |
| 33 | 1-1/4 | ECGJH-125-33 | ECLK-125-33 |
| 33 | 1-1/2 | ECGJH-150-33 | ECLK-150-33 |
| 33 | 2 | ECGJH-200-33 | ECLK-200-33 |
| 33 | 2-1/2 | ECGJH-250-33 | |
| 33 | 3 | ECGJH-300-33 | |
| 33 | 4 | ECGJH-400-33 | |
| 36 | 1/2 | ECGJH-50-36 ◊ | ECLK-50-36 ◊ |
| 36 | 3/4 | ECGJH-75-36 ◊ | ECLK-75-36 ◊ |
| 36 | 1 | ECGJH-100-36 | ECLK-100-36 |
| 36 | 1-1/4 | ECGJH-125-36 | ECLK-125-36 |
| 36 | 1-1/2 | ECGJH-150-36 | ECLK-150-36 |
| 36 | 2 | ECGJH-200-36 | ECLK-200-36 |
| 36 | 2-1/2 | ECGJH-250-36 | |
| 36 | 3 | ECGJH-300-36 | |
| 36 | 4 | ECGJH-400-36 | |

NOTE: Unions are not available in stainless steel.

◊ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III.

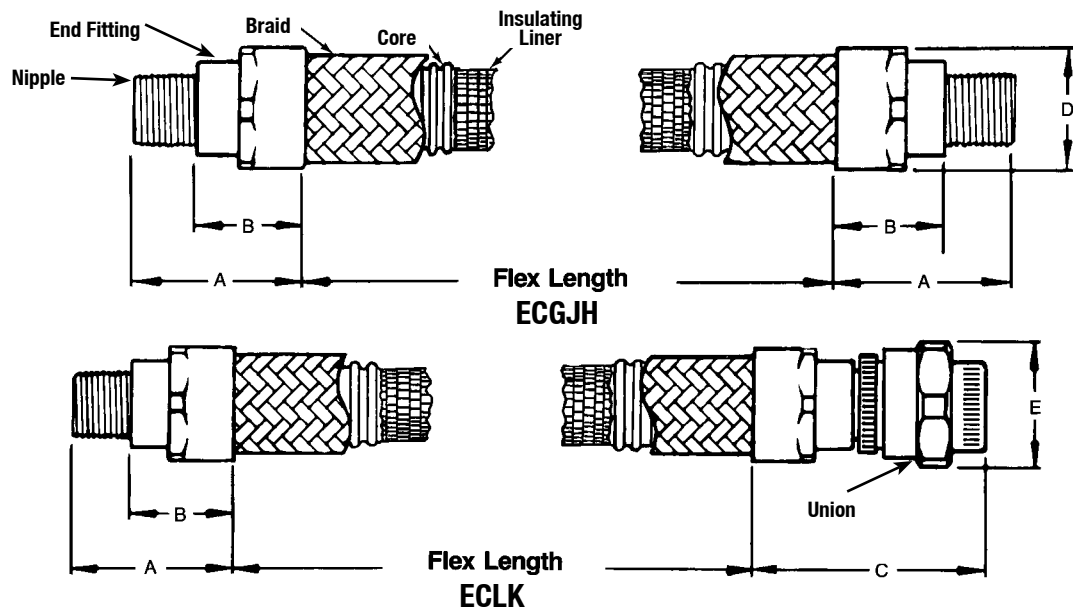
ECGJH and ECLK Flexible Couplings Dimensions

Explosionproof, Dust-Ignitionproof, Watertight

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

ECGJH and ECLK Dimensions in Millimeters (Inches)

| Coupling Size (Inches) | A | B | C | D | E | Bending Radius ① |
|------------------------|--------------|-------------|--------------|--------------|--------------|------------------|
| 1/2 | 52.4 (2.06) | 34.9 (1.38) | 76.2 (3.00) | 35.7 (1.41) | 37.3 (1.47) | 254.0 (10.00) |
| 3/4 | 57.2 (2.25) | 34.9 (1.38) | 82.6 (3.25) | 44.5 (1.75) | 44.5 (1.75) | 304.8 (12.00) |
| 1 | 68.3 (1.69) | 44.5 (1.75) | 92.1 (3.63) | 52.4 (2.06) | 50.8 (2.00) | 355.6 (14.00) |
| 1-1/4 | 76.2 (3.00) | 51.6 (2.03) | 111.1 (4.38) | 66.7 (2.63) | 71.4 (2.81) | 406.4 (16.00) |
| 1-1/2 | 85.7 (3.38) | 55.6 (2.19) | 115.9 (4.56) | 79.4 (3.13) | 77.8 (3.06) | 406.4 (16.00) |
| 2 | 100.0 (3.94) | 61.9 (2.44) | 125.4 (4.94) | 98.4 (3.88) | 94.5 (3.72) | 457.2 (18.00) |
| 2-1/2 | 101.6 (4.00) | 66.7 (2.63) | 158.8 (6.25) | 114.3 (4.50) | 123.8 (4.88) | 381.0 (15.00) |
| 3 | 102.4 (4.03) | 66.7 (2.63) | 158.8 (6.25) | 127.8 (5.03) | 136.5 (5.38) | 584.2 (23.00) |
| 4 | 104.0 (4.09) | 66.7 (2.63) | 161.9 (6.38) | 168.3 (6.63) | 163.5 (6.44) | 1219.2 (48.00) |



① Bending Radius shown is minimum recommended.

ECHF Flexible Couplings

Explosionproof, Dust-Ignitionproof

NEC/CEC :
 Class I, Division 1, 2, Groups A, B, C, D
 Class I, Zone 1, 2, Groups IIA, IIB, IIC
 Class II, Division 1, 2, Groups E, F, G
 Class III

Applications

- To suspend pendant mount hazardous location lighting fixtures in accordance with Article 501 of the National Electrical Code to assure the fixtures will swing freely if struck accidentally.

Features

- Female end fittings
- Supplied with two removable steel close nipples threaded into the female ends.
- Set screws prevent nipples and fixtures from rotating during relamping.
- Suitable for ground path.
- Maximum weight capacity: 50 lbs. per NEC Section 314-27(B).

Standard Materials

- Flexible coupling is constructed from brass tubing and bronze outer braid, with insulating liner.
- Bronze female end fittings are supplied with removable steel close nipples.

Options

- Stainless Steel - add suffix "SS" to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 844 and 886
- UL Listed: E-74593
- CSA Standard: C22.2 No. 30
- CSA Certified: 053390
- NEC Articles 500-503 and 505
- Suitable for wet locations when used with gasketed covers.



ECHF
 Suitable for Ground Path – Two Removable Steel Close Nipples
 1/2" – 3/4" Trade Size (Inches)

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-----------------|--------------|--------------|--------------|---------------------|----------------|
| Trade Size (Inches) | Flexible Length | A | B | Max. Dia. C | Min. Bending Radius | Catalog Number |
| 1/2 | 101.6 (4) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-4 ① |
| 1/2 | 152.4 (6) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-6 ① |
| 1/2 | 203.2 (8) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-8 ① |
| 1/2 | 254 (10) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-10 ① |
| 1/2 | 304.8 (12) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-12 ① |
| 1/2 | 381 (15) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-15 ① |
| 1/2 | 457.2 (18) | 85.85 (3.38) | 47.75 (1.88) | 36.58 (1.44) | 254 (10) | ECHF-50-18 ① |
| 3/4 | 101.6 (4) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-4 ① |
| 3/4 | 152.4 (6) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-6 ① |
| 3/4 | 203.2 (8) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-8 ① |
| 3/4 | 254 (10) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-10 ① |
| 3/4 | 304.8 (12) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-12 ① |
| 3/4 | 381 (15) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-15 ① |
| 3/4 | 457.2 (18) | 85.85 (3.38) | 47.75 (1.88) | 44.45 (1.75) | 304.8 (12) | ECHF-75-18 ① |

NOTE: Unions are not available in stainless steel.

① Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III.

GUA Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B♦, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 3, 4

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features

- O-Ring gasket provided to assure NEMA 4 rating.
- Smooth hub bushings protect insulation when pulling conductors.
- Cast-in brackets on cover for use with breaker-bar tools for tightening/loosening.
- Tapered threaded hubs (NPT)
- Threaded for Rigid Conduit or IMC

Standard Materials

- 1/2" - 1" Copper-free Aluminum cover with Malleable Iron body
- 1-1/4" - 2" Malleable Iron cover and body/

Standard Finishes

- Zinc Electroplated Aluminum Enamel

Options

- Malleable iron.

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-85310
- CSA Standard: C22.2 No. 30
- CSA Certified: 020945
- NEMA 7CD, 9EFG
- NEC Articles 500-503 and 505
- Mil. Spec: Mil-F-28675
- Fed. Spec: A-A-50563



♦ In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.

GUA Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof







NEC/CEC:

Class I, Division 1 and 2, Groups B♦, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 3, 4

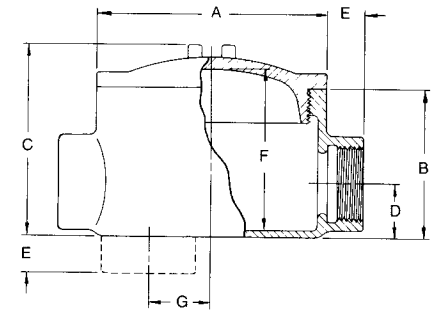
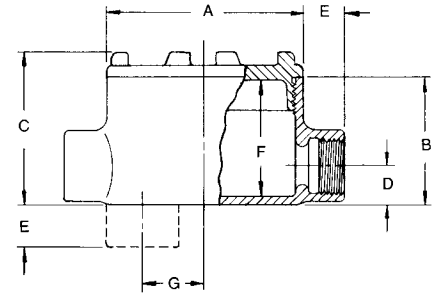
| | | | | Catalog Number | | |
|---|---------------------|-------|---|---|---|-------------|
| Hub Type | Trade Size (Inches) | Form | Malleable Iron Body With Aluminum Cover | Malleable Iron Body/Cover w/ Ground Screw | Malleable Iron Cover/Body UL/CSA/FM Certified with Ground Screw/Lug | |
|  | GUAE | 1/2 | 1 | GUAE-50 | GUAE-50MC | GUAE-50CS |
| | | 3/4 | 1 | GUAE-75 | GUAE-75MC | GUAE-75CS |
| | | 1 | 1 | GUAE-100 | GUAE-100MC | GUAE-100CS |
| | | 1-1/4 | 2 | — | — | — |
| | | 1-1/2 | 3 | — | — | — |
| | | 2 | — | — | — | — |
|  | GUAC | 1/2 | 1 | GUAC-50 | GUAC-50MC | GUAC-50CS |
| | | 3/4 | 1 | GUAC-75 | GUAC-75MC | GUAC-75CS |
| | | 1 | 1 | GUAC-100 | GUAC-100MC | GUAC-100CS |
| | | 1-1/4 | 2 | — | GUAC-125 | GUAC-125CS |
| | | 1-1/2 | 3 | — | GUAC-150 | GUAC-150CS |
| | | 2 | 3 | — | GUAC-200 | GUAC-200CS |
|  | GUAL | 1/2 | 1 | GUAL-50 | GUAL-50MC | GUAL-50CS |
| | | 3/4 | 1 | GUAL-75 | GUAL-75MC | GUAL-75CS |
| | | 1 | 1 | GUAL-100 | GUAL-100MC | GUAL-100CS |
| | | 1-1/4 | 2 | — | GUAL-125 | GUAL-125CS |
| | | 1-1/2 | 3 | — | GUAL-150 | GUAL-150CS |
| | | 2 | 3 | — | GUAL-200 | GUAL-200CS |
|  | GUALB | 1/2 | 1 | GUALB-50 | GUALB-50MC | GUALB-50CS |
| | | 3/4 | 1 | GUALB-75 | GUALB-75MC | GUALB-75CS |
| | | 1 | 1 | GUALB-100 | GUALB-100MC | GUALB-100CS |
| | | 1-1/4 | 2 | — | GUALB-125 | GUALB-125CS |
| | | 1-1/2 | 3 | — | GUALB-150 | GUALB-150CS |
| | | 2 | 3 | — | GUALB-200 | GUALB-200CS |
|  | GUAT | 1/2 | 1 | GUAT-50 | GUAT-50MC | GUAT-50CS |
| | | 3/4 | 1 | GUAT-75 | GUAT-75MC | GUAT-75CS |
| | | 1 | 1 | GUAT-100 | GUAT-100MC | GUAT-100CS |
| | | 1-1/4 | 2 | — | GUAT-125 | GUAT-125CS |
| | | 1-1/2 | 3 | — | GUAT-150 | GUAT-150CS |
| | | 2 | 3 | — | GUAT-200 | GUAT-200CS |
|  | GUAX | 1/2 | 1 | GUAX-50 | GUAX-50MC | GUAX-50CS |
| | | 3/4 | 1 | GUAX-75 | GUAX-75MC | GUAX-75CS |
| | | 1 | 1 | GUAX-100 | GUAX-100MC | GUAX-100CS |
| | | 1-1/4 | 2 | — | GUAX-125 | GUAX-125CS |
| | | 1-1/2 | 3 | — | GUAX-150 | GUAX-150CS |
| | | 2 | 3 | — | GUAX-200 | GUAX-200CS |

GUA Conduit Outlet Boxes

For Rigid Conduit and IMC

Dimensions

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | |
|--------------------------------|------------------------------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|
| | A | B | C | D | E | F | G |
| Type GUA, Form 1 | | | | | | | |
| 1/2 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |
| 3/4 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |
| 1 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |
| Type GUA, Forms 2 and 3 | | | | | | | |
| 1-1/4 | 114.3 (4.50) | 68.3 (2.69) | 90.4 (3.56) | 30.2 (1.19) | 22.4 (0.88) | 69.9 (2.75) | 28.7 (1.13) |
| 1-1/2 | 146.1 (5.75) | 95.3 (3.75) | 122.2 (4.81) | 35.1 (1.38) | 23.9 (0.94) | 103.1 (4.06) | 38.1 (1.50) |
| 2 | 146.1 (5.75) | 101.6 (4.00) | 128.5 (5.06) | 41.4 (1.63) | 25.4 (1.00) | 108.0 (4.25) | 31.8 (1.25) |



1-1/4" = Form 2
1-1/2" and 2" = Form 3

GUA Conduit Outlet Boxes

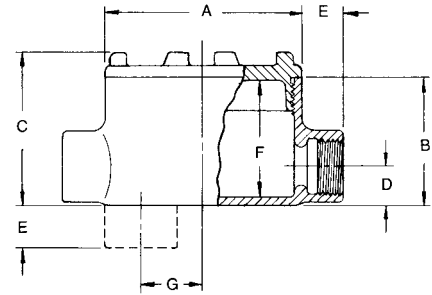
For Rigid Conduit and IMC

Dimensions

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | |
|----------------------|------------------------------------|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |

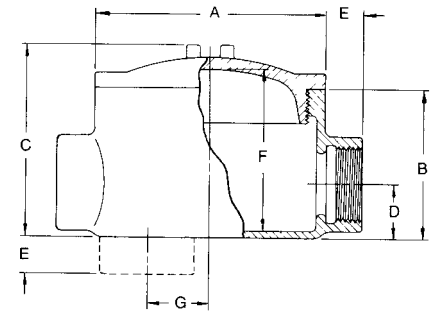
Type GUA - Aluminum, Form 1

| | | | | | | | |
|-----|----------------|--------------|----------------|----------------|----------------|----------------|----------------|
| 1/2 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |
| 3/4 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |
| 1 | 95.3 (3.75) | 62 (2.44) | 73.2 (2.88) | 19.1 (0.75) | 20.6 (0.81) | 57.2 (2.25) | 31.8 (1.25) |



Type GUA - Aluminum, Forms 2 and 3

| | | | | | | | |
|-------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|----------------|
| 1-1/4 | 114.3 (4.50) | 68.3 (2.69) | 90.4 (3.56) | 30.2 (1.19) | 22.4 (0.88) | 69.9 (2.75) | 28.7 (1.13) |
| 1-1/2 | 146.1 (5.75) | 95.3 (3.75) | 122.2 (4.81) | 35.1 (1.38) | 23.9 (0.94) | 103.1 (4.06) | 38.1 (1.50) |
| 2 | 146.1 (5.75) | 101.6 (4.00) | 128.5 (5.06) | 41.4 (1.63) | 25.4 (1.00) | 108.0 (4.25) | 31.8 (1.25) |



1-1/4" = Form 2

1-1/2" and 2" = Form 3

GUJ Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof.

NEC/CEC:

Class I, Division 1, 2, Groups B♦, C, D

Class I, Zone 1, 2, Groups IIA, IIB

Class II, Division 1, 2, Groups E, F, G

Class III

NEMA 3, 4

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features

- Smooth hub bushings protect insulation when pulling conductors.
- Cast-in brackets on cover for use with breaker-bar tools for tightening/loosening.
- No risk of conductor insulation damage from threads on base during pulling.
- No risk of “pinching” conductors during cover installation.
- Improved wiring room
- Tapered threaded hubs (NPT)
- Dome cover available
- Internal ground screw standard
- Suitable for wet locations in upright position only.

Standard Materials

- Malleable iron

Standard Finishes

- Triple coat

Options

- Hot Dip or Mechanical Galvanized. Add suffix “G” to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E-85310
- CSA Standard: CSA: C22.2 No. 30
- CSA Certified: 020945/025875



GUJT



GUJL



GUJC



GUJLB

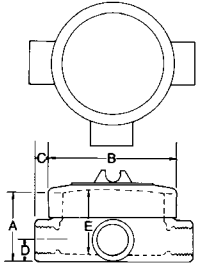


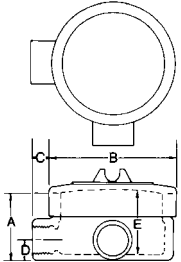
GUJX

♦ In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.

GUJ Conduit Outlet Boxes

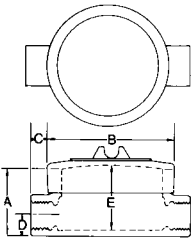
Explosionproof, Dust-Ignitionproof.

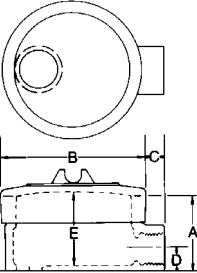
| | Dimensions in Millimeter (Inches) | | | | | | | | Catalog Number | |
|---|-----------------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|---------------|---|---|--|
| | Trade Size (Inches) | A | B | C | D | E | Cover Opening | Volume dm ³ (in ³) | Malleable Iron Cover/ Malleable Iron Body UL Only | Malleable Iron Cover/Body Malleable UL/CSA/ FM Certified with Ground Screw/Lug |
| Type GUJT | | | | | | | | | | |
|  | 1/2 | 50.8 (2) | 98.425 (3.875) | 19.05 (0.75) | 15.875 (0.625) | 50.8 (2) | 76.2 (3) | .22 (13.5) | GUJT-50 | GUJT-50 CS |
| | 3/4 | 57.15 (2.25) | 98.425 (3.875) | 19.05 (0.75) | 19.05 (0.75) | 53.975 (2.125) | 76.2 (3) | .25 (15.0) | GUJT-75 | GUJT-75CS |
| | 1 | 63.5 (2.5) | 98.425 (3.875) | 22.225 (0.875) | 22.352 (0.88) | 60.325 (2.375) | 76.2 (3) | .28 (17.0) | GUJT-100 | GUJT-100CS |

| | Dimensions in Millimeter (Inches) | | | | | | | | Catalog Number | |
|---|-----------------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|---------------|---|---|--|
| | Trade Size (Inches) | A | B | C | D | E | Cover Opening | Volume dm ³ (in ³) | Malleable Iron Cover/ Malleable Iron Body UL Only | Malleable Iron Cover/Body Malleable UL/CSA/FM Certified with Ground Screw/ Lug |
| Type GUJL | | | | | | | | | | |
|  | 1/2 | 50.8 (2) | 98.425 (3.875) | 19.05 (0.75) | 15.875 (0.625) | 50.8 (2) | 76.2 (3) | .22 (13.5) | GUJL-50 | GUJL-50CS |
| | 3/4 | 57.15 (2.25) | 98.425 (3.875) | 19.05 (0.75) | 19.05 (0.75) | 53.975 (2.125) | 76.2 (3) | .25 (15.0) | GUJL-75 | GUJL-75CS |
| | 1 | 63.5 (2.5) | 98.425 (3.875) | 22.225 (0.875) | 22.225 (0.875) | 60.325 (2.375) | 76.2 (3) | .28 (17.0) | GUJL-100 | GUJL-100CS |

GUJ Conduit Outlet Boxes

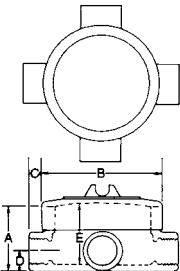
Explosionproof, Dust-Ignitionproof.

| | Dimensions in Millimeter (Inches) | | | | | | | Catalog Number | | |
|---|-----------------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|---------------|---|---|--|
| | Trade Size (Inches) | A | B | C | D | E | Cover Opening | Volume dm ³ (in ³) | Malleable Iron Cover/ Malleable Iron Body UL Only | Malleable Iron Cover/Body Malleable UL/CSA/FM Certified with Ground Screw/ Lug |
| Type GUJC | | | | | | | | | | |
|  | 1/2 | 50.8 (2) | 98.425 (3.875) | 19.05 (0.75) | 15.875 (0.625) | 50.8 (2) | 76.2 (3) | .22 (13.5) | GUJC-50 | GUJC-50CS |
| | 3/4 | 57.15 (2.25) | 98.425 (3.875) | 19.05 (0.75) | 19.05 (0.75) | 53.975 (2.125) | 76.2 (3) | .25 (15.0) | GUJC-75 | GUJC-75CS |
| | 1 | 63.5 (2.5) | 98.425 (3.875) | 22.225 (0.875) | 22.352 (0.88) | 60.325 (2.375) | 76.2 (3) | .28 (17.0) | GUJC-100 | GUJC-100CS |

| | Dimensions in Millimeter (Inches) | | | | | | | Catalog Number | | |
|---|-----------------------------------|-----------------|-------------------|------------------|-------|-------------------|---------------|---|---|--|
| | Trade Size (Inches) | A | B | C | D | E | Cover Opening | Volume dm ³ (in ³) | Malleable Iron Cover/ Malleable Iron Body UL Only | Malleable Iron Cover/Body Malleable UL/CSA/FM Certified with Ground Screw/ Lug |
| Type GUJLB | | | | | | | | | | |
|  | 1/2 | 50.8 (2) | 98.425 (3.875) | 19.05 (0.75) | 15.88 | 15.875 (0.625) | 76.2 (3) | .22 (13.5) | GUJLB-50 | GUJLB-50CS |
| | 3/4 | 57.15 (2.25) | 98.425 (3.875) | 19.05 (0.75) | 19.05 | 19.05 (0.75) | 76.2 (3) | .25 (15.0) | GUJLB-75 | GUJLB-75CS |
| | 1 | 63.5 (2.5) | 98.425 (3.875) | 22.352 (0.88) | 22.23 | 22.225 (0.875) | 76.2 (3) | .28 (17.0) | GUJLB-100 | GUJLB-100CS |

GUJ Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof.

| | Dimensions in Millimeter (Inches) | | | | | | | | Catalog Number | |
|---|-----------------------------------|-----------------|-------------------|------------------|------------------|-------------------|---------------|---|---|--|
| | Trade Size (Inches) | A | B | C | D | E | Cover Opening | Volume dm ³ (in ³) | Malleable Iron Cover/ Malleable Iron Body UL Only | Malleable Iron Cover/Body Malleable UL/CSA/FM Certified with Ground Screw/ Lug |
| Type GUJLB | | | | | | | | | | |
|  | 1/2 | 50.8 (2) | 98.425 (3.875) | 19.05 (0.75) | 16.002 (0.63) | 50.8 (2) | 76.2 (3) | .22 (13.5) | GUJX-50 | GUJX-50CS |
| | 3/4 | 57.15 (2.25) | 98.425 (3.875) | 19.05 (0.75) | 19.05 (0.75) | 53.975 (2.125) | 76.2 (3) | .25 (15.0) | GUJX-75 | GUJX-75CS |
| | 1 | 63.5 (2.5) | 98.425 (3.875) | 22.352 (0.88) | 22.352 (0.88) | 60.325 (2.375) | 76.2 (3) | .28 (17.0) | GUJX-100 | GUJX-100CS |

GUA Conduit Outlet Box Covers

Nec/CEC:

Class I, Division 1, 2, Groups C, D
Class I, Zone 1, 2, Groups IIA, IIB
Class II, Division. 1, 2, Groups E, F, G
Class III

Applications

- Provides NPT thread hub for mounting pendant light fixtures (luminaires) on 1/2", 3/4" and 1" trade size Type GUA outlet boxes.
- Provides additional wiring space and NPT threaded hub for mounting pendant light fixtures (luminaires) on 1/2", 3/4" and 1" trade size Type GUA Outlet Boxes.

Features

- O-Ring gasket provided to assure watertightness.
- Increases internal wiring volume (12.5 cu. in.)
- Side port allows access to conductors after fixture is mounted.
- Tapered threaded hub (NPT)
- Provided with anti-rotation set-screws.
- Maximum weight capacity: 50 lbs. per NEC Section 314-27(B).

Standard Materials

- Malleable Iron
- Steel Set Screws
- Buna-N O-Ring

Standard Finishes

- Zinc electroplated

Options

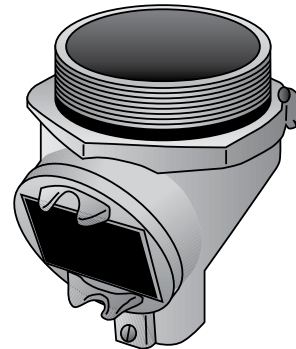
- Hot Dip or Mechanical Galvanized.
- Add suffix "G" to standard catalog number.
Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-97032
- CSA Standard: C22.2 No. 30
- CSA Certified: 020945
- Suitable for wet locations
- Fed. Spec: A-A-50563
- NEC Articles 500-503 and 505
- Suitable for wet locations



Type GUAHC



Type GUAFC



GUA Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-Ring.

Nec/CEC:

Class I, Division 1, 2, Groups C, D
 Class I, Zone 1, 2, Groups IIA, IIB
 Class II, Division 1, 2, Groups E, F, G
 Class III

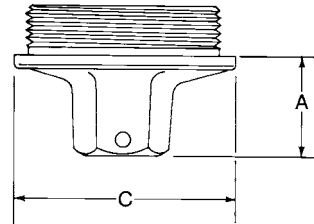
| | Hub Type | Conduit Size (Inches) | Catalog Number |
|---|----------|-----------------------|----------------|
|  | GUAHC | 1/2 | GUAHC-50 |
| | | 3/4 | GUAHC-75 |
|  | GUAFC | 1/2 | GUAFC-50 |
| | | 3/4 | GUAFC-50 |

Dimensions

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | |
|-------------------|------------------------------------|---|------------|
| | A | B | C Max. Dia |

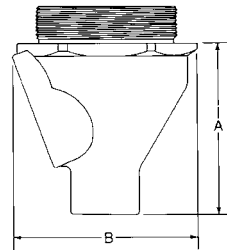
GUAHC

| | | | |
|-----|----------------|---|------------|
| 1/2 | 41.275 (1.625) | — | 88.9 (3.5) |
| 3/4 | 41.275 (1.625) | — | 88.9 (3.5) |

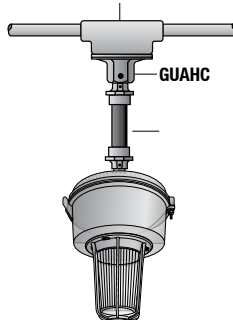


GUAFC

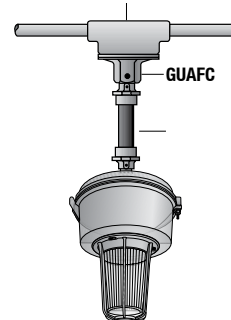
| | | | |
|-----|---|-------------|------------|
| 1/2 | — | 41.4 (1.63) | 88.9 (3.5) |
| 3/4 | — | 41.4 (1.63) | 88.9 (3.5) |



Type GUA Outlet Box



Type GUA Outlet Box



Sealing Cover

For GUA Outlet Boxes

Nec/CEC:

- Class I, Division 1, 2, Groups C, D
- Class I, Zone 1, 2, Groups IIA, IIB
- Class II, Division. 1, 2, Groups E, F, G
- Class III

Applications

- Converts 1/2", 3/4" and 1" trade size Type GUA malleable iron outlet boxes into 25% fill sealing fittings.

Features

- Removable plug for pouring sealing compound.
- O-Ring gasket provided to assure watertightness.
- Can be used with O-Z/Gedney EYC sealing compound.

Standard Materials

- Malleable Iron
- Steel Set Screws
- Buna-N O-Ring

Standard Finishes

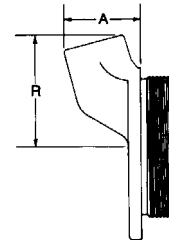
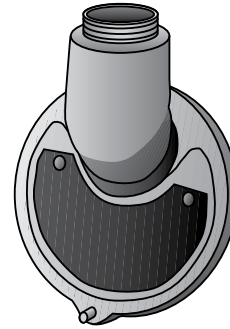
- Zinc electroplated

Options

- Hot Dip or Mechanical Galvanized. Add suffix "G" to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-97032
- CSA Standard: C22.2 No. 30
- CSA Certified: 020945
- Suitable for wet locations
- NEC Articles 500-503 and 505
- Fed. Spec: A-A-50563
- Suitable for wet locations



| Dimensions in Millimeters (Inches) | | |
|------------------------------------|----------------------------|---------------|
| Turning Radius "R" | Maximum Body Height "A" | Catlog Number |
| 63.5 (2.5) | 44.5 (1.75) | GUASC-1 |

Threaded Extension

For GUA & GUJ Outlet Boxes

Nec/CEC:

Class I, Division 1, 2, Groups C, D
Class I, Zone 1, 2, Groups IIA, IIB
Class II, Division 1, 2, Groups E, F, G
Class III

Applications

- Provides for increased internal wiring volume in 1/2", 3/4" and 1" trade size in Type GUA or Type GUJ malleable iron outlet boxes

Features

- O-Ring gasket provided to assure watertightness.
- Cast-in brackets for use with breaker bar tools.
- Increases internal wiring volume by 11 cu. in.

Standard Materials

- Malleable Iron
- Buna-N O-Ring

Standard Finishes

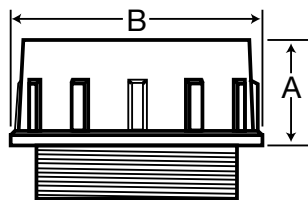
- Zinc electroplated

Options

- Hot Dip or Mechanical Galvanized. Add suffix "G" to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-97032
- CSA Standard: C22.2 No. 30
- CSA Certified: 043437
- Suitable for wet locations
- NEC Articles 500-503 and 505
- Fed. Spec: A-A-50563
- Suitable for wet locations



| Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------------|-------------|----------------|--|----------------|
| A | Max. Dia. B | Volume Cu. In. | | |
| 69.9 (2.75) | 88.9 (3.5) | 11 | | GUADC-1 |

GUEB Conduit Outlet Boxes with Multiple Hubs

Explosionproof, Dust-Ignitionproof, Raintight

Nec/CEC:

Class I, Division 1 and 2, Groups B♦, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features

- 7 to 13 hubs.
- O-Ring gasket provided to assure NEMA 4 rating.
- Smooth hub bushings protect insulation when pulling conductors.
- Cast-in brackets on cover for use with breaker-bar tools for tightening/loosening.
- Tapered threaded hubs (NPT)
- Supplied with close-up plugs (see table).
- Furnished with internal ground screw.

Standard Materials

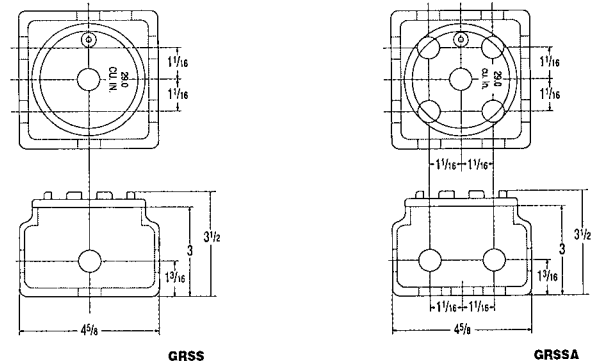
- Copper-free aluminum

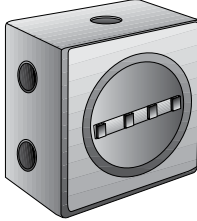
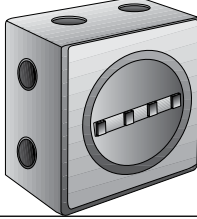
Standard Finishes

- Aluminum enamel

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-85310
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- Fed. Spec: A-A-50563
- NEMA 4, 7BCD, 9EFG



| | Dimensions in Millimeters (Inches) | | | | | |
|---|------------------------------------|-------------|----------------------|---------------|---|---------------------|
| | Trade Size (Inches) | No. of Hubs | No. of Plus Supplied | Cover Opening | Volume dm ³ (in ³) | Catalog Number |
|  | 1/2 | 7 | 4 | 85.852 (3.38) | .48 (29) | GUEB7-50AN4 |
| | 3/4 | 7 | 4 | 85.852 (3.38) | .48 (29) | GUEB7-75AN4 |
| | 1 | 7 | 4 | 85.852 (3.38) | .48 (29) | GUEB7-100AN4 |
|  | 1/2 | 13 | 5 | 85.852 (3.38) | .48 (29) | GUEB13-50AN4 |
| | 3/4 | 13 | 5 | 85.852 (3.38) | .48 (29) | GUEB13-75AN4 |

♦ In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.

LBH 90° Aluminum Pulling Elbows

Explosion-Proof, Dust-Ignition-Proof

UNILETS® for use with Threaded Metal Conduit.

NEC/CEC:

Class I, Division 1 and 2, Group D
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- To provide access to conductors for pulling, splicing and maintenance in Hazardous Locations.

Features

- Tapered Threaded Hubs (NPT) for Rigid Conduit and IMC.
- Angled cover opening allows conductors to be pulled straight through hubs.
- Smooth cover opening and pulling surfaces prevents abrasion of conductors.
- Neoprene gasket cemented into groove in cover for NEMA 4 application.
- Provided with reducing bushings to adapt to the next smaller trade size.

Standard Materials

- Copper-free aluminum
- Cover screws are steel zinc electroplated

Standard Finishes

- Epoxy powder coat

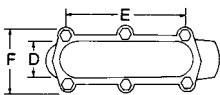
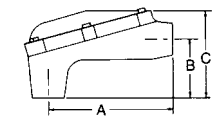
NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E85310
- CSA Standard: C22.2 No. 30
- CSA Certified: 009
- NEC Articles 500-503 and 505
- Mil. Spec: Mil-F-28675
- Fed. Spec: A-A-50563



| | Trade Size (Inches) | Catalog Number | |
|--|---------------------|----------------|---------------|
| | | Cast Iron | Cast Aluminum |
| | 1/2 - 3/4 | LBH-0507 ① | LBH-0507A ② |
| | 1 - 1-1/4 | LBH-1012 ① | LBH-1012A ② |
| | 1-1/2 - 2 | LBH-1520 ① | LBH-1520A ② |
| | 2-1/2 - 3 | LBH-2530 ① | LBH-2530A ② |
| | 4 | LBH-400 | LBH-400A |
| | 1/2 - 3/4 | - | LBH-0507AN4 ② |
| | 1 - 1-1/4 | - | LBH-1012AN4 ② |
| | 1-1/2 - 2 | - | LBH-1520AN4 ② |
| | 2-1/2 - 3 | - | LBH-2530AN4 ② |
| | 4 | - | LBH-400AN4 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | Volume dm3 (in3) | Reducing Bushing Size | Reducing Bushing Quantity Provided |
|---------------------|------------------------------------|------------|-------------|------------|-------------|------------|------------------|-----------------------|------------------------------------|
| | A | B | C | D | E | F | | | |
| 1/2 to 3/4 | 127 (5.00) | 67 (2.63) | 102 (4.00) | 25 (1.00) | 108 (4.25) | 70 (2.75) | 0.14 (8.5) | 3/4 to 1/2 | 2 |
| 1 to 1-1/4 | 200 (7.88) | 86 (3.38) | 133 (5.25) | 45 (1.75) | 184 (7.25) | 102 (4.00) | 0.54 (33.2) | 1-1/4 to 1 | 2 |
| 1-1/2 to 2 | 270 (10.63) | 121 (4.75) | 181 (7.13) | 60 (2.38) | 260 (10.25) | 127 (5.00) | 1.36 (83) | 2 to 1-1/2 | 2 |
| 2-1/2 to 3 | 397 (15.63) | 140 (5.50) | 235 (9.25) | 86 (3.38) | 394 (15.50) | 162 (6.38) | 4.06 (248) | 3 to 2-1/2 | 2 |
| 4 | 597 (23.50) | 168 (6.63) | 298 (11.75) | 108 (4.25) | 597 (23.50) | 197 (7.75) | 11.68 (713) | 4 to 3-1/2 | 0 ③ |
| 1/2 to 3/4 | 127 (5.00) | 67 (2.63) | 102 (4.00) | 25 (1.00) | 108 (4.25) | 70 (2.75) | 0.14 (8.5) | 3/4 to 1/2 | 2 |
| 1 to 1-1/4 | 200 (7.88) | 86 (3.38) | 133 (5.25) | 45 (1.75) | 184 (7.25) | 102 (4.00) | 0.54 (33.2) | 1-1/4 to 1 | 2 |
| 1-1/2 to 2 | 270 (10.63) | 121 (4.75) | 181 (7.13) | 60 (2.38) | 260 (10.25) | 127 (5.00) | 1.36 (83) | 2 to 1-1/2 | 2 |
| 2-1/2 to 3 | 397 (15.63) | 140 (5.50) | 235 (9.25) | 86 (3.38) | 394 (15.50) | 162 (6.38) | 4.06 (248) | 3 to 2-1/2 | 2 |
| 4 | 597 (23.5) | 168 (6.63) | 298 (11.75) | 108 (4.25) | 597 (23.50) | 197 (7.75) | 11.68 (713) | 4 to 3-1/2 | 0 ③ |



① Ferrous reducing bushings furnished.

② Aluminum reducing bushings furnished.

③ Reducing bushings are available for adaptation to 31/2" conduit, contact your local representative for pricing and availability.

LBY Capped Elbows

Explosion-Proof, Dust-Ignition-Proof

UNILETS® for use with Threaded Metal Conduit.

NEC/CEC — Aluminum and Malleable Iron:
Class I, Division 1 and 2, Groups B ♦, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC — Malleable Iron Only:
Class I, Zone 1 and 2, Groups IIA, IIB +H₂

Applications

- Serves as pulling fitting.
- Makes 90° bend in conduit runs.

Features

- Screw-on Cover for ease of installation and removal.
- Cover opens on an angle permitting conductors to be pulled straight through either hub.
- Can make 90° turns in conduit where a compact turn is desired.
- Female tapered threaded hubs (NPT) for rigid conduit and IMC.

Standard Materials

- Malleable iron

Standard Finishes

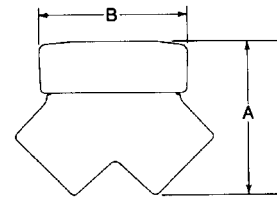
- Malleable iron: triplecoat— (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B and 886 (1203)
- UL Listed: E34997/E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795/065181



Type LBY



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|--------------|----------------|
| | A | B | |
| 1/2 | 57.15 (2.25) | 18.29 (0.72) | LBY-50 |
| 3/4 | 63.5 (2.5) | 60.33 (2.38) | LBY-75 |
| 1 | 71.37 (2.81) | 71.44 (2.81) | LBY-10 |
| 1-1/4 | 79.5 (3.13) | 84.14 (3.31) | LBY-125 |
| 1-1/2 | 84.07 (3.31) | 96.84 (3.81) | LBY-150 |

♦ Suitable for Class 1, Group B in addition to Class I, Groups C, D; Class II, Groups E, F, G and Class III.

OE Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Rigid Metal Conduit.

NEC/CEC:

Class I, Division 1 and 2, Group C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- Meet a wide range of classified area requirements.
- Corrosion-resistant — ideal indoors or out.
- For pulling of wires.
- Connect conduit lengths and change direction of conduit.
- Provide access for maintenance.

Features

- Malleable iron bodies have high tensile strength and ductility. Provides great resistance to corrosion, impact, and shock.
- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Compact, rectangular conduit outlet boxes are ideal in classified locations where space is limited.
- Six different hub arrangements.
- Ground surface contact between body and cover assures a flame-tight joint.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers: malleable iron

Standard Finishes

- Bodies and covers: malleable iron triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

NEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E85310
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- Mil. Spec: Mil-F-28675
- Fed. Spec: A-A-50563



OEC



OELB



OELL



OELR



OET


OE Raintight Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Rigid Metal Conduit.

NEC/CEC:

Class I, Division 1 and 2, Group C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Size | Catalog Number UL Listed |
|---|------|-----------------------------|
| Furnished with blank cover | | |
|  | 1/2 | OEC-50 |
| | 3/4 | OEC-75 |
|  | 1/2 | OELB-50 |
| | 3/4 | OELB-75 |
|  | 1/2 | OELL-50 |
| | 3/4 | OELL-75 |
|  | 1/2 | OELR-50 |
| | 3/4 | OELR-75 |
|  | 1/2 | OET-50 |
| | 3/4 | OET-75 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | |
|------------------------|------------------------------------|-------------|--------------------|--------------|-------------|-------------|
| | A | B | C | D | E | G |
| 1/2 | 93.7 (3.69) | 38.1 (1.50) | 46.0 (1.81) | 127.0 (5.0) | 54.1 (2.13) | 14.2 (0.56) |
| 3/4 | 25.4 (1.00) | 44.5 (1.75) | 50.8 (2.00) (50.8) | 138.2 (5.44) | 68.3 (2.69) | 17.5 (0.69) |

EL 90° Elbows

NEC/CEC:

Class I, Division 1 and 2 Groups A ◊, B ◊, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

Applications

- Provides a 90° change in direction in hazardous and ordinary locations where a short radius turn is needed.

Features

- Female tapered threaded hubs (NPT) for rigid conduit and IMC.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

Options

- Mechanical Galvanize. Add suffix "G" to standard catalog number. Contact your local representative for pricing and availability.

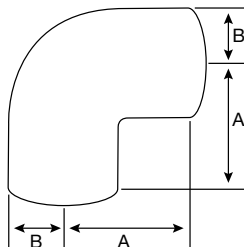
NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B and 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181
- Suitable for wet locations



Type EL-9

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|---------------|----------------|
| | A | B | |
| 1/2 | 38.1 (1.5) | 19.05 (0.75) | EL-950 ◊ |
| 3/4 | 44.45 (1.75) | 22.23 (0.875) | EL-975 ◊ |
| 1 | 50.8 (2) | 26.92 (1.06) | EL-9100 ◊ |
| 1-1/4 | 57.15 (2.25) | 34.93 (1.375) | EL-9125 |
| 1-1/2 | 101.6 (4) | 76.2 (3) | EL-9150 |
| 2 | 127 (5) | 101.6 (4) | EL-9200 |



◊ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

90° Conduit Elbows

NEC/CEC:

Class I, Division 1 and 2 Groups A◇, B◇, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

Applications

- Provides a 90° change in direction in hazardous and ordinary locations where a short radius turn is needed.

Features

- Threaded for rigid conduit and IMC
- Female - NPT
- Male - NPT
- Available with insulated throat

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

Options

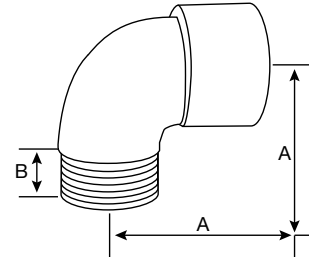
- Mechanical Galvanize. Add suffix “G” to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B and 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- Suitable for wet locations
- NEC Articles 500-503 and 505
- Mil. Spec: Mil-F-28675



Type 8 Series 90° Short



| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | 90° Catalog Number |
|----------------------|------------------------------------|--------------|-----------------------|
| | A | B | |
| 1/2 | 34.93 (1.38) | 14.29 (0.56) | 8-50 ◇ |
| 3/4 | 41.28 (1.63) | 15.88 (0.63) | 8-75 ◇ |
| 1 | 47.63 (1.88) | 26.99 (1.06) | 8-100 |

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

ELFF 45° Short Elbow

NEC/CEC:

Class I, Division 1 and 2 Groups A \diamond , B \diamond , C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

Applications

- Provides a 90° change in direction in hazardous and ordinary locations where a short radius turn is needed.

Features

- Threaded (NPT) for rigid conduit and IMC
- Suitable for wet locations.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

Options

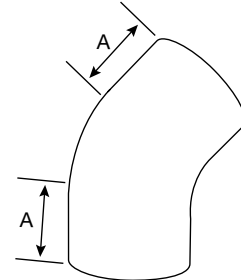
- Mechanical Galvanize. Add suffix “G” to standard catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B and 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181
- NEC Articles 500-503 and 505



Type ELFF-450 45° Short



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|--------------|---------------------|
| | B | C | |
| 1/2 | 30.16 (1.19) | 58.74 (2.31) | ELFF-450 \diamond |

\diamond Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

Drain, Breather, Universal Drain or Breather, Thread/Joint Lubricants

Explosionproof, Dust-Ignitionproof.

NEC/CEC Type DB:

Class I, Division 1, 2, Groups C, D
 Class I, Zone 1, 2, Groups IIA, IIB
 Class II, Division 1, 2, Groups F, G
 Class III

NEC/CEC Type DBB:

Class I, Div. 1, 2, Groups B, C, D
 Class I, Zone 1, 2, Groups IIA, IIB + H2
 Class II, Div. 1, 2, Groups E, F, G
 Class III

Applications

- May be used as a combination drain or breather
- When installed at the top of an enclosure it acts as a breather
- When Installed in the bottom of an enclosure it acts as a drain for moisture inside the enclosure

Features

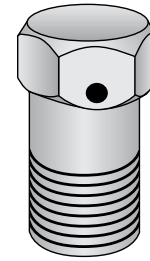
- Tapered threads (NPT).

Standard Materials

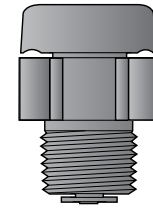
- Stainless steel

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- NEC Articles 500-503 and 505

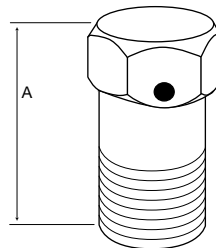


Type DB



Type DBB

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|----------------|
| | Length | Max Dia | A | |
| 1/2 | 33.33 (1.31) | 26.99 (1.06) | 33.34 (1.31) | DB-38 ① |
| 3/4 | 38.1 (1.5) | 25.4 (1) | 38.1 (1.5) | DB-50 |
| 1 | 42.86 (1.69) | 33.34 (1.31) | 61.91 (2.44) | DBB-50SS |



① UL component recognized.

PLG Close-Up Plugs

For Outlet Boxes and Hubs

NEC/CEC:

Class I, Division 1 and 2 Groups A, B, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

Applications

- To close up a taped hole or hub

Features

- Threaded (NPT).

Standard Materials

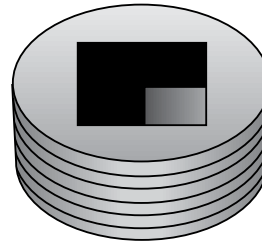
- 1/2" - 1" Steel
- 1 1/4" - 6" Malleable Iron

Standard Finishes

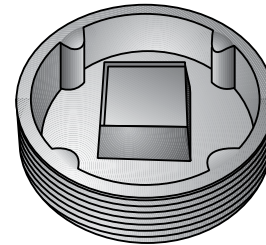
- Zinc electroplated or copper-free aluminum

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- Suitable for wet locations
- NEC Articles 500-503 and 505



Type PLG-50R—Type PLG-200R
 Type PLG-50RA—Type PLG-200RA
 (Internal Recessed)



Type PLG-250C—Type PLG-600C
 Type PLG-250CA—Type PLG-400CA
 (Patented)

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number | |
|------------------------|------------------------------------|--------------|----------------|-----------|
| | Body Thk. | Socket | Steel/Iron | Aluminum |
| | | | | |
| 1/2 | 12.7 (0.5) | 9.53 (0.38) | PLG-50R | PLG-50RA |
| 3/4 | 12.7 (0.5) | 12.7 (0.5) | PLG-75R | PLG-75RA |
| 1 | 19.05 (0.75) | 12.7 (0.5) | PLG-100R | PLG-100RA |
| 1-1/4 | 19.05 (0.75) | 19.05 (0.75) | PLG-125R | PLG-125RA |
| 1-1/2 | 19.05 (0.75) | 19.05 (0.75) | PLG-150R | PLG-150RA |
| 2 | 19.05 (0.75) | 25.4 (1) | PLG-200R | PLG-200RA |
| 2-1/2 | 28.58 (1.13) | n/a | PLG-250C | PLG-250CA |
| 3 | 31.75 (1.25) | n/a | PLG-300C | PLG-300CA |
| 3-1/2 | 31.75 (1.25) | n/a | PLG-350C | PLG-350CA |
| 4 | 31.75 (1.25) | n/a | PLG-400C | PLG-400CA |
| 5 | 34.93 (1.38) | n/a | PLG-500C | — |
| 6 | 38.1 (1.5) | n/a | PLG-600C | — |

RB Reducing Bushings

NEC/CEC:
RB-321S/A through RB-330S/A:
 Class I, Division 1, 2, Groups A, B, C, D
 Class I, Zone 1, 2, Groups IIA, IIB, IIC
 Class II, Division 1, 2, Groups E, F, G
 Class III

NEC/CEC:
RB-331/A through RB-357/A:
 Class I, Division 1, 2, Groups B, C, D
 Class I, Zone 1, 2, Groups IIA, IIB + H2
 Class II, Division 1, 2, Groups E, F, G
 Class III

Applications

- To reduce the trade size of a tapped hole or hub

Features

- Tapered threads (NPT)
- Smooth internal bushing protects conductors.
- Threaded for Rigid Conduit or IMC.

Standard Materials

- RB-320S to RB-330S**
Steel
- RB-331 to RB-357**
Malleable Iron
- RB-321A to RB-357A**
Copper-free Aluminum

Standard Finishes

- RB-320S to RB-330S**
Zinc Electroplated
- RB-331 to RB-357**
Zinc Electroplated
- RB-321A to RB-357A**
Natural Finish



Type RB

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997, E-10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- NEC Articles 500-503 and 505

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number | |
|------------------------|------------------------------------|--|------------------|----------------|
| | Body Length | | Steel/Iron | Aluminum |
| 1/2 – 3/8 | — | | RB-320S ① | — |
| 3/4 – 1/2 | 18.25 (0.72) | | RB-321S | RB-321A |
| 1 – 3/4 | 18.25 (0.72) | | RB-322S | RB-322A |
| 1 – 1/2 | 18.25 (0.72) | | RB-323S | RB-323A |
| 1-1/4 – 1/2 | 30.16 (1.19) | | RB-324S | RB-324A |
| 1-1/4 – 3/4 | 30.16 (1.19) | | RB-325S | RB-325A |
| 1-1/4 – 1 | 30.16 (1.19) | | RB-326S | RB-326A |
| 1-1/2 – 1-1/4 | 30.16 (1.19) | | RB-327S | RB-327A |
| 1-1/2 – 1 | 30.16 (1.19) | | RB-328S | RB-328A |
| 1-1/2 – 3/4 | 30.16 (1.19) | | RB-329S | RB-329A |
| 1 1/2 – 1/2 | 30.16 (1.19) | | RB-330S | RB-330A |
| 2 – 1 1/2 | 22.23 (0.88) | | RB-331 | RB-331A |
| 2 – 1-1/4 | 22.23 (0.88) | | RB-332 | RB-332A |
| 2 – 1 | 22.23 (0.88) | | RB-333 | RB-333A |
| 2 – 3/4 | 22.23 (0.88) | | RB-334 | RB-334A |
| 2 – 1/2 | 22.23 (0.88) | | RB-335 | RB-335A |
| 2-1/2 – 2 | 25.4 (1) | | RB-336 | RB-336A |
| 2-1/2 – 1-1/2 | 25.4 (1) | | RB-337 | RB-337A |
| 2-1/2 – 1 | 25.4 (1) | | RB-339 | RB-339A |
| 3 – 1-1/2 | 31.75 (1.25) | | RB-340 | RB-340A |
| 3 – 2 | 31.75 (1.25) | | RB-341 | RB-341A |
| 3 – 2-1/2 | 31.75 (1.25) | | RB-342 | RB-342A |
| 3 1/2 – 3 | 34.93 (1.38) | | RB-349 | RB-349A |
| 3-1/2 – 2-1/2 | 34.93 (1.38) | | RB-350 | RB-350A |
| 4 – 2 | 38.1 (1.5) | | RB-351 | RB-351A |
| 4 – 2-1/2 | 38.1 (1.5) | | RB-355 | RB-355A |
| 4 – 3 | 38.1 (1.5) | | RB-356 | RB-356A |
| 4 – 3-1/2 | 38.1 (1.5) | | RB-357 | RB-357A |

① Not UL Listed - Non-Hazardous.

Type REC Reducing Couplings

NEC/CEC:

Class I, Division 1 and 2 Groups A◇, B◆, C, D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

Applications

- To connect two different sizes of conduit together or to replace a coupling and reducer in an installation.

Features

- Tapered threads (NPT).

Standard Materials

- REC-0705S through REC-1007S - Steel
- REC-1207 through REC-5040 - Malleable Iron

Standard Finishes

- Zinc electroplated

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 30
- CSA Certified: LR-9795
- NEC Articles 500-503 and 505



| | Large Hub Size (Inches) | Small Hub Size (Inches) | Catalog Number Malleable |
|---|----------------------------|----------------------------|-----------------------------|
| REC – Threaded Bell Reducing Couplings | | | |
| | 3/4 | 1/2 | REC-0705S ◆ |
| | 1 | 1/2 | REC-1005S ◇ |
| | 1 | 3/4 | REC-1007S ◇ |
| | 1-1/4 | 3/4 | REC-1207 ◆ |
| | 1-1/4 | 1 | REC-1210 ◆ |
| | 1-1/2 | 3/4 | REC-1507 ◆ |
| | 1-1/2 | 1 | REC-1510 ◆ |
| | 2 | 3/4 | REC-2007 ◆ |
| | 2 | 1 | REC-2010 ◆ |
| | 2 | 1-1/4 | REC-2012 ◆ |
| | 2 | 1-1/2 | REC-2015 ◆ |
| | 2-1/2 | 1-1/2 | REC-2515 ◆ |
| | 3 | 2 | REC-3020 ◆ |
| | 4 | 3 | REC-4030 ◆ |
| | 5 | 4 | REC-5040 ② |

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III.

◆ Indicated items in the shaded area which are UL Listed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.

Type ME-S Male Enlargers

NEC/CEC:

Class I, Division 1, 2, Groups A, B, C, D
 Class I, Zone 1, 2, Groups IIA, IIB, IIC
 Class II, Division 1, 2, Groups E, F, G
 Class III

Applications

- Enlarges a threaded hub in an enclosure or fitting.
- Example: A 3/4" conduit may connect to a 1/2" female hub by using an ME-323S. See illustration below.



Type ME-S

Features

- Knurled female hub.
- Tapered threaded hubs (NPT) for Rigid Conduit and IMC.

Standard Materials

- Steel

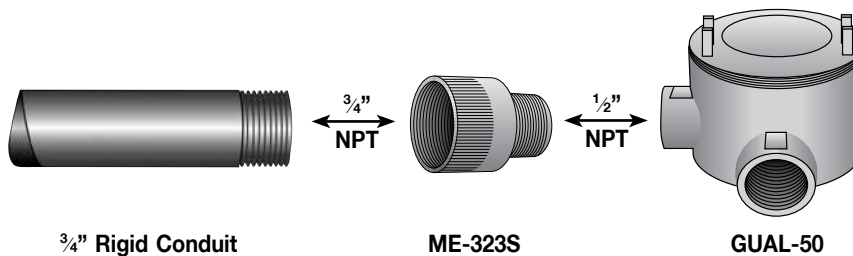
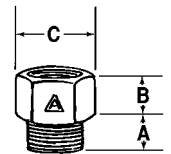
Standard Finishes

- Zinc electroplated

NEC/CEC Certifications and Compliances

- UL Standards: ANSI/UL 514B and 886
- UL Listed: E-34997
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795
- Suitable for wet locations
- NEC Articles 500-503 and 505

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--|---------------------|------------------------------------|-------------|-------------|------------------------|------------------|
| | | A | B | C | | |
| Male Enlargers ① — Turned Steel ① | | | | | | |
| | 1/2 | 14.2 (0.56) | 19.8 (0.78) | 35.1 (1.38) | 7.26 (16.00) | ME-323S ② |
| | 3/4 | 12.7 (0.50) | 23.9 (0.94) | 44.5 (1.75) | 1.80 (26.00) | ME-324S ② |
| | 1 | 14.2 (0.56) | 26.9 (1.06) | 57.2 (2.25) | 21.32 (47.00) | ME-325S ② |



① Not CSA Certified.
 ② Not UL Listed.

STL Thread Lubricant

Applications

- For use between any threaded joint to help prevent seizing and galling.

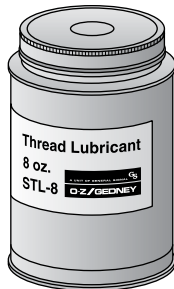
Features

- Effective and stable from -40°F to 600°F.
- Can be used between parts of dissimilar materials.
- Excellent adhesion qualities.
- Inhibits corrosion and aids in preventing moisture from entering threaded joints.
- Non-conductive however allows for Metal-to-Metal contact thereby maintaining Maintains ground continuity.
- Available in squeeze tube or can with convenient brush in cap.
- Approximately 10 year shelf life.

NEC/CEC Certifications and Compliances

- UL Listing not applicable

| | Package Weight | Catalog Number |
|---|----------------|----------------|
|  | 2 oz tube | STL-2 |
|  | 8 oz can | STL-8 |



AXB Series Expansion Fittings with Integral Bond

For Rigid Metal Conduit and IMC.

Applications

- Accommodates expansion and contraction in a run of rigid metal conduit (RMC) and intermediate metal conduit (IMC).

Features

- The AXB series of expansion fittings simplifies and speeds installation with several industry features; vandalproof, corrosive resistant and field-inspectable.
- Disassembly is not required during installation, therefore there are no parts to drop or lose and fewer tools are required.
- Internal bonding jumper eliminates need for external jumper that can be tampered with and exposed to corrosion.

Material

- Body: ductile iron
- Bonding jumper: tinned copper
- Grommets: neoprene

Finish

- Hot dip galvanized

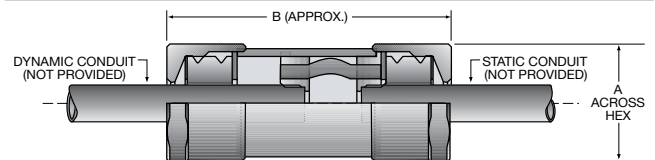
NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B, 467
- CSA Standard: C22.2 No. 18.3, C22.2 No. 41
- U Listed: E11853
- Wet or dry locations



| Trade Size (In.) | Dimensions In Millimeters (Inches) | | Weight kg (lb) | Case Qty. | Catalog Number |
|---|------------------------------------|---------------------|----------------|-----------|------------------|
| | Overall Diameter | Overall Free Length | | | |
| 4 Inch Movement — 2" in either direction | | | | | |
| 1/2 | 69.9 (2.75) | 203.2 (8.00) | 1.88 (4.15) | 10 | AXB-50 |
| 3/4 | 69.9 (2.75) | 203.2 (8.00) | 1.93 (4.25) | 10 | AXB-75 |
| 1 | 77.7 (3.06) | 209.6 (8.25) | 2.21 (4.88) | 5 | AXB-100 |
| 1-1/4 | 111.3 (4.38) | 251.0 (9.88) | 5.38 (11.85) | 5 | AXB-125 |
| 1-1/2 | 111.3 (4.38) | 251.0 (9.88) | 5.43 (11.98) | 5 | AXB-150 |
| 2 | 127.0 (5.00) | 257.3 (10.13) | 6.49 (14.30) | 1 | AXB-200 |
| 8 Inch Movement — 4" in either direction | | | | | |
| 1/2 | 69.9 (2.75) | 304.8 (12.00) | 2.76 (6.09) | 10 | AXB-8-50 |
| 3/4 | 69.9 (2.75) | 304.8 (12.00) | 2.81 (6.20) | 10 | AXB-8-75 |
| 1 | 77.7 (3.06) | 311.2 (12.25) | 3.19 (7.03) | 5 | AXB-8-100 |
| 1-1/4 | 111.3 (4.38) | 352.6 (13.88) | 7.28 (16.06) | 5 | AXB-8-125 |
| 1-1/2 | 111.3 (4.38) | 352.6 (13.88) | 7.43 (16.38) | 5 | AXB-8-150 |
| 2 | 127.0 (5.00) | 358.9 (14.13) | 8.94 (19.70) | 1 | AXB-8-200 |

Dimensions in Millimeters (Inches)



| Trade Size (In.) | B | | |
|------------------|--------------|---------------|---------------|
| | A | 4" | 8" |
| 1/2 | 69.9 (2.75) | 203.2 (8.00) | 304.8 (12.00) |
| 3/4 | 69.9 (2.75) | 203.2 (8.00) | 304.8 (12.00) |
| 1 | 77.7 (3.06) | 209.6 (8.25) | 311.2 (12.25) |
| 1-1/4 | 111.3 (4.38) | 251.0 (9.88) | 352.6 (13.88) |
| 1-1/2 | 111.3 (4.38) | 251.0 (9.88) | 352.6 (13.88) |
| 2 | 127.0 (5.00) | 257.3 (10.13) | 358.9 (14.13) |

AX Expansion Fittings

For Rigid Metal Conduit and IMC.

Applications

- To allow for expansion and contraction in a run of rigid metal conduit.
- For applications involving IMC a 15" min. length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC
- Type AX provides for a maximum of 4" conduit movement (2" in either direction).
- Type AX-8 provides for a maximum of 8" conduit movement (4" in either direction).

Features

- Weatherproof
- Concretetight
- Includes insulating bushing
- Bonding jumpers

Material

- Malleable or ductile iron

Finish

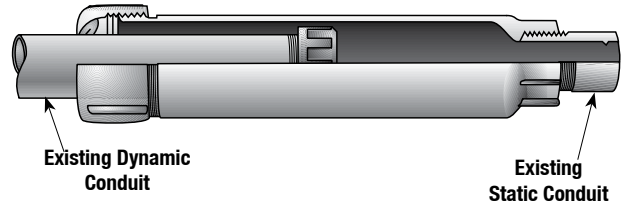
- Hot dip galvanized

Options

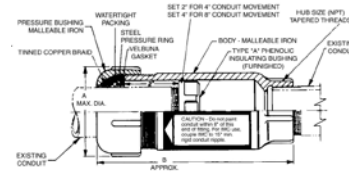
- Type AX and Type AX-8 expansion fittings are available in Copper-free Aluminum. Add letter "A" after Catalog Number (Example: AX-50A). Use ABJ jumpers.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 11584
- Wet or dry locations - use with Type BJ external bonding jumpers
- Wet or dry locations
- NEMA: FB-1



Type AX-8 Provides for 8" Conduit Movement



Type AX Provides for 4" Conduit Movement

| Trade Size (In.) | Dimensions Millimeters (Inches) | | Catalog Number | Catalog Number |
|---|------------------------------------|---------------------|-----------------|----------------------|
| | A Max. Dia. | B Overall Length | | |
| 4 Inch Movement — 2" in either direction | | | | Bonding Jumper - 14" |
| 1/2 | 50.8 (2) | 158.75 (6.25) | AX-50 | BJ-0507-14 |
| 3/4 | 57.15 (2.25) | 162.05 (6.38) | AX-75 | BJ-0507-14 |
| 1 | 66.8 (2.63) | 168.4 (6.63) | AX-100 | BJ-1012-14 |
| 1-1/4 | 79.5 (3.13) | 168.4 (6.63) | AX-125 | BJ-1012-14 |
| 1-1/2 | 88.9 (3.5) | 168.4 (6.63) | AX-150 | BJ-1520-14 |
| 2 | 101.6 (4) | 181.1 (7.13) | AX-200 | BJ-1520-14 |
| 2-1/2 | 114.3 (4.5) | 190.5 (7.5) | AX-250 | BJ-2530-14 |
| 3 | 136.65 (5.38) | 206.5 (8.13) | AX-300 | BJ-2530-14 |
| 3-1/2 | 152.4 (6) | 215.9 (8.5) | AX-350 | BJ-3540-14 |
| 4 | 168.4 (6.63) | 219.2 (8.63) | AX-400 | BJ-3540-14 |
| 5 | 203.2 (8) | 241.3 (9.5) | AX-500 | BJ-5060-14 |
| 6 | | | | |
| 8 Inch Movement — 4" in either direction | | | | Bonding Jumper - 14" |
| 1/2 | 50.8 (2) | 260.35 (10.25) | AX-8-50 | BJ-0507-24 |
| 3/4 | 57.15 (2.25) | 263.65 (10.38) | AX-8-75 | BJ-0507-24 |
| 1 | 66.8 (2.63) | 270 (10.63) | AX-8-100 | BJ-1012-24 |
| 1-1/4 | 79.5 (3.13) | 270 (10.63) | AX-8-125 | BJ-1012-24 |
| 1-1/2 | 88.9 (3.5) | 270 (10.63) | AX-8-150 | BJ-1520-24 |
| 2 | 101.6 (4) | 282.7 (11.13) | AX-8-200 | BJ-1520-24 |
| 2-1/2 | 114.3 (4.5) | 292.1 (11.5) | AX-8-250 | BJ-2530-24 |
| 3 | 136.65 (5.38) | 308.1 (12.13) | AX-8-300 | BJ-2530-24 |
| 3-1/2 | 152.4 (6) | 311.15 (12.25) | AX-8-350 | BJ-3540-24 |
| 4 | 168.4 (6.63) | 314.45 (12.38) | AX-8-400 | BJ-3540-24 |
| 5 | 203.2 (8) | 342.9 (13.5) | AX-8-500 | BJ-5060-24 |
| 6 | | See EX on page CA5 | | |

TX Expansion Fittings

For Electrical Metallic Tubing (EMT).

Applications

- To allow for expansion and contraction in a run of electrical metallic tubing (EMT).

Features

- A maximum of 4" conduit movement is provided (2" in either direction)
- These fittings, less the EMT connectors and conduit nipple, are our Type AX expansion fittings which are listed by Underwriters Laboratories, Inc., for use with rigid conduit when used with bonding jumpers.
- Concretetight

Finish

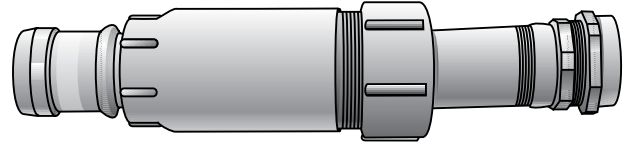
- Basic Type AX expansion fitting is Hot Dip Galvanized. Other metal parts are Zinc Plated

Options

- Type AX and Type AX-8 expansion fittings are available in Copper-free Aluminum. Add letter "A" after Catalog Number (Example: AX-50A). Use ABJ jumpers.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 14895
- NEMA: FB-1



Type TX Provides for 4" EMT Movement

| EMT Size | Catalog Number | Catalog Number |
|----------|----------------------------|-----------------------------|
| | 4 Inch EMT Movement | Bonding Jumper - 24" |
| 1/2 | TX-50 | BJ-0507-24 |
| 3/4 | TX-75 | BJ-0507-24 |
| 1 | TX-100 | BJ-1012-24 |
| 1-1/4 | TX-125 | BJ-1012-24 |
| 1-1/2 | TX-150 | BJ-1520-24 |
| 2 | TX-200 | BJ-1520-24 |
| 2-1/2 | TX-250 | BJ-2530-24 |
| 3 | TX-300 | BJ-2530-24 |
| 3-1/2 | TX-350 | BJ-3540-24 |
| 4 | TX-400 | BJ-3540-24 |

EX Expansion Fittings

For Rigid Metal Conduit and IMC.

Applications

- To allow for expansion and contraction of conduit.
- Permits 8" conduit movement (4" in either direction).
- For applications involving IMC a 15" min. length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC.

Features

- Weatherproof
- Available in custom length. Contact your local representative for pricing and availability.
- Available for EMT. Contact your local representative for pricing and availability.

Material

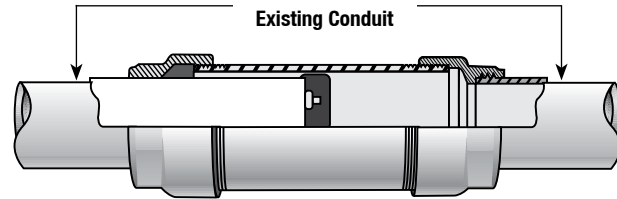
- Head - malleable or ductile iron
- Sleeve - steel
- Insulating bushing - phenolic

Finish

- Hot dip galvanized

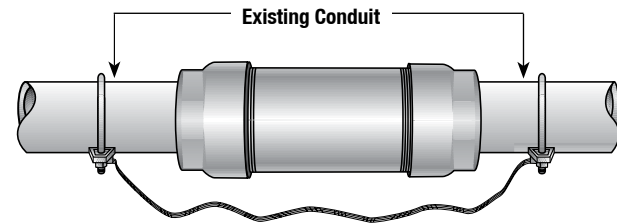
NEC/CEC Certifications and Compliances

- UL Standard: 514
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 11584
- NEMA: FB-1



Fitting
TYPE EX

Type AX-8 Provides for 8" Conduit Movement



Bonding Jumper
(Application)

| Trade Size (Inches) | Dimensions Inches | | Catalog Number | Catalog Number |
|---|-------------------|----------------|---------------------|------------------------------------|
| | Max. Dia. | Overall Length | | |
| 4 Inch Movement — 2" in either direction | | | | |
| 1/2 | 44.45 (1.75) | 279.4 (11) | EX-50 | Bonding Jumper - 24" BJ-0507-24 |
| 3/4 | 54.1 (2.13) | 289.05 (11.38) | EX-75 | BJ-0507-24 |
| 1 | 60.45 (2.38) | 298.45 (11.75) | EX-100 | BJ-1012-24 |
| 1-1/4 | 73.15 (2.88) | 301.75 (11.88) | EX-125 | BJ-1012-24 |
| 1-1/2 | 85.85 (3.38) | 311.15 (12.25) | EX-150 | BJ-1520-24 |
| 2 | 101.6 (4) | 317.5 (12.5) | EX-200 | BJ-1520-24 |
| 2-1/2 | 117.6 (4.63) | 336.55 (13.25) | EX-250 | BJ-2530-24 |
| 3 | 130.3 (5.13) | 336.55 (13.25) | EX-300 | BJ-2530-24 |
| 3 1/2 | 146.05 (5.75) | 342.9 (13.5) | EX-350 | BJ-3540-24 |
| 4 | 158.75 (6.25) | 349.25 (13.75) | EX-400 | BJ-3540-24 |
| 5 | 212.85 (8.38) | 384.3 (15.13) | EX-500 | BJ-5060-24 |
| 6 | 241.3 (9.5) | 390.65 (15.38) | EX-600 ^① | BJ-5060-24 |

^① Not CSA Certified

BJ Bonding Jumpers

For Rigid Steel, IMC and EMT.

Applications

- Type BJ - For bonding two rigid, EMT or IMC steel conduits together.
- Type BJ-E - For bonding conduit to a flat surface, such as a cabinet or box.

Material

- Clamps - malleable or ductile iron
- U-bolts - steel
- Braids - tin copper

Finish

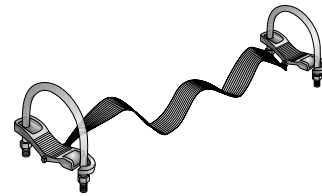
- Clamps and U-bolts are hot dip galvanized

Options

- Available in custom lengths. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 15978
- Fed. Spec: W-F-406E
- NEMA: FB-1



Type BJ



Type BJ-E

| 14" – Use with Type AX | | | 24" – Use with Type AXB, TX and EX | | | 16" – Use with Type ECE | | |
|------------------------|-------|-------------------|------------------------------------|-------|-------------------|-------------------------|-------|---------------------|
| Trade Size (Inches) | | Catalog Number | Trade Size (Inches) | | Catalog Number | Trade Size (Inches) | | Catalog Number |
| Min. | Max. | | Min. | Max. | | Min. | Max. | |
| 1/2 | 3/4 | BJ-0507-14 | 1/2 | 3/4 | BJ-0507-24 | 1/2 | 3/4 | BJ-0507 E-16 |
| 1 | 1-1/4 | BJ-1012-14 | 1 | 1-1/4 | BJ-1012-24 | 1 | 1-1/4 | BJ-1012 E-16 |
| 1 1/2 | 2 | BJ-1520-14 | 1-1/2 | 2 | BJ-1520-24 | 1-1/2 | 2 | BJ-1520 E-16 |
| 2-1/2 | 3 | BJ-2530-14 | 2-1/2 | 3 | BJ-2530-24 | 2-1/2 | 3 | BJ-2530 E-16 |
| 3 1/2 | 4 | BJ-3540-14 | 3-1/2 | 4 | BJ-3540-24 | 3-1/2 | 4 | BJ-3540 E-16 |
| 5 | 6 | BJ-5060-14 | 5 | 6 | BJ-5060-24 | 5 | 6 | BJ-5060 E-16 |

ABJ Bonding Jumpers

For Rigid Aluminum Conduit.

Applications

- For bonding two rigid aluminum conduits together or when used with aluminum expansion fittings.

Material

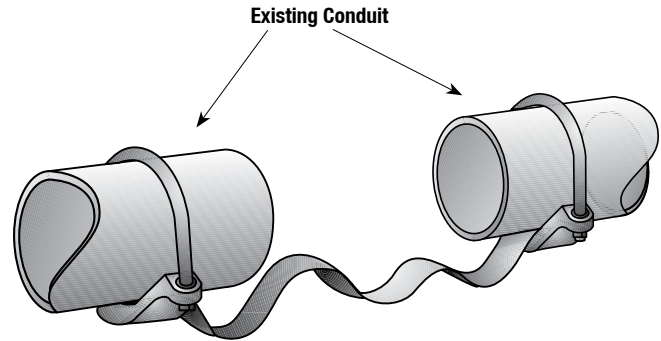
- Clamps and connecting strap - aluminum
- U-bolts and nuts - stainless steel

Options

- Span lengths other than shown are available. Contact your local representative.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 11584
- Fed. Spec: W-F-406E
- NEMA: FB-1



Type ABJ

Use with Type AX-A

Use with Type AX-8-A and EX-A

| Trade Size (Inches) | Catalog Number (Strap Length 14") | Trade Size (Inches) | Catalog Number (Strap Length 24") |
|------------------------|--------------------------------------|------------------------|--------------------------------------|
| 1/2 or 3/4 | ABJ-0507-14 | 1/2 or 3/4 | ABJ-0507-24 |
| 1 | ABJ-10-14 | 1 | ABJ-10-24 |
| 1-1/4 | ABJ-12-14 | 1-1/4 | ABJ-12-24 |
| 1-1/2 | ABJ-15-14 | 1-1/2 | ABJ-15-24 |
| 2 | ABJ-20-14 | 2 | ABJ-20-24 |
| 2-1/2 | ABJ-25-14 | 2-1/2 | ABJ-25-24 |
| 3 | ABJ-30-14 | 3 | ABJ-30-24 |
| 3-1/2 | ABJ-35-14 | 3-1/2 | ABJ-35-24 |
| 4 | ABJ-40-14 | 4 | ABJ-40-24 |
| 5 | ABJ-50-14 | 5 | ABJ-50-24 |
| — | — | 6 | ABJ-60-24 |

DX Series Deflection/Expansion Fittings

For Rigid Metal Conduit and IMC.

Applications

- To compensate for movement in any direction between two conduit ends which they connect. Type DX fittings will withstand occasional vibration transmitted to conduit by rotating equipment or vehicular traffic.
- These fittings will provide for a movement of 3/4" from the normal in all directions. Where they are used for angular movement they will allow for a deflection of 30° from the normal in any direction.
- Fittings may be used with PVC conduit by using standard adapters in each end.

Features

- Internal copper bonding jumper has the capacity to carry ground fault currents equal to the conductor sizes required by UL and the NEC
- Watertight (NEMA 4)
- Raintight
- Concretetight

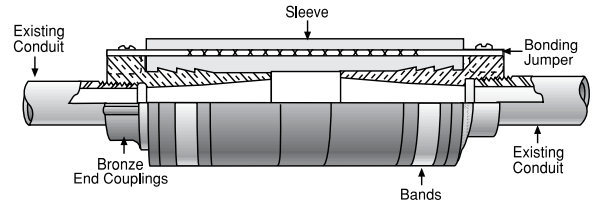
Material

- End couplings: bronze
- Sleeve: neoprene
- Bands: stainless steel
- Bonding jumper: tinned copper braid

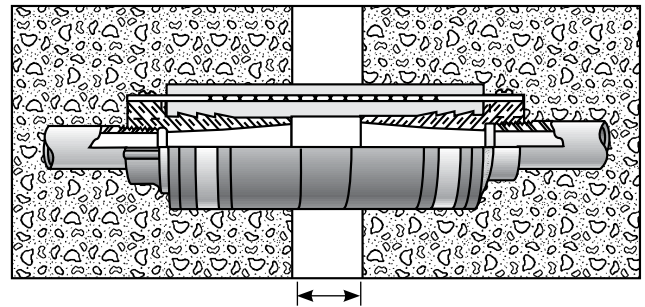
NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 11584
- NEMA: FB-1

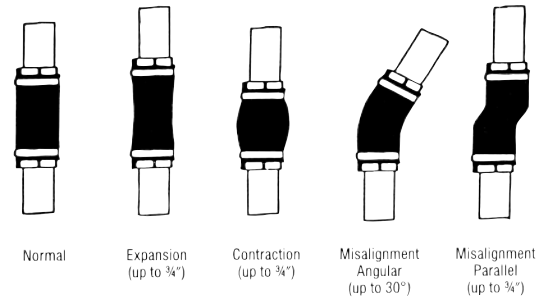
| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|----------------|-------------------|
| | Max. Dia. | Overall Length | |
| 1/2 | 57.2 (2.25) | 171.4 (6.75) | DX-50 |
| 3/4 | 63.5 (2.50) | 171.4 (6.75) | DX-75 |
| 1 | 69.9 (2.75) | 177.8 (7.00) | DX-100 |
| 1-1/4 | 79.5 (3.13) | 184.2 (7.25) | DX-125 |
| 1-1/2 | 79.5 (3.13) | 184.2 (7.25) | DX-150 |
| 2 | 98.6 (3.88) | 206.5 (8.13) | DX-200 |
| 2-1/2 | 111.3 (4.38) | 215.9 (8.50) | DX-250 |
| 3 | 127.0 (5.00) | 215.9 (8.50) | DX-300 |
| 3-1/2 | 146.1 (5.75) | 235.0 (9.25) | DX-350 |
| 4 | 158.8 (6.25) | 235.0 (9.25) | DX-400 |
| 5 | 184.2 (7.25) | 238.3 (9.38) | DX-500 |
| 6 | 209.6 (8.25) | 238.3 (9.38) | DX-600 |



Type DX



1-1/2" Spacing Required



AXDX Combination Deflection/Expansion Fitting

For Rigid Metal Conduit and IMC.

Applications

- The assembly shown can be used where allowance for expansion and deflection must be provided but the 3/4" straight line movement in either direction which our Type DX expansion/deflection fitting permits is not sufficient.
- By combining the Type DX fitting with our Type AX expansion fitting, a straight line movement of 2" in either direction (total movement of 4") is provided.

Features

- Fitting assembly can be used embedded in concrete as shown, or can be used in exposed locations.
- Fittings include standard Type DX and AX fittings, bonding jumper, insulating bushing, and short nipple.

Material

- Sleeve - neoprene
- End couplings - bronze
- Bonding jumper - tin copper braids
- Bands - stainless steel
- All other metal parts are malleable, ductile iron or steel

Finish

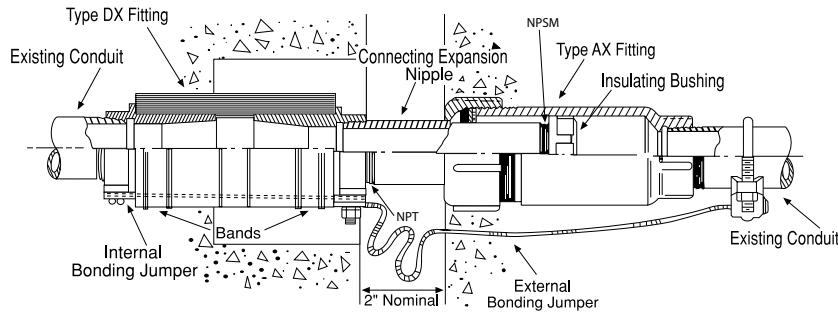
- All malleable, ductile iron or steel parts are Hot Dip Galvanized

Options

- Other sizes available. Fittings can be furnished to provide additional linear conduit movement beyond 4". Specify "AX8DX" for 8" linear movement, 4" in either direction. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 11584
- NEMA: FB-1



Type AXDX

Dimensions in Millimeters (Inches)

| Hub Size (Inches) | Max. Dia | Approx. Overall Length | Catalog Number |
|-------------------|--------------|------------------------|----------------|
| 1/2 | 57.15 (2.25) | 381 (15) | AXDX-50 |
| 3/4 | 63.5 (2.5) | 384.3 (15.13) | AXDX-75 |
| 1 | 69.85 (2.75) | 397 (15.63) | AXDX-100 |
| 1-1/4 | 79.5 (3.13) | 403.35 (15.88) | AXDX-125 |
| 1-1/2 | 88.9 (3.5) | 403.35 (15.88) | AXDX-150 |
| 2 | 101.6 (4) | 438.15 (17.25) | AXDX-200 |
| 2-1/2 | 114.3 (4.5) | 457.2 (18) | AXDX-250 |
| 3 | 130.3 (5.13) | 473.2 (18.63) | AXDX-300 |
| 3-1/2 | 152.4 (6) | 501.65 (19.75) | AXDX-350 |
| 4 | 168.4 (6.63) | 508 (20) | AXDX-400 |
| 5 | 203.2 (8) | 533.4 (21) | AXDX-500 |

PB and PBW Pull Box Fittings

For Rigid Metal Conduit and IMC.

Applications

- Fittings consist of two malleable iron end units one of which is furnished with set screws and a set of sealing rings consisting of packing, copper ground and pressure ring.
- A special Type A insulating bushing is also included. (Conduit not included.)

Features

- Two end units fitted to a purchased oversize sleeve make a convenient pull box to provide intermediate pulling points in a rigid metal conduit system to meet NEC Section 314.28(A)(1).
- Available for EMT. Contact your local representative for pricing and availability.

Material

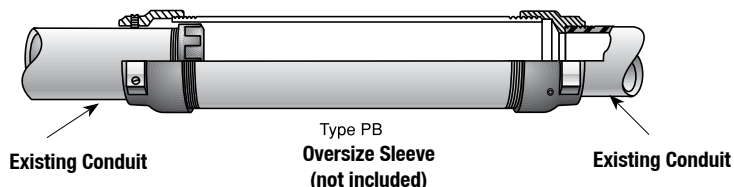
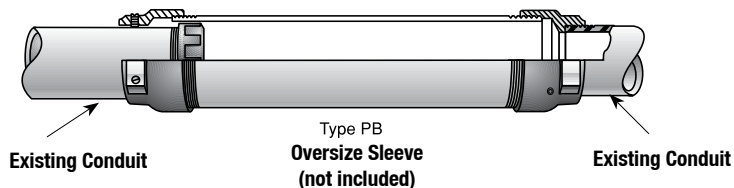
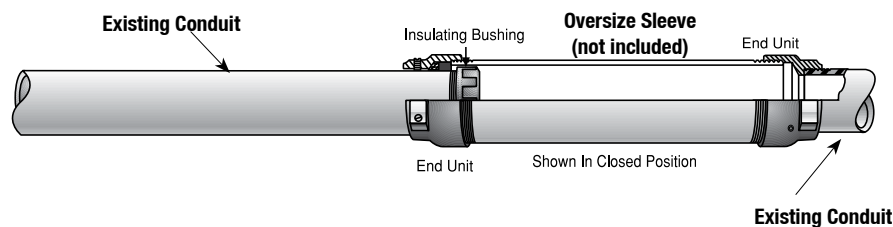
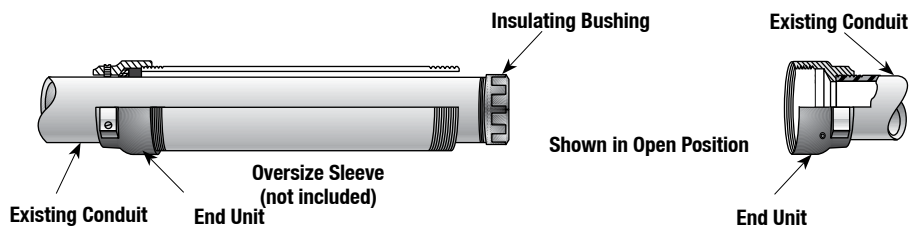
- End units - malleable iron or ductile iron
- Sleeves - steel: sleeves must be ordered separately at an additional cost.

Finish

- Hot Dip Galvanized

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853



NOTE: PB and PBW Pull Box Fittings are not supplied with oversize sleeves. Please order sleeves from the table on next page.

PB and PBW Pull Box Fittings

Type PB, PBW, End Fittings (see table below for ordering oversize sleeves)

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Non- Weatherproof Catalog Number | Weatherproof Catalog Number |
|------------------------|---|---------------|------------------------|-------------------------------|--|--------------------------------|
| | Oversize Sleeve Required Trade Size | Max. Dia. | Length Fitting Only | Min. Required Sleeve Length ① | | |
| 1/2 | 25.4 (1) | 44.45 (1.75) | 47.75 (1.88) | 152.4 (6) | PB-50 | PBW-50 |
| 3/4 | 31.75 (1.25) | 54.1 (2.13) | 50.8 (2) | 203.2 (8) | PB-75 | PBW-75 |
| 1 | 38.1 (1.5) | 60.45 (2.38) | 57.15 (2.25) | 304.8 (12) | PB-100 | PBW-100 |
| 1-1/4 | 50.8 (2) | 73.15 (2.88) | 60.45 (2.38) | 355.6 (14) | PB-125 | PBW-125 |
| 1-1/2 | 63.5 (2.5) | 101.6 (4) | 69.85 (2.75) | 508 (20) | PB-150 | PBW-150 |
| 2 | 76.2 (3) | 101.6 (4) | 69.85 (2.75) | 508 (20) | PB-200 | PBW-200 |
| 2-1/2 | 88.9 (3.5) | 117.6 (4.63) | 79.5 (3.13) | 609.6 (24) | PB-250 | PBW-250 |
| 3 | 101.6 (4) | 128.52 (5.06) | 79.5 (3.13) | 711.2 (28) | PB-300 | PBW-300 |
| 3-1/2 | 114.3 (4.5) | 146.05 (5.75) | 79.5 (3.13) | 812.8 (32) | PB-350 | PBW-350 |
| 4 | 127 (5) | 157.23 (6.19) | 79.5 (3.13) | 914.4 (36) | PB-400 | PBW-400 |
| 5 | 177.8 (7) | 212.85 (8.38) | 104.9 (4.13) | 1117.6 (44) | PB-500 | PBW-500 |
| 6 | 203.2 (8) | 241.3 (9.5) | 104.9 (4.13) | 1320.8 (52) | PB-600 | PBW-600 |

Oversize Sleeves (steel)

| Trade Size (Inches) Sleeve | Dimensions in Millimeters (Inches) | | | | | | |
|----------------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 12" Catalog Number | 18" Catalog Number | 24" Catalog Number | 30" Catalog Number | 36" Catalog Number | 48" Catalog Number | 60" Catalog Number |
| 1 | PBS-100-12S | PBS-100-18S | — | — | — | — | — |
| 1-1/4 | PBS-125-12S | PBS-125-18S | — | — | — | — | — |
| 1-1/2 | PBS-150-12S | PBS-150-18S | PBS-150-24S | — | — | — | — |
| 2 | PBS-200-12S | PBS-200-18S | PBS-200-24S | — | — | — | — |
| 2-1/2 | PBS-250-12S | PBS-250-18S | PBS-250-24S | PBS-250-30S | PBS-250-36S | — | — |
| 3 | PBS-300-12S | PBS-300-18S | PBS-300-24S | PBS-300-30S | PBS-300-36S | — | — |
| 3-1/2 | PBS-350-12S | PBS-350-18S | PBS-350-24S | PBS-350-30S | PBS-350-36S | PBS-350-48S | PBS-350-60S |
| 4 | PBS-400-12S | PBS-400-18S | PBS-400-24S | PBS-400-30S | PBS-400-36S | PBS-400-48S | PBS-400-60S |
| 4-1/2 | PBS-450-12S | PBS-450-18S | PBS-450-24S | PBS-450-30S | PBS-450-36S | PBS-450-48S | PBS-450-60S |
| 5 | PBS-500-12S | PBS-500-18S | PBS-500-24S | PBS-500-30S | PBS-500-36S | PBS-500-48S | PBS-500-60S |
| 6 | PBS-600-12S | PBS-600-18S | PBS-600-24S | PBS-600-30S | PBS-600-36S | PBS-600-48S | PBS-600-60S |
| 7 | PBS-700-12S | PBS-700-18S | PBS-700-24S | PBS-700-30S | PBS-700-36S | PBS-700-48S | PBS-700-60S |
| 8 | PBS-800-12S | PBS-800-18S | PBS-800-24S | PBS-800-30S | PBS-800-36S | PBS-800-48S | PBS-800-60S |

① Minimum length of sleeve required to meet NEC Section 314.28(A)(1).

NOTE: PB and PBW Pull Box Fittings are not supplied with oversize sleeves. Please order sleeves from the table above.

EXPB Expansion – Pull Box Fittings

For Rigid Metal Conduit and IMC.

Applications

- To allow for expansion and contraction in a run of rigid conduit (2" in either direction for a total movement of 4").
- Also to provide a convenient pull box to supply an intermediate pulling point in the conduit run.
- For applications involving IMC a 15" min. length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC.

Features

- Weatherproof
- Fitting supplied complete with bonding jumper, oversize sleeve and special Type A insulating bushing.
- Available in custom lengths. Contact your local representative for pricing and availability.
- Available for EMT. Contact your local representative for pricing and availability.
- The bonding jumpers furnished are of the form shown in the illustration except on the 3 1/2", 5" and 6" sizes. On these sizes the bonding jumper spans the entire fitting and, except for the length of the braid, is the same as the Type BJ.

Standard Materials

- Head - malleable or ductile iron
- Sleeve - steel
- Bonding jumpers - similar to type BJ

Standard Finishes

- Hot Dip Galvanized

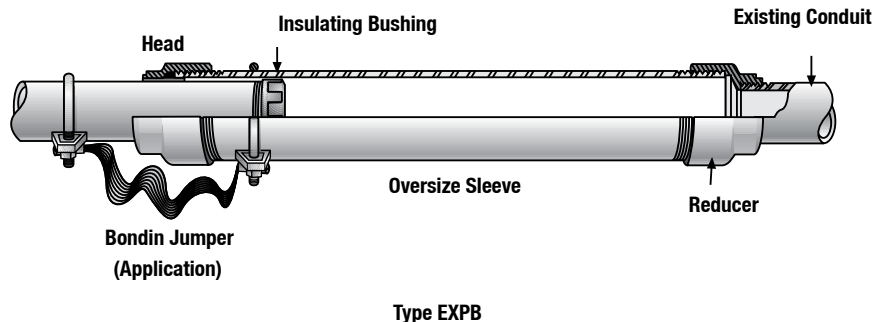
Options

- Available in Copper-free Aluminum. Add letter "A" after Catalog number.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1

| Dimensions in Millimeters (Inches) | | | | |
|------------------------------------|---------------|-----------------|------------------------|----------------|
| Trade Size (Inches) | Max. Dia. | Overall Length | Oversize Sleeve Length | Catalog Number |
| 1/2 | 44.45 (1.75) | 368.3 (14.5) | 304.8 (12) | EXPB-50 |
| 3/4 | 54.1 (2.13) | 374.65 (14.75) | 304.8 (12) | EXPB-75 |
| 1 | 60.45 (2.38) | 381 (15) | 304.8 (12) | EXPB-100 |
| 1-1/4 | 73.15 (2.88) | 438.15 (17.25) | 355.6 (14) | EXPB-125 |
| 1-1/2 | 85.85 (3.38) | 495.3 (19.5) | 406.4 (16) | EXPB-150 |
| 2 | 101.6 (4) | 603.25 (23.75) | 508 (20) | EXPB-200 |
| 2-1/2 | 117.6 (4.63) | 717.55 (28.25) | 609.6 (24) | EXPB-250 |
| 3 | 130.3 (5.13) | 819.15 (32.25) | 711.2 (28) | EXPB-300 |
| 3-1/2 | 146.05 (5.75) | 927.1 (36.5) | 812.8 (32) | EXPB-350 |
| 4 | 158.75 (6.25) | 1028.7 (40.5) | 914.4 (36) | EXPB-400 |
| 5 | 212.85 (8.38) | 1263.65 (49.75) | 914.4 (36) | EXPB-500 |
| 6 | 241.3 (9.5) | 1473.2 (58) | 1320.8 (52) | EXPB-600 |



Extra length sleeves to provide a longer pulling opening can be furnished at a price addition. Contact your local representative giving pulling opening require.

Types B, HB, AB, RB, SB and SBT Specification Grade Insulated Bushings

For Rigid Metal Conduit, IMC and EMT.

Applications

- To protect insulated conductors from abrasion during pulling and from mechanical vibration.
- To provide voltage gradient between live conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features

- Molded-on high impact phenolic thermosetting insulation.
- UL insulation temperature rating 150°C.
- Positive metallic conduit stop.

Standard Materials

For Threaded Rigid and IMC

Type B:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron

Type HB:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron

Type AB: Aluminum Bushing

Type RB: Bronze, for highly corrosive atmospheres

For Threadless Rigid and IMC

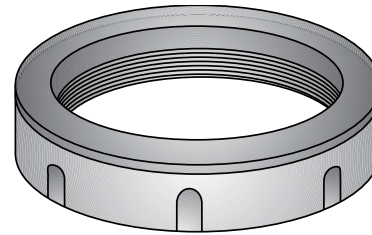
Type SB:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron

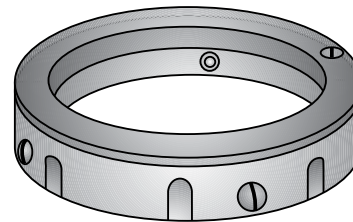
For EMT

Type SBT:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron



Type B
Threaded



Type SB
Threadless

Standard Finishes

Type B:

- 1/2" and 3/4", 1" to 6" - Zinc plated

Type HB:

- 1/2" and 3/4", 1" to 6" - Mechanical/Hot dip galvanized

Type AB: Aluminum Bushing

Type RB: Bronze, for highly corrosive atmospheres

Type SB:

- 1/2" and 3/4", 1" to 6" - Zinc plated with stainless steel screws

Type SBT:

- 1/2" and 3/4", 1" to 6" - Zinc plated with stainless steel screws

Options

- Type B insulated bushings are also available for threadless rigid and IMC in the following materials:
- Type HSB: Malleable Iron or Steel Mechanical/Hot Dip Galvanized
- Type ASB: Aluminum
- Type RSB: Bronze

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 011584
- NEMA: FB-1

Types B, HB, AB, RB, SB and SBT Specification Grade Insulated Bushings

For Rigid Metal Conduit, IMC and EMT.

| Threaded for Rigid Conduit and IMC Catalog Numbers | | | | | Threadless Rigid and IMC Catalog Numbers | EMT Catalog Numbers |
|--|---|-------------------------------|----------------------|---------|--|---|
| Trade Size (Inches) | Malleable Iron or Steel/ Zinc Plated | Hot-Dip Mechanical Galvanized | Copper Free Aluminum | Bronze | Malleable Iron or Steel/ Zinc Plated | Malleable Iron or Steel/ Zinc Plated |
| 1/2 | B-50 | HB-50 | AB-50 | RB-50 | SB-50 | SBT-50 |
| 3/4 | B-75 | HB-75 | AB-75 | RB-75 | SB-75 | SBT-75 |
| 1 | B-100 | HB-100 | AB-100 | RB-100 | SB-100 | SBT-100 |
| 1-1/4 | B-125 | HB-125 | AB-125 | RB-125 | SB-125 | SBT-125 |
| 1-1/2 | B-150 | HB-150 | AB-150 | RB-150 | SB-150 | SBT-150 |
| 2 | B-200 | HB-200 | AB-200 | RB-200 | SB-200 | SBT-200 |
| 2-1/2 | B-250 | HB-250 | AB-250 | RB-250 | SB-250 | SB-250 |
| 3 | B-300 | HB-300 | AB-300 | RB-300 | SB-300 | SB-300 |
| 3-1/2 | B-350 | HB-350 | AB-350 | RB-350B | SB-350 | SB-350 |
| 4 | B-400 | HB-400 | AB-400 | RB-400 | SB-400 | SB-400 |
| 5 | B-500 | HB-500 | AB-500 | RB-500 | SB-500 | |
| 6 | B-600 | HB-600 | AB-600 | RB-600 | SB-600 | |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | |
|---------------------|------------------------------------|----------------|
| | Max. Dia. | Overall Height |
| 1/2 | 28.7 (1.13) | 38.1 (1.5) |
| 3/4 | 35.05 (1.38) | 16 (0.63) |
| 1 | 41.4 (1.63) | 19.05 (0.75) |
| 1-1/4 | 50.8 (2) | 19.05 (0.75) |
| 1-1/2 | 57.15 (2.25) | 19.05 (0.75) |
| 2 | 69.85 (2.75) | 22.35 (0.88) |
| 2-1/2 | 82.55 (3.25) | 25.4 (1) |
| 3 | 101.6 (4) | 25.4 (1) |
| 3-1/2 | 114.3 (4.5) | 25.4 (1) |
| 4 | 127 (5) | 28.7 (1.13) |
| 5 | 158.75 (6.25) | 31.75 (1.25) |
| 6 | 187.45 (7.38) | 35.05 (1.38) |

Type BLG and Type HBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

Applications

- To provide a compact means of grounding conduit through an Insulated Bushing.
- To protect insulated conductors from abrasion during pulling and mechanical vibration.
- To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features

- Tin plated copper saddle for use with copper or aluminum conductors from #8 to 4/0.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

Standard Materials

Type BLG:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron

Type HBLG:

- 1/2" and 3/4" - Steel
- 1" to 6" - Malleable iron

Standard Finishes

Type BLG:

- 1/2" and 3/4", 1" to 6" - Zinc plated with stainless steel screws

Type HBLG:

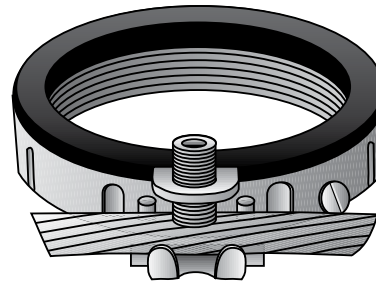
- 1/2" and 3/4", 1" to 6" - Mechanical/Hot dip galvanized with stainless steel screws

Options

- Type BLG grounding bushings are also available for use on threadless conduit in Malleable Iron/Hot Dip Mechanically Galvanized - Specify Type HSBLG. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B, 467, 468
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 015978
- NEMA: FB-1



Type BLG
Threaded

Type BLG and Type HBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

| Trade Size (Inches) | Grounding Wire Size ^① | | Dimensions in Millimeters (Inches) | | | Zinc Plated Catalog Number | Hot Dip/ Mechanical Galvanized Catalog Number |
|------------------------|----------------------------------|------|------------------------------------|--------------|-------------------------------|----------------------------------|---|
| | Min. | Max. | Max. Dia. without lug | Max. Ht. | Turning Radius with lug | | |
| 1/2 | 14 | 4 | 28.7 (1.13) | 12.7 (0.5) | 28.7 (1.13) | BLG-0504 | HBLG-0504 |
| 1/2 | 8 | 2/0 | 28.7 (1.13) | 12.7 (0.5) | 38.1 (1.5) | BLG-0522 | HBLG-0522 |
| 3/4 | 14 | 4 | 35.05 (1.38) | 16 (0.63) | 31.75 (1.25) | BLG-0704 | HBLG-0704 |
| 3/4 | 8 | 2/0 | 35.05 (1.38) | 16 (0.63) | 38.1 (1.5) | BLG-0722 | HBLG-0722 |
| 1 | 14 | 4 | 41.4 (1.63) | 19.05 (0.75) | 35.05 (1.38) | BLG-1104 | HBLG-1104 |
| 1 | 8 | 2/0 | 41.4 (1.63) | 19.05 (0.75) | 41.4 (1.63) | BLG-1122 | HBLG-1122 |
| 1-1/4 | 14 | 4 | 50.8 (2) | 19.05 (0.75) | 38.1 (1.5) | BLG-1204 | HBLG-1204 |
| 1-1/4 | 8 | 2/0 | 50.8 (2) | 19.05 (0.75) | 44.45 (1.75) | BLG-1222 | HBLG-1222 |
| 1-1/2 | 14 | 4 | 57.15 (2.25) | 19.05 (0.75) | 41.4 (1.63) | BLG-1504 | HBLG-1504 |
| 1-1/2 | 8 | 2/0 | 57.15 (2.25) | 19.05 (0.75) | 47.75 (1.88) | BLG-1522 | HBLG-1522 |
| 2 | 14 | 4 | 69.85 (2.75) | 22.35 (0.88) | 50.8 (2) | BLG-2004 | HBLG-2004 |
| 2 | 8 | 2/0 | 69.85 (2.75) | 22.35 (0.88) | 57.15 (2.25) | BLG-2022 | HBLG-2022 |
| 2-1/2 | 14 | 4 | 82.55 (3.25) | 25.4 (1) | 54.1 (2.13) | BLG-2604 | HBLG-2604 |
| 2-1/2 | 8 | 2/0 | 82.55 (3.25) | 25.4 (1) | 63.5 (2.5) | BLG-2622 | HBLG-2622 |
| 2-1/2 | 6 | 4/0 | 82.55 (3.25) | 25.4 (1) | 69.85 (2.75) | BLG-2624 | HBLG-2624 |
| 2-1/2 | 250 | 500 | 82.55 (3.25) | 25.4 (1) | 87.38 (3.44) | BLG-2650 | HBLG-2650 |
| 3 | 14 | 4 | 101.6 (4) | 25.4 (1) | 63.5 (2.5) | BLG-3104 | HBLG-3104 |
| 3 | 8 | 2/0 | 101.6 (4) | 25.4 (1) | 69.85 (2.75) | BLG-3122 | HBLG-3122 |
| 3 | 6 | 4/0 | 101.6 (4) | 25.4 (1) | 79.5 (3.13) | BLG-3124 | HBLG-3124 |
| 3 | 250 | 500 | 101.6 (4) | 25.4 (1) | 95.25 (3.75) | BLG-3150 | HBLG-3150 |
| 3-1/2 | 14 | 4 | 114.3 (4.5) | 25.4 (1) | 69.85 (2.75) | BLG-3604 | HBLG-3604 |
| 3-1/2 | 8 | 2/0 | 114.3 (4.5) | 25.4 (1) | 76.2 (3) | BLG-3622 | HBLG-3622 |
| 3-1/2 | 6 | 4/0 | 114.3 (4.5) | 25.4 (1) | 85.85 (3.38) | BLG-3624 | HBLG-3624 |
| 3-1/2 | 250 | 500 | 114.3 (4.5) | 25.4 (1) | 101.6 (4) | BLG-3650 | HBLG-3650 |
| 4 | 14 | 4 | 127 (5) | 28.7 (1.13) | 76.2 (3) | BLG-4104 | HBLG-4104 |
| 4 | 8 | 2/0 | 127 (5) | 28.7 (1.13) | 92.2 (3.63) | BLG-4122 | HBLG-4122 |
| 4 | 6 | 4/0 | 127 (5) | 28.7 (1.13) | 92.2 (3.63) | BLG-4124 | HBLG-4124 |
| 4 | 250 | 500 | 127 (5) | 28.7 (1.13) | 107.95 (4.25) | BLG-4150 | HBLG-4150 |
| 5 | 14 | 4 | 158.75 (6.25) | 31.75 (1.25) | 95.25 (3.75) | BLG-5104 | HBLG-5104 |
| 5 | 8 | 2/0 | 158.75 (6.25) | 31.75 (1.25) | 101.6 (4) | BLG-5122 | HBLG-5122 |
| 5 | 6 | 4/0 | 158.75 (6.25) | 31.75 (1.25) | 107.95 (4.25) | BLG-5124 | HBLG-5124 |
| 5 | 250 | 500 | 158.75 (6.25) | 31.75 (1.25) | 127 (5) | BLG-5150 | HBLG-5150 |
| 6 | 14 | 4 | 187.45 (7.38) | 35.05 (1.38) | 107.95 (4.25) | BLG-6104 | HBLG-6104 |
| 6 | 8 | 2/0 | 187.45 (7.38) | 35.05 (1.38) | 114.3 (4.5) | BLG-6122 | HBLG-6122 |
| 6 | 6 | 4/0 | 187.45 (7.38) | 35.05 (1.38) | 123.95 (4.88) | BLG-6124 | HBLG-6124 |
| 6 | 250 | 500 | 187.45 (7.38) | 35.05 (1.38) | 138.18 (5.44) | BLG-6150 | HBLG-6150 |

^①Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 lug.

Type ABLG and Type RBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

Applications

- To provide a compact means of grounding conduit through an Insulated Bushing.
- To protect insulated conductors from abrasion during pulling and mechanical vibration.
- To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features

- Tin plated copper saddle for use with copper or aluminum conductors from #8 to 4/0.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

Standard Materials

Type ABLG:

- Aluminum bushing with stainless steel screws

Type HRBLG:

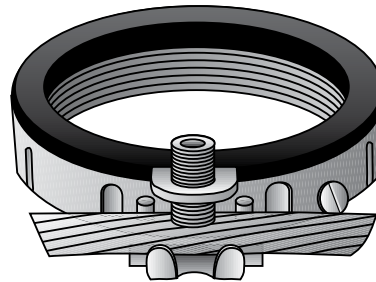
- Bronze bushing with stainless steel screws

Options

- Type ABLG grounding bushings are also available for threadless conduit in bronze and/or aluminum. Specify: Type RSBLG for bronze bushings or Type ASBLG for aluminum bushings. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B, 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 015978
- NEMA: FB-1



**Type ABLG
Threaded**

Type ABLG and Type RBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

| Trade Size (Inches) | Grounding Wire Size ^① | | Dimensions in Millimeters (Inches) | | | Copper Free Aluminum Catalog Number | Bronze Catalog Number |
|------------------------|----------------------------------|------|------------------------------------|--------------|-------------------------------|--|-----------------------------|
| | Min. | Max. | Max. Dia. without lug | Max. Ht. | Turning Radius with lug | | |
| 1/2 | 14 | 4 | 28.7 (1.13) | 12.7 (0.5) | 28.7 (1.13) | ABLG-0504 | RBLG-0504 |
| 1/2 | 8 | 2/0 | 28.7 (1.13) | 12.7 (0.5) | 38.1 (1.5) | ABLG-0522 | RBLG-0522 |
| 3/4 | 14 | 4 | 44.45 (1.75) | 16 (0.63) | 31.75 (1.25) | ABLG-0704 | RBLG-0704 |
| 3/4 | 8 | 2/0 | 35.05 (1.38) | 16 (0.63) | 38.1 (1.5) | ABLG-0722 | RBLG-0722 |
| 1 | 14 | 4 | 41.4 (1.63) | 19.05 (0.75) | 35.05 (1.38) | ABLG-1104 | RBLG-1104 |
| 1 | 8 | 2/0 | 41.4 (1.63) | 19.05 (0.75) | 41.4 (1.63) | ABLG-1122 | RBLG-1122 |
| 1-1/4 | 14 | 4 | 50.8 (2) | 19.05 (0.75) | 38.1 (1.5) | ABLG-1204 | RBLG-1204 |
| 1-1/4 | 8 | 2/0 | 50.8 (2) | 19.05 (0.75) | 44.45 (1.75) | ABLG-1222 | RBLG-1222 |
| 1 1/2 | 14 | 4 | 57.15 (2.25) | 19.05 (0.75) | 41.4 (1.63) | ABLG-1504 | RBLG-1504 |
| 1 1/2 | 8 | 2/0 | 57.15 (2.25) | 19.05 (0.75) | 47.75 (1.88) | ABLG-1522 | RBLG-1522 |
| 2 | 14 | 4 | 69.85 (2.75) | 22.35 (0.88) | 50.8 (2) | ABLG-2004 | RBLG-2004 |
| 2 | 8 | 2/0 | 69.85 (2.75) | 22.35 (0.88) | 57.15 (2.25) | ABLG-2022 | RBLG-2022 |
| 2 1/2 | 14 | 4 | 82.55 (3.25) | 25.4 (1) | 54.1 (2.13) | ABLG-2604 | RBLG-2604 |
| 2 1/2 | 8 | 2/0 | 82.55 (3.25) | 25.4 (1) | 63.5 (2.5) | ABLG-2622 | RBLG-2622 |
| 2 1/2 | 6 | 4/0 | 82.55 (3.25) | 25.4 (1) | 69.85 (2.75) | ABLG-2624 | RBLG-2624 |
| 2 1/2 | 250 | 500 | 82.55 (3.25) | 25.4 (1) | 87.38 (3.44) | — | RBLG-2650 |
| 3 | 14 | 4 | 101.6 (4) | 25.4 (1) | 63.5 (2.5) | ABLG-3104 | RBLG-3104 |
| 3 | 8 | 2/0 | 101.6 (4) | 25.4 (1) | 69.85 (2.75) | ABLG-3122 | RBLG-3122 |
| 3 | 6 | 4/0 | 101.6 (4) | 25.4 (1) | 79.5 (3.13) | ABLG-3124 | RBLG-3124 |
| 3 | 250 | 500 | 101.6 (4) | 25.4 (1) | 95.25 (3.75) | — | RBLG-3150 |
| 3 1/2 | 14 | 4 | 114.3 (4.5) | 25.4 (1) | 69.85 (2.75) | ABLG-3604 | RBLG-3604 |
| 3 1/2 | 8 | 2/0 | 114.3 (4.5) | 25.4 (1) | 76.2 (3) | ABLG-3622 | RBLG-3622 |
| 3 1/2 | 6 | 4/0 | 114.3 (4.5) | 25.4 (1) | 85.85 (3.38) | ABLG-3624 | RBLG-3624 |
| 3 1/2 | 250 | 500 | 114.3 (4.5) | 25.4 (1) | 101.6 (4) | — | RBLG-3650 |
| 4 | 14 | 4 | 127 (5) | 28.7 (1.13) | 76.2 (3) | ABLG-4104 | RBLG-4104 |
| 4 | 8 | 2/0 | 127 (5) | 28.7 (1.13) | 92.2 (3.63) | ABLG-4122 | RBLG-4122 |
| 4 | 6 | 4/0 | 127 (5) | 28.7 (1.13) | 92.2 (3.63) | ABLG-4124 | RBLG-4124 |
| 4 | 250 | 500 | 127 (5) | 28.7 (1.13) | 107.95 (4.25) | — | RBLG-4150 |
| 5 | 14 | 4 | 158.75 (6.25) | 31.75 (1.25) | 95.25 (3.75) | ABLG-5104 | RBLG-5104 |
| 5 | 8 | 2/0 | 158.75 (6.25) | 31.75 (1.25) | 101.6 (4) | ABLG-5122 | RBLG-5122 |
| 5 | 6 | 4/0 | 158.75 (6.25) | 31.75 (1.25) | 107.95 (4.25) | ABLG-5124 | RBLG-5124 |
| 5 | 250 | 500 | 158.75 (6.25) | 31.75 (1.25) | 127 (5) | — | RBLG-5150 |
| 6 | 14 | 4 | 187.45 (7.38) | 35.05 (1.38) | 107.95 (4.25) | ABLG-6104 | RBLG-6104 |
| 6 | 8 | 2/0 | 187.45 (7.38) | 35.05 (1.38) | 114.3 (4.5) | ABLG-6122 | RBLG-6122 |
| 6 | 6 | 4/0 | 187.45 (7.38) | 35.05 (1.38) | 123.95 (4.88) | ABLG-6124 | RBLG-6124 |
| 6 | 250 | 500 | 187.45 (7.38) | 35.05 (1.38) | 138.18 (5.44) | — | RBLG-6150 |

① Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 lug.

Type SBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

Applications

- Provides a compact means of grounding conduit through an insulated bushing.
- Protects insulated conductors from abrasion during pulling and mechanical vibration.
- Provides voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features

- Tin plated copper saddle for use with copper or aluminum conductors.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C UL rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

Standard Materials

- Bushings 1/2" and 3/4" - Steel
- Bushings 1" to 6" - Malleable iron
- Grounding Saddle - Tin plated copper
- Clamping tension body - Stainless steel
- All Screws - Stainless steel

Standard Finishes

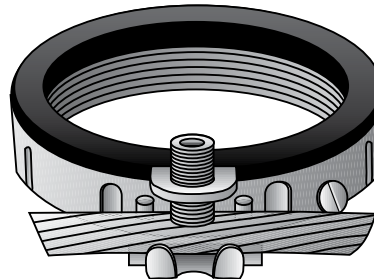
- Bushings 1/2" and 3/4" - Zinc plated
- Bushings 1" to 6" - Zinc plated

Options

- Type BLG grounding bushings are also available for use on threadless conduit in Malleable Iron/Hot Dip Mechanically Galvanized - Specify Type HSBLG. Contact your local representative for pricing and availability.
- Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B, 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 065183
- NEMA Standard: FB-1



Type SBLG
Threaded

Type SBLG Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit and IMC.

| Trade Size (Inches) | Grounding Wire Size ^① | | Dimensions in Millimeters (Inches) | | | Copper Free Aluminum Catalog Number |
|------------------------|----------------------------------|------|------------------------------------|--------------|-------------------------------|--|
| | Min. | Max. | Max. Dia. without lug | Max. Ht. | Turning Radius with lug | |
| 1/2 | 14 | 4 | 28.7 (1.13) | 12.7 (0.5) | 28.7 (1.13) | SBLG-0504 |
| 1/2 | 8 | 2/0 | 28.7 (1.13) | 12.7 (0.5) | 38.1 (1.5) | SBLG-0522 |
| 3/4 | 14 | 4 | 35.05 (1.38) | 16 (0.63) | 31.75 (1.25) | SBLG-0704 |
| 3/4 | 8 | 2/0 | 35.05 (1.38) | 16 (0.63) | 38.1 (1.5) | SBLG-0722 |
| 1 | 14 | 4 | 41.4 (1.63) | 19.05 (0.75) | 35.05 (1.38) | SBLG-1104 |
| 1 | 8 | 2/0 | 41.4 (1.63) | 19.05 (0.75) | 41.4 (1.63) | SBLG-1122 |
| 1-1/4 | 14 | 4 | 50.8 (2) | 19.05 (0.75) | 38.1 (1.5) | SBLG-1204 |
| 1-1/4 | 8 | 2/0 | 50.8 (2) | 19.05 (0.75) | 44.45 (1.75) | SBLG-1222 |
| 1-1/2 | 14 | 4 | 57.15 (2.25) | 19.05 (0.75) | 41.4 (1.63) | SBLG-1504 |
| 1-1/2 | 8 | 2/0 | 57.15 (2.25) | 19.05 (0.75) | 47.75 (1.88) | SBLG-1522 |
| 2 | 14 | 4 | 69.85 (2.75) | 22.35 (0.88) | 50.8 (2) | SBLG-2004 |
| 2 | 8 | 2/0 | 69.85 (2.75) | 22.35 (0.88) | 57.15 (2.25) | SBLG-2022 |
| 2-1/2 | 14 | 4 | 82.55 (3.25) | 25.4 (1) | 54.1 (2.13) | SBLG-2604 |
| 2-1/2 | 8 | 2/0 | 82.55 (3.25) | 25.4 (1) | 63.5 (2.5) | SBLG-2622 |
| 2-1/2 | 6 | 4/0 | 82.55 (3.25) | 25.4 (1) | 69.85 (2.75) | SBLG-2624 |
| 3 | 14 | 4 | 101.6 (4) | 25.4 (1) | 63.5 (2.5) | SBLG-3104 |
| 3 | 8 | 2/0 | 101.6 (4) | 25.4 (1) | 69.85 (2.75) | SBLG-3122 |
| 3 | 6 | 4/0 | 101.6 (4) | 25.4 (1) | 79.5 (3.13) | SBLG-3124 |
| 3-1/2 | 14 | 4 | 114.3 (4.5) | 25.4 (1) | 69.85 (2.75) | SBLG-3604 |
| 3-1/2 | 8 | 2/0 | 114.3 (4.5) | 25.4 (1) | 76.2 (3) | SBLG-3622 |
| 3-1/2 | 6 | 4/0 | 114.3 (4.5) | 25.4 (1) | 85.85 (3.38) | SBLG-3624 |
| 4 | 14 | 4 | 127 (5) | 28.7 (1.13) | 76.2 (3) | SBLG-4104 |
| 4 | 8 | 2/0 | 127 (5) | 28.7 (1.13) | 85.85 (3.38) | SBLG-4122 |
| 4 | 6 | 4/0 | 127 (5) | 28.7 (1.13) | 92.2 (3.63) | SBLG-4124 |
| 5 | 14 | 4 | 158.75 (6.25) | 31.75 (1.25) | 95.25 (3.75) | SBLG-5104 |
| 5 | 8 | 2/0 | 158.75 (6.25) | 31.75 (1.25) | 101.6 (4) | SBLG-5122 |
| 5 | 6 | 4/0 | 158.75 (6.25) | 31.75 (1.25) | 107.95 (4.25) | SBLG-5124 |
| 6 | 14 | 4 | 187.45 (7.38) | 35.05 (1.38) | 107.95 (4.25) | SBLG-6104 |
| 6 | 8 | 2/0 | 187.45 (7.38) | 35.05 (1.38) | 114.3 (4.5) | SBLG-6122 |
| 6 | 6 | 4/0 | 187.45 (7.38) | 35.05 (1.38) | 123.95 (4.88) | SBLG-6124 |

^①Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 lug.

Insulating Bushings

For Threaded Rigid Conduit and IMC.

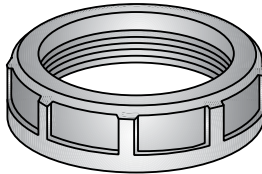
Type A

Applications

- To insulate end of threaded rigid and IMC.

NEC/CEC Certifications and Compliances

- UL Listed: E-11853
- CSA Certified: 065183



Type A

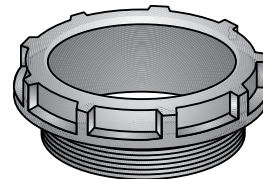
Type BB

Applications

- To insulate cables passing through metal boxes or troughs.

NEC/CEC Certifications and Compliances

- UL Listed: E-20933
- CSA Certified: 11584



Type BB

| Dimensions in Millimeters (Inches) | | | |
|------------------------------------|---------------|----------------|----------------|
| Trade Size (Inches) | Outside Dia. | Overall Height | Catalog Number |
| 1/2 | 28.7 (1.13) | 12.7 (0.5) | A-50 |
| 3/4 | 35.05 (1.38) | 12.7 (0.5) | A-75 |
| 1 | 44.45 (1.75) | 16 (0.63) | A-100 |
| 1-1/4 | 54.1 (2.13) | 19.05 (0.75) | A-125 |
| 1-1/2 | 60.45 (2.38) | 19.05 (0.75) | A-150 |
| 2 | 73.15 (2.88) | 19.05 (0.75) | A-200 |
| 2-1/2 | 85.85 (3.38) | 22.35 (0.88) | A-250 |
| 3 | 101.6 (4) | 22.35 (0.88) | A-300 |
| 3-1/2 | 117.6 (4.63) | 22.35 (0.88) | A-350 |
| 4 | 130.3 (5.13) | 22.35 (0.88) | A-400 |
| 5 | 158.75 (6.25) | 28.7 (1.13) | A-500 |
| 6 | 187.45 (7.38) | 28.7 (1.13) | A-600 |

| Dimensions in Millimeters (Inches) | | | | |
|------------------------------------|---------------|-------------------|---------------|----------------|
| Trade Size (Inches) | Outside Dia. | Bushing Hole Dia. | Thread Length | Catalog Number |
| 1/2 | 28.7 (1.13) | 16.0 (0.63) | 9.65 (0.38) | BB-50 |
| 3/4 | 35.05 (1.38) | 19.05 (0.75) | 9.65 (0.38) | BB-75 |
| 1 | 44.45 (1.75) | 25.4 (1.0) | 12.7 (0.5) | BB-100 |
| 1-1/4 | 54.1 (2.13) | 31.75 (1.25) | 12.7 (0.5) | BB-125 |
| 1-1/2 | 60.45 (2.38) | 38.1 (1.5) | 12.7 (0.5) | BB-150 |
| 2 | 73.15 (2.88) | 50.8 (2.0) | 12.7 (0.5) | BB-200 |
| 2-1/2 | 85.85 (3.38) | 60.45 (2.38) | 16.0 (0.63) | BB-250 |
| 3 | 101.6 (4.0) | 76.2 (3.0) | 16.0 (0.63) | BB-300 |
| 3-1/2 | 117.6 (4.63) | 88.9 (3.5) | 16.0 (0.63) | BB-350 |
| 4 | 130.3 (5.13) | 98.55 (3.88) | 16.0 (0.63) | BB-400 |
| 5 | 158.75 (6.25) | 123.95 (4.88) | 19.05 (0.75) | BB-500 |
| 6 | 187.45 (7.38) | 149.35 (5.88) | 19.05 (0.75) | BB-600 |

Insulating Bushings

For Threaded Rigid Conduit and IMC.

Type ABB

Applications

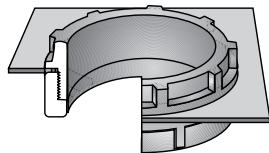
- A combination of Type "A" and "BB" Bushings. For insulating cables passing through metal boxes or troughs.

Features

- High impact black thermosetting phenolic bushings, with at 150 °C (302 °F) UL temperature rating, that will not soften, melt or burn.

NEC/CEC Certifications and Compliances

- UL Listed: E-20933
- CSA Certified: 011584
- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18
- NEMA Standard: FB-1



Type ABB

| Dimensions in Millimeters (Inches) | | | | | | | |
|------------------------------------|---------------|---------------|---------------|--------------------|--------------|------------------|----------------|
| Trade Size (Inches) | Outside Dia. | Hole Dia. | Thread Length | Shd. Ht. Type "BB" | Type "A" | Max. Encl. Thick | Catalog Number |
| 1/2 | 28.7 (1.13) | 16.0 (0.63) | 9.65 (0.38) | 6.35 (0.25) | 12.7 (0.5) | 3.3 (0.13) | ABB-50 |
| 3/4 | 35.05 (1.38) | 19.05 (0.75) | 9.65 (0.38) | 6.35 (0.25) | 12.7 (0.5) | 3.3 (0.13) | ABB-75 |
| 1 | 44.45 (1.75) | 25.4 (1.0) | 12.7 (0.5) | 9.65 (0.38) | 16.0 (0.63) | 6.35 (0.25) | ABB-100 |
| 1-1/4 | 54.1 (2.13) | 31.75 (1.25) | 12.7 (0.5) | 9.65 (0.38) | 19.05 (0.75) | 6.35 (0.25) | ABB-125 |
| 1-1/2 | 60.45 (2.38) | 38.1 (1.5) | 12.7 (0.5) | 9.65 (0.38) | 19.05 (0.75) | 6.35 (0.25) | ABB-150 |
| 2 | 73.15 (2.88) | 50.8 (2.0) | 12.7 (0.5) | 12.7 (0.5) | 19.05 (0.75) | 6.35 (0.25) | ABB-200 |
| 2-1/2 | 85.85 (3.38) | 60.45 (2.38) | 16.0 (0.63) | 12.7 (0.5) | 22.35 (0.88) | 6.35 (0.25) | ABB-250 |
| 3 | 101.6 (4.0) | 76.2 (3.0) | 16.0 (0.63) | 12.7 (0.5) | 22.35 (0.88) | 6.35 (0.25) | ABB-300 |
| 3 -/2 | 117.6 (4.63) | 88.9 (3.5) | 16.0 (0.63) | 12.7 (0.5) | 22.35 (0.88) | 6.35 (0.25) | ABB-350 |
| 4 | 130.3 (5.13) | 98.55 (3.88) | 16.0 (0.63) | 12.7 (0.5) | 22.35 (0.88) | 6.35 (0.25) | ABB-400 |
| 5 | 158.75 (6.25) | 123.95 (4.88) | 19.05 (0.75) | 12.7 (0.5) | 28.7 (1.13) | 6.35 (0.25) | ABB-500 |
| 6 | 187.45 (7.38) | 149.35 (5.88) | 19.05 (0.75) | 12.7 (0.5) | 28.7 (1.13) | 6.35 (0.25) | ABB-600 |

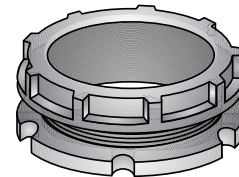
Type BBL

Applications

- Type BB provided with a steel locknut.

NEC/CEC Certifications and Compliances

- UL Listed: E-20933
- CSA Certified: 11584



Type BBL

| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|----------------------|---------------|-----------------------|---------------|----------------|
| Trade Size (Inches) | Bushing Outside Dia. | Hole Dia. | Locknut Thread Length | Max Dia. | Catalog Number |
| 1/2 | 16.0 (0.63) | 16.0 (0.63) | 9.65 (0.38) | 28.7 (1.13) | BBL-50 |
| 3/4 | 19.05 (0.75) | 19.05 (0.75) | 9.65 (0.38) | 38.1 (1.5) | BBL-75 |
| 1 | 25.4 (1.0) | 25.4 (1.0) | 12.7 (0.5) | 44.45 (1.75) | BBL-100 |
| 1-1/4 | 31.75 (1.25) | 31.75 (1.25) | 12.7 (0.5) | 60.45 (2.38) | BBL-125 |
| 1-1/2 | 38.1 (1.5) | 38.1 (1.5) | 12.7 (0.5) | 66.8 (2.63) | BBL-150 |
| 2 | 50.8 (2.0) | 50.8 (2.0) | 12.7 (0.5) | 79.5 (3.13) | BBL-200 |
| 2-1/2 | 60.45 (2.38) | 60.45 (2.38) | 16.0 (0.63) | 92.2 (3.63) | BBL-250 |
| 3 | 76.2 (3.0) | 76.2 (3.0) | 16 (0.63) | 111.25 (4.38) | BBL-300 |
| 3-1/2 | 88.9 (3.5) | 88.9 (3.5) | 16.0 (0.63) | 127.0 (5.0) | BBL-350 |
| 4 | 98.55 (3.88) | 98.55 (3.88) | 16.0 (0.63) | 139.7 (5.5) | BBL-400 |
| 5 | 123.95 (4.88) | 123.95 (4.88) | 19.05 (0.75) | 174.75 (6.88) | BBL-500 |
| 6 | 149.35 (5.88) | 149.35 (5.88) | 19.05 (0.75) | 203.2 (8.0) | BBL-600 |

Type ICC Phenolic Insulating Couplings

For Threaded Rigid Conduit and IMC.

Applications

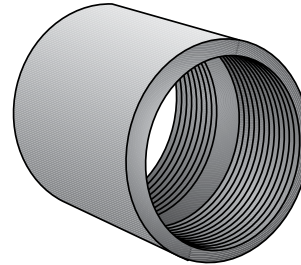
- An insulating coupling having a substantial center shoulder, which prevents butting of the conduits, to assure a definite break in the metallic path.
- The Type ICC is recommended for use where high strength or resistance to moisture or acid conditions is required.

Features

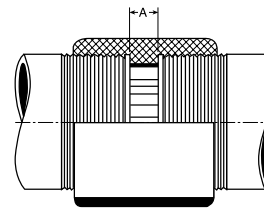
- Will not melt, soften or burn
- Temperature rating 150 °C (302 °F)
- Dielectric strength of 220 V/mil.
- Tapered threads (NPT)

Standard Materials

- Canvas base phenolic (black).



Type ICC



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|----------------|--------------|-------------------|
| | Maximum Diameter | Overall Length | "A" Shoulder | |
| 1/2 | 28.7 (1.13) | 35.05 (1.38) | 9.65 (0.38) | ICC-50 |
| 3/4 | 33.27 (1.31) | 38.1 (1.5) | 9.65 (0.38) | ICC-75 |
| 1 | 41.4 (1.63) | 44.45 (1.75) | 9.65 (0.38) | ICC-100 |
| 1-1/4 | 50.8 (2.0) | 47.75 (1.88) | 9.65 (0.38) | ICC-125 |
| 1-1/2 | 57.15 (2.25) | 50.8 (2.0) | 9.65 (0.38) | ICC-150 |
| 2 | 69.85 (2.75) | 54.1 (2.13) | 9.65 (0.38) | ICC-200 |
| 2-1/2 | 82.55 (3.25) | 79.5 (3.13) | 16.0 (0.63) | ICC-250 |
| 3 | 98.55 (3.88) | 82.55 (3.25) | 16.0 (0.63) | ICC-300 |
| 3-1/2 | 111.25 (4.38) | 85.85 (3.38) | 16.0 (0.63) | ICC-350 |
| 4 | 127.0 (5.0) | 92.2 (3.63) | 16.0 (0.63) | ICC-400 |
| 5 | 158.75 (6.25) | 101.6 (4.0) | 19.05 (0.75) | ICC-500 |
| 6 | 184.15 (7.25) | 107.95 (4.25) | 19.05 (0.75) | ICC-600 |

Malleable Iron Conduit Bushings

For Threaded Rigid Conduit and IMC.

Type 2

Standard Materials

- Malleable iron

Standard Finishes

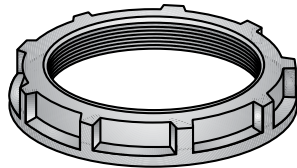
- Zinc plated

Options

- Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type 2

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | Max. Dia. | Height | |
| 1/2 | 26.16 (1.03) | 9.65 (0.38) | 2-50 |
| 3/4 | 31.75 (1.25) | 11.18 (0.44) | 2-75 |
| 1 | 39.62 (1.56) | 12.7 (0.5) | 2-100 |
| 1-1/4 | 50.8 (2.0) | 16.0 (0.63) | 2-125 |
| 1-1/2 | 54.86 (2.16) | 16.0 (0.63) | 2-150 |
| 2 | 66.8 (2.63) | 16.0 (0.63) | 2-200 |
| 2-1/2 | 81.03 (3.19) | 19.05 (0.75) | 2-250 |
| 3 | 96.77 (3.81) | 23.88 (0.94) | 2-300 |
| 3-1/2 | 112.78 (4.44) | 23.88 (0.94) | 2-350 |
| 4 | 125.48 (4.94) | 26.92 (1.06) | 2-400 |
| 5 | 152.4 (6.0) | 30.23 (1.19) | 2-500 |
| 6 | 187.45 (7.38) | 33.27 (1.31) | 2-600 |

Type 3: Capped Bushings

Features

- Bushings are supplied with plastic insert cap.

Standard Materials

- Malleable iron

Standard Finishes

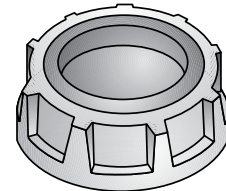
- Zinc plated

Options

- Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type 3

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | Max. Dia. | Height | |
| 1/2 | 26.16 (1.03) | 9.65 (0.38) | 3-50 |
| 3/4 | 31.75 (1.25) | 11.18 (0.44) | 3-75 |
| 1 | 39.62 (1.56) | 12.7 (0.5) | 3-100 |
| 1-1/4 | 50.8 (2.0) | 16.0 (0.63) | 3-125 |
| 1-1/2 | 54.86 (2.16) | 16.0 (0.63) | 3-150 |
| 2 | 66.8 (2.63) | 16.0 (0.63) | 3-200 |
| 2-1/2 | 81.03 (3.19) | 19.05 (0.75) | 3-250 |
| 3 | 96.77 (3.81) | 23.88 (0.94) | 3-300 |
| 3-1/2 | 112.78 (4.44) | 23.88 (0.94) | 3-350 |
| 4 | 125.48 (4.94) | 26.92 (1.06) | 3-400 |
| 5 | 152.4 (6.0) | 30.23 (1.19) | 3-500 |
| 6 | 187.45 (7.38) | 33.27 (1.31) | 3-600 |

Insulating Bushings

For Threaded Rigid Conduit and IMC.

Type IB

Features

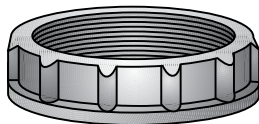
- Temperature rating 105 °C (221 °F).

Standard Materials

- Polypropylene (gray)

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 057250



Type IB

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|----------------|-------------------|
| | Max. Dia. | Max. Height | |
| 1/2 | 26.92 (1.06) | 9.65 (0.38) | IB-50 |
| 3/4 | 33.27 (1.31) | 11.18 (0.44) | IB-75 |
| 1 | 39.62 (1.56) | 14.22 (0.56) | IB-100 |
| 1-1/4 | 50.8 (2.0) | 14.22 (0.56) | IB-125 |
| 1-1/2 | 57.15 (2.25) | 14.22 (0.56) | IB-150 |
| 2 | 73.15 (2.88) | 16.0 (0.63) | IB-200 |
| 2-1/2 | 85.85 (3.38) | 19.05 (0.75) | IB-250 |
| 3 | 103.12 (4.06) | 19.05 (0.75) | IB-300 |
| 3-1/2 | 117.6 (4.63) | 22.35 (0.88) | IB-350 |
| 4 | 130.3 (5.13) | 22.35 (0.88) | IB-400 |
| 5 | 160.27 (6.31) | 25.4 (1.0) | IB-500 |
| 6 | 188.98 (7.44) | 25.4 (1.0) | IB-600 |

Type PPC

Application

- To plug bushings, rigid conduit and IMC.

Features

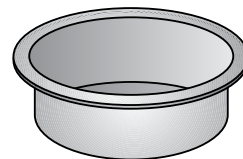
- Suitable for use on the following bushings: Type A, B, IBC, BB, IB, BLG, HB, HBLG and Type 2-series.

Standard Materials

- Polyethylene

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type PPC

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|----------------|-------------------|
| | Max. Dia. | Max. Height | |
| 1/2 | 25.4 (1.0) | 14.22 (0.56) | PPC-50 |
| 3/4 | 30.23 (1.19) | 16.0 (0.63) | PPC-75 |
| 1 | 36.58 (1.44) | 19.05 (0.75) | PPC-100 |
| 1-1/4 | 47.75 (1.88) | 19.05 (0.75) | PPC-125 |
| 1-1/2 | 50.8 (2.0) | 19.05 (0.75) | PPC-150 |
| 2 | 63.5 (2.5) | 19.05 (0.75) | PPC-200 |
| 2-1/2 | 73.15 (2.88) | 28.7 (1.13) | PPC-250 |
| 3 | 92.2 (3.63) | 22.35 (0.88) | PPC-300 |
| 3-1/2 | 101.6 (4.0) | 31.75 (1.25) | PPC-350 |
| 4 | 111.25 (4.38) | 22.35 (0.88) | PPC-400 |
| 5 | — | — | — |
| 6 | — | — | — |

Insulating Bushings

For Threaded Rigid Conduit and IMC.

Type IBC and IBC-S

Features

- UL temperature rating 150 °C (302 °F).
- Insulating liner material is UL V-O Rated (self extinguishing)
- Plastic insulator is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.

Standard Materials

- Malleable iron body
- Thermoplastic insulator

Standard Finishes

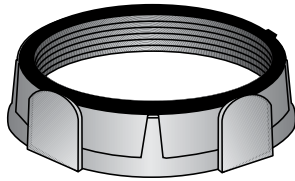
- Zinc electroplated

Optional Finish

- Threaded IBC's are available in a mechanically galvanized finish; add suffix **-G**. Contact your local representative for pricing and availability.

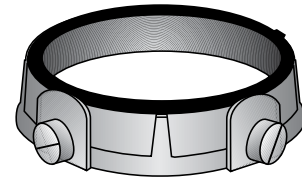
NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type IBC: Threaded (NPS)

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | Max. Dia. | Height | |
| 1/2 | 30.23 (1.19) | 12.7 (0.5) | IBC-50 |
| 3/4 | 36.58 (1.44) | 14.22 (0.56) | IBC-75 |
| 1 | 44.45 (1.75) | 16 (0.63) | IBC-100 |
| 1-1/4 | 54.1 (2.13) | 19.05 (0.75) | IBC-125 |
| 1-1/2 | 58.67 (2.31) | 22.35 (0.88) | IBC-150 |
| 2 | 71.37 (2.81) | 23.88 (0.94) | IBC-200 |
| 2-1/2 | 85.85 (3.38) | 25.4 (1) | IBC-250 |
| 3 | 103.12 (4.06) | 28.7 (1.13) | IBC-300 |
| 3-1/2 | 114.3 (4.5) | 30.23 (1.19) | IBC-350 |
| 4 | 131.83 (5.19) | 33.27 (1.31) | IBC-400 |
| 5 | 153.92 (6.06) | 33.27 (1.31) | IBC-500 |
| 6 | 184.15 (7.25) | 33.27 (1.31) | IBC-600 |



Type IBC-S: Threaded Set-Screw

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | Max. Dia. | Height | |
| 1/2 | 30.23 (1.19) | 12.7 (0.5) | IBC-50S |
| 3/4 | 36.58 (1.44) | 14.22 (0.56) | IBC-75S |
| 1 | 44.45 (1.75) | 16 (0.63) | IBC-100S |
| 1-1/4 | 54.1 (2.13) | 19.05 (0.75) | IBC-125S |
| 1-1/2 | 58.67 (2.31) | 22.35 (0.88) | IBC-150S |
| 2 | 71.37 (2.81) | 23.88 (0.94) | IBC-200S |
| 2-1/2 | 85.85 (3.38) | 25.4 (1) | IBC-250S |
| 3 | 103.12 (4.06) | 28.7 (1.13) | IBC-300S |
| 3-1/2 | 114.3 (4.5) | 30.23 (1.19) | IBC-350S |
| 4 | 131.83 (5.19) | 33.27 (1.31) | IBC-400S |
| 5 | — | — | — |
| 6 | — | — | — |

Grounding Insulated Bushings with Aluminum Lug

For Rigid Conduit and IMC.

Type IBC-L-AC

Threaded with Aluminum Lay-In Lug™

Threaded (NPS)

Type IBC-LS-AC

Set-Screw with Aluminum Lay-In Lug™

Threadless

Features

- UL temperature rating 150°C
- Insulating liner material is UL V-O Rated (self extinguishing)
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.
- Set-Screw provided with each fitting locks bushing in any desired position.
- UL Listed for use with copper or aluminum grounding conductors
- Lugs not sold separately.

Standard Materials

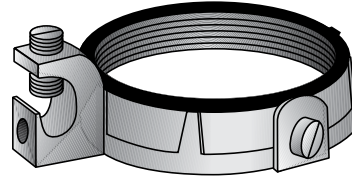
- Body - Malleable Iron
- Lug - Aluminum
- Clamping Screw - Steel
- Set Screws - Steel

Standard Finishes

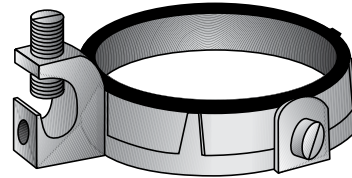
- Body - Zinc Plated
- Lug - Tin Plated
- Clamping Screw - Zinc Plated
- Set Screws - Zinc Plated

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 009795
- NEMA: FB-1



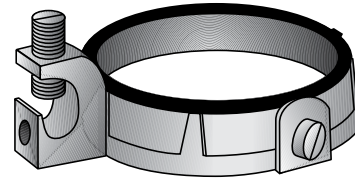
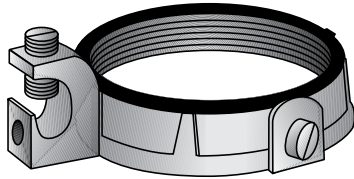
Type IBC-L-AC
Threaded



Type IBC-LS-AC
Threadless

Grounding Insulated Bushings with Aluminum Lug

For Rigid Conduit and IMC.



Type IBC-L-AC
Threaded

Type IBC-LS-AC
Threadless

| Trade Size (Inches) | Ground Wiring Size | | Dimensions in Millimeters (Inches) | | | Threaded Type Catalog Number | Threadless Set Screw Type Catalog Number |
|------------------------|--------------------|-----|------------------------------------|--------------|----------------------------|------------------------------------|--|
| | Min. | Max | Max. Dia. without lug | Max Ht. | Turning Radius with lug | | |
| 1/2 | 14 | 4 | 30.23 (1.19) | 11.18 (0.44) | 30.23 (1.19) | IBC-50L-4AC | IBC-50LS-4AC |
| 3/4 | 14 | 4 | 36.58 (1.44) | 12.7 (0.5) | 33.27 (1.31) | IBC-75L-4AC | IBC-75LS-4AC |
| 1 | 14 | 4 | 44.45 (1.75) | 14.22 (0.56) | 36.58 (1.44) | IBC-100L-4AC | IBC-100LS-4AC |
| 1 | 14 | 2/0 | 44.45 (1.75) | 14.22 (0.56) | 42.93 (1.69) | IBC-100L-20AC | IBC-100LS-20AC |
| 1-1/4 | 14 | 4 | 54.1 (2.13) | 16 (0.63) | 41.4 (1.63) | IBC-125L-4AC | IBC-125LS-4AC |
| 1-1/4 | 14 | 2/0 | 54.1 (2.13) | 16 (0.63) | 45.97 (1.81) | IBC-125L-20AC | IBC-125LS-20AC |
| 1-1/2 | 14 | 4 | 58.67 (2.31) | 17.53 (0.69) | 44.45 (1.75) | IBC-150L-4AC | IBC-150LS-4AC |
| 1-1/2 | 14 | 2/0 | 58.67 (2.31) | 17.53 (0.69) | 50.8 (2) | IBC-150L-20AC | IBC-150LS-20AC |
| 2 | 14 | 4 | 71.37 (2.81) | 19.05 (0.75) | 50.8 (2) | IBC-200L-4AC | IBC-200LS-4AC |
| 2 | 14 | 2/0 | 71.37 (2.81) | 19.05 (0.75) | 57.15 (2.25) | IBC-200L-20AC | IBC-200LS-20AC |
| 2-1/2 | 14 | 4 | 85.85 (3.38) | 22.35 (0.88) | 57.15 (2.25) | IBC-250L-4AC | IBC-250LS-4AC |
| 2-1/2 | 14 | 2/0 | 85.85 (3.38) | 22.35 (0.88) | 63.5 (2.5) | IBC-250L-20AC | IBC-250LS-20AC |
| 2-1/2 | 6 | 250 | 85.85 (3.38) | 22.35 (0.88) | 74.68 (2.94) | IBC-250L-25AC | IBC-250LS-25AC |
| 3 | 14 | 4 | 103.12 (4.06) | 33.27 (1.31) | 66.8 (2.63) | IBC-300L-4AC | IBC-300LS-4AC |
| 3 | 14 | 2/0 | 103.12 (4.06) | 33.27 (1.31) | 71.37 (2.81) | IBC-300L-20AC | IBC-300LS-20AC |
| 3 | 6 | 250 | 103.12 (4.06) | 33.27 (1.31) | 84.07 (3.31) | IBC-300L-25AC | IBC-300LS-25AC |
| 3-1/2 | 14 | 4 | 114.3 (4.5) | 25.4 (1) | 73.15 (2.88) | IBC-350L-4AC | IBC-350LS-4AC |
| 3-1/2 | 14 | 2/0 | 114.3 (4.5) | 25.4 (1) | 77.72 (3.06) | IBC-350L-20AC | IBC-350LS-20AC |
| 3 1/2 | 6 | 250 | 114.3 (4.5) | 25.4 (1) | 88.9 (3.5) | IBC-350L-25AC | IBC-350LS-25AC |
| 4 | 14 | 4 | 131.83 (5.19) | 26.92 (1.06) | 79.5 (3.13) | IBC-400L-4AC | IBC-400LS-4AC |
| 4 | 14 | 2/0 | 131.83 (5.19) | 26.92 (1.06) | 85.85 (3.38) | IBC-400L-20AC | IBC-400LS-20AC |
| 4 | 6 | 250 | 131.83 (5.19) | 26.92 (1.06) | 96.77 (3.81) | IBC-400L-25AC | IBC-400LS-25AC |
| 5 | 14 | 4 | 153.92 (6.06) | 31.75 (1.25) | 92.2 (3.63) | IBC-500L-4AC | IBC-500LS-4AC |
| 5 | 14 | 2/0 | 153.92 (6.06) | 31.75 (1.25) | 98.55 (3.88) | IBC-500L-20AC | IBC-500LS-20AC |
| 5 | 6 | 250 | 153.92 (6.06) | 31.75 (1.25) | 109.47 (4.31) | IBC-500L-25AC | IBC-500LS-25AC |
| 6 | 14 | 4 | 184.15 (7.25) | 33.27 (1.31) | 107.95 (4.25) | IBC-600L-4AC | IBC-600LS-4AC |
| 6 | 14 | 2/0 | 184.15 (7.25) | 33.27 (1.31) | 112.78 (4.44) | IBC-600L-20AC | IBC-600LS-20AC |
| 6 | 6 | 250 | 184.15 (7.25) | 33.27 (1.31) | 123.95 (4.88) | IBC-600L-25AC | IBC-600LS-25AC |

Grounding Insulated Bushings with Bronze Lug

For Rigid Conduit and IMC.

Type IBC-L-BC

Threaded with Bronze Lay-In Lug™

Threaded (NPS)

Type IBC-LS-BC

Set-Screw with Bronze Lay-In Lug™

Threadless

Features

- UL temperature rating 150°C
- Insulating liner material is UL V-O Rated (self extinguishing)
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.
- Set-Screw provided with each fitting locks bushing in any desired position.
- UL Listed for use with copper or aluminum grounding conductors
- Lugs not sold separately.

Standard Materials

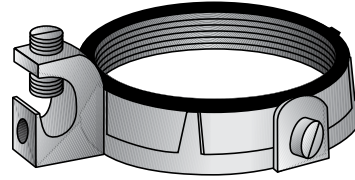
- Body - Malleable Iron
- Lug - Bronze
- Clamping Screw - Steel
- Set Screws - Steel

Standard Finishes

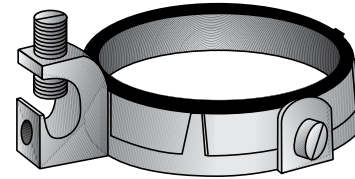
- Body - Zinc Plated
- Lug - Bright die
- Clamping Screw - Zinc Plated
- Set Screws - Zinc Plated

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 009795
- NEMA: FB-1



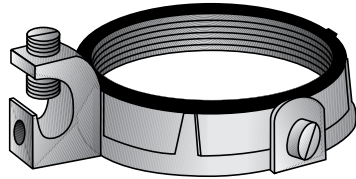
Type IBC-L-BC
Threaded



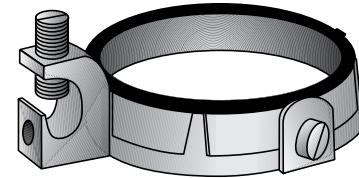
Type IBC-LS-BC
Threadless

Grounding Insulated Bushings with Bronze Lug

For Rigid Conduit and IMC.



**Type IBC-L-BC
Threaded**



**Type IBC-LS-BC
Threadless**

| Trade Size (Inches) | Ground Wiring Size | | Dimensions in Millimeters (Inches) | | | Threaded Type Catalog Number | Threadless Set Screw Type Catalog Number |
|------------------------|--------------------|-----|------------------------------------|--------------|----------------------------|------------------------------------|---|
| | Min. | Max | Max. Dia. without lug | Max Ht. | Turning Radius with lug | | |
| 1/2 | 14 | 4 | 30.23 (1.19) | 11.18 (0.44) | 30.23 (1.19) | IBC-50L-4BC | IBC-50LS-4BC |
| 3/4 | 14 | 4 | 36.58 (1.44) | 12.7 (0.5) | 33.27 (1.31) | IBC-75L-4BC | IBC-75LS-4BC |
| 1 | 14 | 4 | 44.45 (1.75) | 14.22 (0.56) | 36.58 (1.44) | IBC-100L-4BC | IBC-100LS-4BC |
| 1 | 14 | 2/0 | 44.45 (1.75) | 14.22 (0.56) | 42.93 (1.69) | IBC-100L-20BC | IBC-100LS-20BC |
| 1-1/4 | 14 | 4 | 54.1 (2.13) | 16 (0.63) | 41.4 (1.63) | IBC-125L-4BC | IBC-125LS-4BC |
| 1-1/4 | 14 | 2/0 | 54.1 (2.13) | 16 (0.63) | 45.97 (1.81) | IBC-125L-20BC | IBC-125LS-20BC |
| 1-1/2 | 14 | 4 | 58.67 (2.31) | 17.53 (0.69) | 44.45 (1.75) | IBC-150L-4BC | IBC-150LS-4BC |
| 1-1/2 | 14 | 2/0 | 58.67 (2.31) | 17.53 (0.69) | 50.8 (2) | IBC-150L-20BC | IBC-150LS-20BC |
| 2 | 14 | 4 | 71.37 (2.81) | 19.05 (0.75) | 50.8 (2) | IBC-200L-4BC | IBC-200LS-4BC |
| 2 | 14 | 2/0 | 71.37 (2.81) | 19.05 (0.75) | 57.15 (2.25) | IBC-200L-20BC | IBC-200LS-20BC |
| 2-1/2 | 14 | 4 | 85.85 (3.38) | 22.35 (0.88) | 57.15 (2.25) | IBC-250L-4BC | IBC-250LS-4BC |
| 2-1/2 | 14 | 2/0 | 85.85 (3.38) | 22.35 (0.88) | 63.5 (2.5) | IBC-250L-20BC | IBC-250LS-20BC |
| 2-1/2 | 6 | 250 | 85.85 (3.38) | 22.35 (0.88) | 74.68 (2.94) | IBC-250L-25BC | IBC-250LS-25BC |
| 3 | 14 | 4 | 103.12 (4.06) | 33.27 (1.31) | 66.8 (2.63) | IBC-300L-4BC | IBC-300LS-4BC |
| 3 | 14 | 2/0 | 103.12 (4.06) | 33.27 (1.31) | 71.37 (2.81) | IBC-300L-20BC | IBC-300LS-20BC |
| 3 | 6 | 250 | 103.12 (4.06) | 33.27 (1.31) | 84.07 (3.31) | IBC-300L-25BC | IBC-300LS-25BC |
| 3-1/2 | 14 | 4 | 114.3 (4.5) | 25.4 (1) | 73.15 (2.88) | IBC-350L-4BC | IBC-350LS-4BC |
| 3-1/2 | 14 | 2/0 | 114.3 (4.5) | 25.4 (1) | 77.72 (3.06) | IBC-350L-20BC | IBC-350LS-20BC |
| 3 1/2 | 6 | 250 | 114.3 (4.5) | 25.4 (1) | 88.9 (3.5) | IBC-350L-25BC | IBC-350LS-25BC |
| 4 | 14 | 4 | 131.83 (5.19) | 26.92 (1.06) | 79.5 (3.13) | IBC-400L-4BC | IBC-400LS-4BC |
| 4 | 14 | 2/0 | 131.83 (5.19) | 26.92 (1.06) | 85.85 (3.38) | IBC-400L-20BC | IBC-400LS-20BC |
| 4 | 6 | 250 | 131.83 (5.19) | 26.92 (1.06) | 96.77 (3.81) | IBC-400L-25BC | IBC-400LS-25BC |
| 5 | 14 | 4 | 153.92 (6.06) | 31.75 (1.25) | 92.2 (3.63) | IBC-500L-4BC | IBC-500LS-4BC |
| 5 | 14 | 2/0 | 153.92 (6.06) | 31.75 (1.25) | 98.55 (3.88) | IBC-500L-20BC | IBC-500LS-20BC |
| 5 | 6 | 250 | 153.92 (6.06) | 31.75 (1.25) | 109.47 (4.31) | IBC-500L-25BC | IBC-500LS-25BC |
| 6 | 14 | 4 | 184.15 (7.25) | 33.27 (1.31) | 107.95 (4.25) | IBC-600L-4BC | IBC-600LS-4BC |
| 6 | 14 | 2/0 | 184.15 (7.25) | 33.27 (1.31) | 112.78 (4.44) | IBC-600L-20BC | IBC-600LS-20BC |
| 6 | 6 | 250 | 184.15 (7.25) | 33.27 (1.31) | 123.95 (4.88) | IBC-600L-25BC | IBC-600LS-25BC |

Type 1 Standard Conduit Locknuts

Threaded For Rigid Conduit and IMC.

Type 1 Conduit Locknut

Standard Materials

- 3/8" through 6" - Heavy stock steel

Standard Finishes

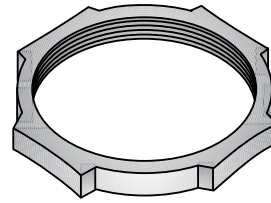
- Zinc plated

Options

- For additional corrosion protection, specify mechanically galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795 and 067549
- NEMA: FB-1



Type 1
Steel and Aluminum

| Trade Size (Inches) | Threads Per Inch | Thickness | Dia. Across Flats | Catalog Number |
|---------------------|------------------|-------------|-------------------|----------------|
| 3/8 | 18 | 3.3 (0.13) | 22.35 (0.88) | 1-38S ① |
| 1/2 | 14 | 3.3 (0.13) | 42.93 (1.69) | 1-50S |
| 3/4 | 14 | 3.3 (0.13) | 31.75 (1.25) | 1-75S |
| 1 | 11-1/2 | 4.83 (0.19) | 41.4 (1.63) | 1-100S |
| 1-1/4 | 11-1/2 | 4.83 (0.19) | 51.31 (2.02) | 1-125S |
| 1-1/2 | 11-1/2 | 4.83 (0.19) | 57.15 (2.25) | 1-150S |
| 2 | 11-1/2 | 4.83 (0.19) | 69.85 (2.75) | 1-200S |
| 2-1/2 | 8 | 9.65 (0.38) | 90.42 (3.56) | 1-250 |
| 3 | 8 | 9.65 (0.38) | 107.95 (4.25) | 1-300 |
| 3-1/2 | 8 | 9.65 (0.38) | 122.17 (4.81) | 1-350 |
| 4 | 8 | 9.65 (0.38) | 141.22 (5.56) | 1-400 |
| 5 | 8 | 12.7 (0.5) | 169.93 (6.69) | 1-500 |
| 6 | 8 | 12.7 (0.5) | 201.68 (7.94) | 1-600 |

| Trade Size (Inches) | Threads Per Inch | Thickness | Dia. Across Flats | Catalog Number |
|---------------------|------------------|-------------|-------------------|----------------|
| 1/2 | 14 | 4.83 (0.19) | 28.7 (1.13) | 1-50A |
| 3/4 | 14 | 4.83 (0.19) | 36.58 (1.44) | 1-75A |
| 1 | 11-1/2 | 4.83 (0.19) | 45.97 (1.81) | 1-100A |
| 1-1/4 | 11-1/2 | 4.83 (0.19) | 83.31 (3.28) | 1-125A |
| 1-1/2 | 11-1/2 | 4.83 (0.19) | 65.79 (2.59) | 1-150A |
| 2 | 11-1/2 | 4.83 (0.19) | 81.03 (3.19) | 1-200A |
| 2-1/2 | 8 | 9.65 (0.38) | 90.42 (3.56) | 1-250A |
| 3 | 8 | 9.65 (0.38) | 107.95 (4.25) | 1-300A |
| 3-1/2 | 8 | 9.65 (0.38) | 122.17 (4.81) | 1-350A |
| 4 | 8 | 9.65 (0.38) | 138.18 (5.44) | 1-400A |
| 5 | 8 | 12.7 (0.5) | 169.93 (6.69) | 1-500A |
| 6 | 8 | 12.7 (0.5) | 201.68 (7.94) | 1-600A |

① Square style.

Conduit Locknuts and Fixture Nuts

Threaded For Rigid Conduit and IMC.

Type 1-38LOS

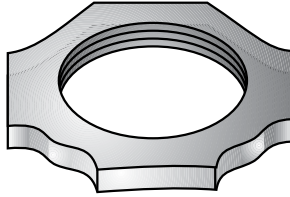
Oversize Locknut 38" covers 12" KO

Standard Materials

- Steel

Standard Finishes

- Zinc plated



Type 1-38LOS

Type 1-18S

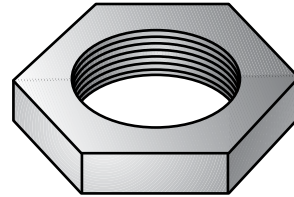
Fixture Nuts

Standard Materials

- Steel

Standard Finishes

- Zinc plated



Type 1-18S

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-------------|------------------|------------|---------------------|-------------------|----------------|
| Trade Size (Inches) | K.O. Size | Threads Per Inch | Thickness | Dia. Across Corners | Dia. Across Flats | Catalog Number |
| 3/8 | 3/8 and 1/2 | 18 | 3.3 (0.13) | 28.7 (1.13) | 26.92 (1.06) | 1-38LOS |

| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|------------------|------------|---------------------|-------------------|----------------|
| Trade Size (Inches) | Threads Per Inch | Thickness | Dia. Across Corners | Dia. Across Flats | Catalog Number |
| 1/8 | 27 | 3.3 (0.13) | 16 (0.63) | 14.22 (0.56) | 1-18S |
| 1/4 | 18 | 3.3 (0.13) | 19.05 (0.75) | 17.53 (0.69) | 1-25S |

Bonding Conduit Locknuts and Sealing Locknuts

Threaded For Rigid Conduit and IMC.

Type 101: Bonding Wedge Locknut

Features

- Use with bushings to bond 1/2" through 6" rigid conduit and IMC to boxes, cabinets or other enclosures.

Standard Materials

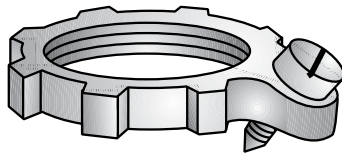
- Steel

Standard Finishes

- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 9795
- NEMA: FB-1



Type 101

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|-------------|---------------|-------------------|
| | Thickness | Radius | | |
| 1/2 | 30.23 (1.19) | 4.83 (0.19) | 23.88 (0.94) | 101 |
| 3/4 | 35.05 (1.38) | 4.83 (0.19) | 23.88 (0.94) | 102 |
| 1 | 42.93 (1.69) | 4.83 (0.19) | 26.92 (1.06) | 103 |
| 1-1/4 | 52.32 (2.06) | 4.83 (0.19) | 31.75 (1.25) | 104 |
| 1-1/2 | 60.45 (2.38) | 4.83 (0.19) | 36.58 (1.44) | 105 |
| 2 | 73.15 (2.88) | 4.83 (0.19) | 41.4 (1.63) | 106 |
| 2-1/2 | 85.85 (3.38) | 9.65 (0.38) | 49.28 (1.94) | 107 |
| 3 | 107.95 (4.25) | 9.65 (0.38) | 63.5 (2.5) | 108 |
| 3-1/2 | 122.17 (4.81) | 9.65 (0.38) | 63.5 (2.5) | 109 |
| 4 | 134.87 (5.31) | 9.65 (0.38) | 73.15 (2.88) | 110 |
| 5 | 177.8 (7.0) | 12.7 (0.5) | 88.9 (3.5) | 112 ① |
| 6 | 206.5 (8.13) | 12.7 (0.5) | 103.12 (4.06) | 113 ① |

① Not CSA Certified.

② Not UL or CSA Certified.

Type SLG: Sealing Locknut

Features

- Supplied with integrally fused PVC gasket
- Provides raintight or oil tight seal.

Standard Materials

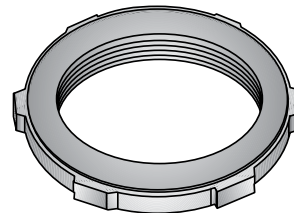
- Steel

Standard Finishes

- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 057250
- NEMA: FB-1



Type SLG

| Trade Size (Inches) | Threads Per Inch | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------|---------------------------------------|-------------|-------------------|
| | | Max. Dia. | Radius | |
| 1/2 | 14 | 28.7 (1.13) | 3.3 (0.13) | SLG-50S |
| 3/4 | 14 | 35.05 (1.38) | 3.3 (0.13) | SLG-75S |
| 1 | 11-1/2 | 44.45 (1.75) | 4.83 (0.19) | SLG-100S |
| 1-1/4 | 11-1/2 | 52.32 (2.06) | 4.83 (0.19) | SLG-125S |
| 1-1/2 | 11-1/2 | 60.45 (2.38) | 4.83 (0.19) | SLG-150S |
| 2 | 11-1/2 | 73.15 (2.88) | 4.83 (0.19) | SLG-200S |
| 2 1/2 | 8 | 87.38 (3.44) | 9.65 (0.38) | SLG-250S |
| 3 | 8 | 104.9 (4.13) | 9.65 (0.38) | SLG-300S |
| 3 1/2 | 8 | 117.6 (4.63) | 9.65 (0.38) | SLG-350S |
| 4 | 8 | 133.35 (5.25) | 9.65 (0.38) | SLG-400S ② |

② Not UL or CSA Certified.

Type RW Reducing Washers

Features

- To reduce a knockout or sliphole in a sheet metal enclosure to a smaller trade size.

Standard Materials

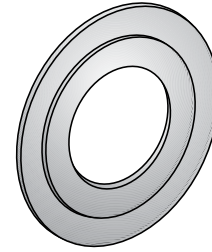
- Steel

Standard Finishes

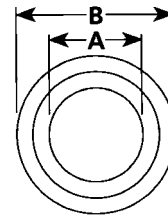
- Zinc pre-galvanized

NEC/GEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- CSA Certified: 057250
- NEMA: FB-1



Type RW



Type RW Reducing Washers

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|---------------|-----------------|
| | A | B | |
| 3/4 x 1/2 | 22.35 (0.88) | 36.58 (1.44) | RW-2S |
| 1 x 1/2 | 22.35 (0.88) | 44.45 (1.75) | RW-3S |
| 1 x 3/4 | 28.19 (1.11) | 44.45 (1.75) | RW-4S |
| 1-1/4 x 1/2 | 22.35 (0.88) | 55.63 (2.19) | RW-5S |
| 1-1/4 x 3/4 | 28.19 (1.11) | 55.63 (2.19) | RW-6S |
| 1-1/4 x 1 | 34.8 (1.37) | 55.63 (2.19) | RW-7S |
| 1-1/2 x 1/2 | 22.35 (0.88) | 63.5 (2.5) | RW-8S |
| 1-1/2 x 3/4 | 28.19 (1.11) | 63.5 (2.5) | RW-9S |
| 1-1/2 x 1 | 34.8 (1.37) | 63.5 (2.5) | RW-10S |
| 1-1/2 x 1-1/4 | 43.94 (1.73) | 63.5 (2.5) | RW-11S |
| 2 x 1/2 | 22.35 (0.88) | 76.2 (3) | RW-12S |
| 2 x 3/4 | 28.19 (1.11) | 76.2 (3) | RW-13S |
| 2 x 1 | 34.8 (1.37) | 76.2 (3) | RW-14S |
| 2 x 1-1/4 | 43.94 (1.73) | 76.2 (3) | RW-15S |
| 2 x 1-1/2 | 50.29 (1.98) | 76.2 (3) | RW-16S |
| 2-1/2 x 1/2 | 22.35 (0.88) | 88.9 (3.5) | RW-17S |
| 2-1/2 x 3/4 | 28.19 (1.11) | 88.9 (3.5) | RW-18S |
| 2-1/2 x 1 | 34.8 (1.37) | 88.9 (3.5) | RW-19S |
| 2-1/2 x 1-1/4 | 43.94 (1.73) | 88.9 (3.5) | RW-20S |
| 2-1/2 x 1-1/2 | 50.29 (1.98) | 88.9 (3.5) | RW-21S |
| 2-1/2 x 2 | 62.23 (2.45) | 88.9 (3.5) | RW-22S |
| 3 x 1 | 34.8 (1.37) | 104.9 (4.13) | RW-25S |
| 3 x 1-1/4 | 43.94 (1.73) | 104.9 (4.13) | RW-26S |
| 3 x 1-1/2 | 50.29 (1.98) | 104.9 (4.13) | RW-27S |
| 3 x 2 | 62.23 (2.45) | 104.9 (4.13) | RW-28S |
| 3 x 2-1/2 | 75.44 (2.97) | 104.9 (4.13) | RW-29S |
| 3-1/2 x 1-1/2 | 50.29 (1.98) | 117.6 (4.63) | RW-34S ① |
| 3-1/2 x 2 | 62.23 (2.45) | 117.6 (4.63) | RW-35S ① |
| 3-1/2 x 2-1/2 | 75.44 (2.97) | 117.6 (4.63) | RW-36S ① |
| 3-1/2 x 3 | 91.19 (3.59) | 117.6 (4.63) | RW-37S ① |
| 4 x 2 | 63.5 (2.5) | 130.81 (5.15) | RW-43S ① |
| 4 x 2-1/2 | 75.44 (2.97) | 130.81 (5.15) | RW-44S ① |
| 4 x 3 | 91.19 (3.59) | 130.81 (5.15) | RW-45S ① |
| 4 x 3-1/2 | 104.9 (4.13) | 130.81 (5.15) | RW-46S ① |

① Not CSA Certified.

Type CH and Type CH-T Space-Maker Conduit Hubs

Threaded For Rigid Conduit and IMC.

Applications

- Type CH - General purpose, suitable for use with heavy wall cabinets.
- Type CH-T - Insulated throat form with bonding screw. Provides a more vibration resistant connection with assured ground continuity.

Features

- Female bushed nipple type
- Female thread for rigid conduit and IMC
- Takes less space
- Recessed O-ring seal outside the box provides a watertight threaded hub on enclosures.
- Suitable for use with service entrance conduit.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc plated

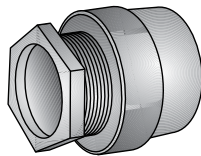
Options

- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

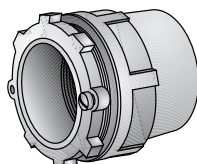
NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- UL Listed as suitable for use in wet locations.
- NEMA: FB-1
- NEMA: 4
- NEMA: 12

| | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|----------------|------------------------------------|--------------|---------------|-----------------------------|-------------------------|----------------|
| | Trade Size (Inches) | B | C | A Female Tapered NPSM | Max. Box Wall Thickness | |
| Type CH | | | | | | |
| | 1/2 | 28.7 (1.13) | 31.75 (1.25) | 12.7 (0.5) - 355.6 (14) | 4.06 (0.16) | CH-50 |
| | 3/4 | 31.75 (1.25) | 41.4 (1.63) | 19.05 (0.75) - 355.6 (14) | 7.11 (0.28) | CH-75 |
| | 1 | 35.05 (1.38) | 44.45 (1.75) | 25.4 (1.0) - 292.1 (11.5) | 7.87 (0.31) | CH-100 |
| | 1-1/4 | 44.45 (1.75) | 57.15 (2.25) | 31.75 (1.25) - 292.1 (11.5) | 11.94 (0.47) | CH-125 |
| | 1-1/2 | 47.75 (1.88) | 63.5 (2.5) | 38.1 (1.5) - 292.1 (11.5) | 12.7 (0.5) | CH-150 |
| | 2 | 44.45 (1.75) | 79.5 (3.13) | 50.8 (2.0) - 292.1 (11.5) | 16.76 (0.66) | CH-200 |
| | 2-1/2 | 63.5 (2.5) | 95.25 (3.75) | 63.5 (2.5) - 203.2 (8.0) | 16.76 (0.66) | CH-250 |
| | 3 | 92.2 (3.63) | 111.25 (4.38) | 76.2 (3.0) - 203.2 (8.0) | 18.29 (0.72) | CH-300 |
| | 3-1/2 | 69.85 (2.75) | 127.0 (5.0) | 88.9 (3.5) - 203.2 (8.0) | 20.57 (0.81) | CH-350 |
| | 4 | 69.85 (2.75) | 139.7 (5.5) | 101.6 (4.0) - 203.2 (8.0) | 16.0 (0.63) | CH-400 |
| | 5 | 69.85 (2.75) | 174.75 (6.88) | 127.0 (5.0) - 203.2 (8.0) | 16.0 (0.63) | CH-500 |
| | 6 | 69.85 (2.75) | 196.85 (7.75) | 152.4 (6.0) - 203.2 (8.0) | 23.88 (0.94) | CH-600 |



| | Dimensions in Millimeters (Inches) | | | | | Insulated Throat Catalog Number |
|------------------|------------------------------------|--------------|---------------|-----------------------------|-------------------------|---------------------------------|
| | Trade Size (Inches) | B | C | A Female Tapered NPSM | Max. Box Wall Thickness | |
| Type CH-T | | | | | | |
| | 1/2 | 28.7 (1.13) | 31.75 (1.25) | 12.7 (0.5) - 355.6 (14.0) | 1.52 (0.06) | CH-50T |
| | 3/4 | 31.75 (1.25) | 41.4 (1.63) | 19.05 (0.75) - 355.6 (14.0) | 2.29 (0.09) | CH-75T |
| | 1 | 35.05 (1.38) | 44.45 (1.75) | 25.4 (1.0) - 292.1 (11.5) | 1.52 (0.06) | CH-100T |
| | 1-1/4 | 44.45 (1.75) | 57.15 (2.25) | 31.75 (1.25) - 292.1 (11.5) | 4.83 (0.19) | CH-125T |
| | 1-1/2 | 47.75 (1.88) | 63.5 (2.5) | 38.1 (1.5) - 292.1 (11.5) | 5.59 (0.22) | CH-150T |
| | 2 | 44.45 (1.75) | 79.5 (3.13) | 50.8 (2.0) - 292.1 (11.5) | 5.59 (0.22) | CH-200T |
| | 2-1/2 | 63.5 (2.5) | 95.25 (3.75) | 63.5 (2.5) - 203.2 (8.0) | 4.83 (0.19) | CH-250T |
| | 3 | 66.8 (2.63) | 111.25 (4.38) | 76.2 (3.0) - 203.2 (8.0) | 4.83 (0.19) | CH-300T |
| | 3-1/2 | 69.85 (2.75) | 127.0 (5.0) | 88.9 (3.5) - 203.2 (8.0) | 4.83 (0.19) | CH-350T |
| | 4 | 69.85 (2.75) | 139.7 (5.5) | 101.6 (4.0) - 203.2 (8.0) | 3.3 (0.13) | CH-400T |
| | 5 | 69.85 (2.75) | 174.75 (6.88) | 127.0 (5.0) - 203.2 (8.0) | 6.35 (0.25) | CH-500T |
| | 6 | 69.85 (2.75) | 196.85 (7.75) | 152.4 (6.0) - 203.2 (8.0) | 6.35 (0.25) | CH-600T |



Type CHM and Type CHM-T Raintight Conduit Hubs

Threaded For Rigid Conduit and IMC.

Applications

- Type CHM - General Purpose Fitting.
- Type CHM-T - Insulated Throat form with Bonding Locknut.

Features

- Male thread type
- Tapered female thread for rigid conduit and IMC
- Recessed O-ring seal assures watertight and dust tight connections
- Type CHM-T with insulated throat and bonding locknut is suitable for service entrance application

Standard Materials

- Malleable iron

Standard Finishes

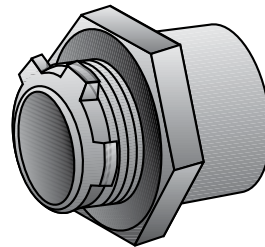
- Zinc electroplated

Options

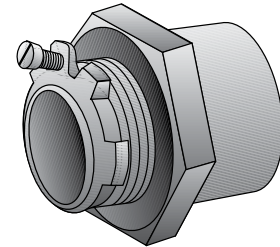
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/GEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- UL Listed as suitable for use in wet locations.
- NEMA: FB-1
- NEMA: 4
- NEMA: 12

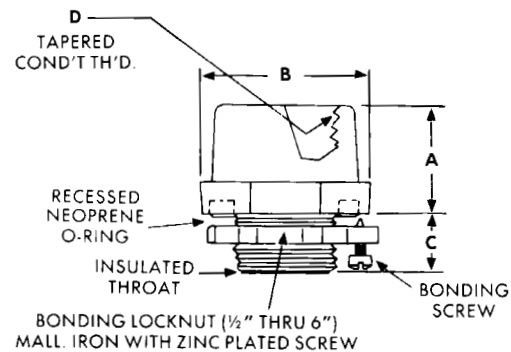
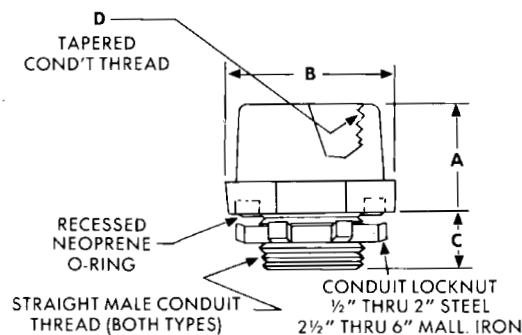


Type CHM



Type CHM-T

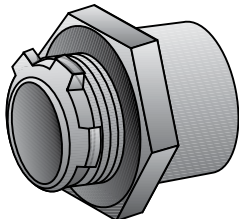
Illustrated Features



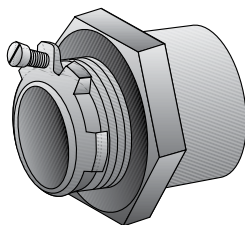
Type CHM and Type CHM-T Raintight Conduit Hubs

Threaded For Rigid Conduit and IMC.

| | Dimensions in Millimeters (Inches) | | | | | | |
|-----------------|------------------------------------|--------------|---------------|--------------|-----------------------------|--------------------|----------------|
| | Trade Size (Inches) | A | B | C | D Female Tapered N.P.T. | Max. Box Wall Thk. | Catalog Number |
| Type CHM | | | | | | | |
| | 1/2 | 22.35 (0.88) | 38.1 (1.5) | 12.7 (0.5) | 12.7 (0.5) - 355.6 (14.0) | 7.87 (0.31) | CHM-50 |
| | 3/4 | 25.4 (1.0) | 44.45 (1.75) | 12.7 (0.5) | 19.05 (0.75) - 355.6 (14.0) | 9.65 (0.38) | CHM-75 |
| | 1 | 28.7 (1.13) | 50.8 (2.0) | 16.0 (0.63) | 25.4 (1.0) - 292.1 (11.5) | 11.18 (0.44) | CHM-100 |
| | 1-1/4 | 31.75 (1.25) | 60.45 (2.38) | 16.0 (0.63) | 31.75 (1.25) - 292.1 (11.5) | 11.94 (0.47) | CHM-125 |
| | 1-1/2 | 31.75 (1.25) | 69.85 (2.75) | 16.0 (0.63) | 38.1 (1.5) - 292.1 (11.5) | 11.94 (0.47) | CHM-150 |
| | 2 | 31.75 (1.25) | 82.55 (3.25) | 19.05 (0.75) | 50.8 (2.0) - 292.1 (11.5) | 12.7 (0.5) | CHM-200 |
| | 2-1/2 | 41.4 (1.63) | 98.55 (3.88) | 25.4 (1.0) | 63.5 (2.5) - 203.2 (8.0) | 14.22 (0.56) | CHM-250 |
| | 3 | 44.45 (1.75) | 117.6 (4.63) | 25.4 (1.0) | 76.2 (3.0) - 203.2 (8.0) | 16.0 (0.63) | CHM-300 |
| | 3-1/2 | 47.75 (1.88) | 130.3 (5.13) | 28.7 (1.13) | 88.9 (3.5) - 203.2 (8.0) | 16.0 (0.63) | CHM-350 |
| | 4 | 47.75 (1.88) | 143 (5.63) | 28.7 (1.13) | 101.6 (4) - 203.2 (8.0) | 17.53 (0.69) | CHM-400 |
| | 5 | 54.1 (2.13) | 174.75 (6.88) | 31.75 (1.25) | 127 (5.0) - 203.2 (8.0) | 17.53 (0.69) | CHM-500 |
| | 6 | 54.1 (2.13) | 206.5 (8.13) | 31.75 (1.25) | 152.4 (6.0) - 203.2 (8.0) | 17.53 (0.69) | CHM-600 |



| | Dimensions in Millimeters (Inches) | | | | | | |
|-------------------|------------------------------------|--------------|---------------|--------------|-----------------------------|--------------------|---------------------------------|
| | Trade Size (Inches) | A | B | C | D Female Tapered N.P.T. | Max. Box Wall Thk. | Insulated Throat Catalog Number |
| Type CHM-T | | | | | | | |
| | 1/2 | 22.35 (0.88) | 38.1 (1.5) | 12.7 (0.5) | 12.7 (0.5) - 355.6 (14.0) | 5.59 (0.22) | CHM-50T |
| | 3/4 | 25.4 (1.0) | 44.45 (1.75) | 12.7 (0.5) | 19.05 (0.75) - 355.6 (14.0) | 7.11 (0.28) | CHM-75T |
| | 1 | 28.7 (1.13) | 50.8 (2.0) | 16.0 (0.63) | 25.4 (1.0) - 292.1 (11.5) | 8.64 (0.34) | CHM-100T |
| | 1-1/4 | 31.75 (1.25) | 60.45 (2.38) | 16.0 (0.63) | 31.75 (1.25) - 292.1 (11.5) | 10.41 (0.41) | CHM-125T |
| | 1-1/2 | 31.75 (1.25) | 69.85 (2.75) | 16.0 (0.63) | 38.1 (1.5) - 292.1 (11.5) | 10.41 (0.41) | CHM-150T |
| | 2 | 31.75 (1.25) | 82.55 (3.25) | 19.05 (0.75) | 50.8 (2.0) - 292.1 (11.5) | 9.65 (0.38) | CHM-200T |
| | 2-1/2 | 41.4 (1.63) | 98.55 (3.88) | 25.4 (1.0) | 63.5 (2.5) - 203.2 (8.0) | 16.76 (0.66) | CHM-250T |
| | 3 | 44.45 (1.75) | 117.6 (4.63) | 25.4 (1.0) | 76.2 (3.0) - 203.2 (8.0) | 17.53 (0.69) | CHM-300T |
| | 3-1/2 | 47.75 (1.88) | 130.3 (5.13) | 28.7 (1.13) | 88.9 (3.5) - 203.2 (8.0) | 19.05 (0.75) | CHM-350T |
| | 4 | 47.75 (1.88) | 143 (5.63) | 28.7 (1.13) | 101.6 (4.0) - 203.2 (8.0) | 20.57 (0.81) | CHM-400T |
| | 5 | 54.1 (2.13) | 174.75 (6.88) | 31.75 (1.25) | 127.0 (5.0) - 203.2 (8.0) | 20.57 (0.81) | CHM-500T |
| | 6 | 54.1 (2.13) | 206.5 (8.13) | 31.75 (1.25) | 152.4 (6.0) - 203.2 (8.0) | 20.57 (0.81) | CHM-600T |



Type 4 3-Piece Couplings

Threaded For Rigid Conduit and IMC.

Applications

- Couples conduit when neither can be turned.

Features

- Threaded (NPS) for rigid conduit and IMC
- Concretetight

Standard Materials

- Malleable iron

Standard Finishes

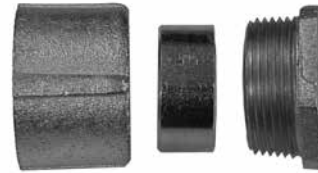
- Zinc electroplated

Options

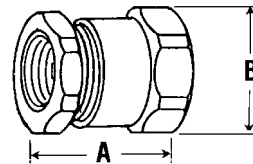
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec./CID: A-A-50553
- ANSI/NEMA: FB-1



Type 4



| Dimensions in Millimeters (Inches) | | | |
|------------------------------------|----------------|---------------|----------------|
| Trade Size (Inches) | Overall Length | Max. Dia. | Catalog Number |
| 1/2 | 35.05 (1.38) | 36.58 (1.44) | 4-50 |
| 3/4 | 41.4 (1.63) | 44.45 (1.75) | 4-75 |
| 1 | 45.97 (1.81) | 49.28 (1.94) | 4-100 |
| 1-1/4 | 55.63 (2.19) | 60.45 (2.38) | 4-125 |
| 1-1/2 | 58.67 (2.31) | 66.8 (2.63) | 4-150 |
| 2 | 61.98 (2.44) | 85.85 (3.38) | 4-200 |
| 2-1/2 | 81.03 (3.19) | 101.6 (4) | 4-250 |
| 3 | 84.07 (3.31) | 106.43 (4.19) | 4-300 |
| 3-1/2 | 88.9 (3.5) | 130.3 (5.13) | 4-350 |
| 4 | 95.25 (3.75) | 139.7 (5.5) | 4-400 |
| 5 | 93.73 (3.69) | 174.75 (6.88) | 4-500 |
| 6 | 109.47 (4.31) | 209.55 (8.25) | 4-600 |

Type ON Offset Nipple

Threaded For Rigid Conduit and IMC.

Applications

- Provides box-to-box connection of knockouts. Allows misaligned knockout connection by “rolling” the offset nipple until aligned with each knockout.

Features

- Hub-to-hub offset is 3/4”.
- See “A” in table for distance between boxes.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

Options

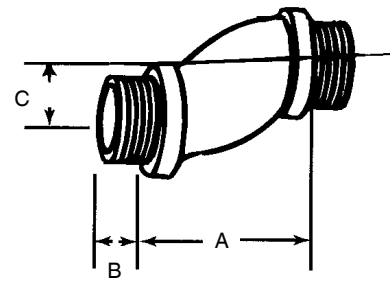
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



Type ON



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|------------------------|------------------------------------|-------------|-------------|---------------------------|----------------|
| | A | B | C | | |
| 1/2 | 41.4 (1.63) | 11.2 (0.44) | 19.1 (0.75) | 10.43 (23.00) | ON-50 |
| 3/4 | 41.4 (1.63) | 11.2 (0.44) | 19.1 (0.75) | 14.06 (31.00) | ON-75 |
| 1 | 41.4 (1.63) | 12.7 (0.50) | 19.1 (0.75) | 19.96 (44.00) | ON-100 |
| 1-1/4 | 41.4 (1.63) | 14.2 (0.56) | 19.1 (0.75) | 27.22 (60.00) | ON-125 |
| 1-1/2 | 41.4 (1.63) | 16.0 (0.63) | 19.1 (0.75) | 37.19 (82.00) | ON-150 |
| 2 | 41.4 (1.63) | 19.1 (0.75) | 19.1 (0.75) | 50.80 (112.00) | ON-200 |

Type 300R Hex Reducing Bushings and Type 7 Bushed Conduit Nipples

Threaded For Rigid Conduit and IMC.

Applications

- To reduce a threaded conduit entry into a smaller trade size.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1

Applications

- Use with bushings to bond 1/2" through 6" rigid conduit and IMC to boxes, cabinets or other enclosures.

Features

- Available with Insulated Throat.
- With rigid conduit threads (NPS).

Standard Materials

- Malleable iron

Standard Finishes

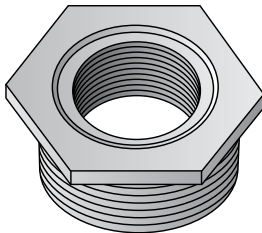
- Zinc electroplated

Options

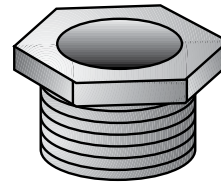
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- ANS/NEMA: FB-1



Type 300R



Type 7

Type 300R Hex Reducing Bushings and Type 7 Bushed Conduit Nipples

Threaded For Rigid Conduit and IMC.

| Dimensions in Millimeters (Inches) | | | | |
|------------------------------------|--------------------------|---------------|------------------|----------------|
| Trade Size (Inches) | Max. Dim. Across Corners | Thread Length | Flange Thickness | Catalog Number |
| Type 300R | | | | |
| 1/2 - 3/8 | 28.7 (1.13) | 12.7 (0.5) | 4.06 (0.16) | 320-R |
| 3/4 - 1/2 | 36.58 (1.44) | 16 (0.63) | 4.83 (0.19) | 321-R |
| 1 - 3/4 | 41.4 (1.63) | 16 (0.63) | 4.83 (0.19) | 322-R |
| 1 - 1/2 | 41.4 (1.63) | 17.53 (0.69) | 4.06 (0.16) | 323-R |
| 1-1/4 - 1/2 | 49.28 (1.94) | 19.05 (0.75) | 4.83 (0.19) | 324-R |
| 1-1/4 - 3/4 | 49.28 (1.94) | 19.05 (0.75) | 4.83 (0.19) | 325-R |
| 1-1/4 - 1 | 49.28 (1.94) | 19.05 (0.75) | 4.83 (0.19) | 326-R |
| 1-1/2 - 1-1/4 | 60.45 (2.38) | 23.88 (0.94) | 7.87 (0.31) | 327-R |
| 1-1/2 - 1 | 60.45 (2.38) | 23.88 (0.94) | 7.87 (0.31) | 328-R |
| 1-1/2 - 3/4 | 60.45 (2.38) | 23.88 (0.94) | 7.87 (0.31) | 329-R |
| 1-1/2 - 1/2 | 60.45 (2.38) | 23.88 (0.94) | 7.87 (0.31) | 330-R |
| 2 - 1-1/2 | 69.85 (2.75) | 23.88 (0.94) | 7.87 (0.31) | 331-R |
| 2 - 1-1/4 | 69.85 (2.75) | 23.88 (0.94) | 7.87 (0.31) | 332-R |
| 2 - 1 | 69.85 (2.75) | 23.88 (0.94) | 7.87 (0.31) | 333-R |
| 2 - 3/4 | 69.85 (2.75) | 23.88 (0.94) | 7.87 (0.31) | 334-R |
| 2 - 1/2 | 69.85 (2.75) | 23.88 (0.94) | 7.87 (0.31) | 335-R |
| 2-1/2 - 2 | 82.55 (3.25) | 23.88 (0.94) | 11.18 (0.44) | 336-R |
| 2-1/2 - 1-1/2 | 82.55 (3.25) | 23.88 (0.94) | 11.18 (0.44) | 337-R |
| 2-1/2 - 1 | 82.55 (3.25) | 23.88 (0.94) | 11.18 (0.44) | 339-R |
| 3 - 1-1/2 | 100.08 (3.94) | 26.92 (1.06) | 12.7 (0.5) | 340-R |
| 3 - 2 | 96.77 (3.81) | 28.7 (1.13) | 12.7 (0.5) | 341-R |
| 3 - 2-1/2 | 100.08 (3.94) | 26.92 (1.06) | 12.7 (0.5) | 342-R |
| 3-1/2 - 3 | 112.78 (4.44) | 38.1 (1.5) | 12.7 (0.5) | 349-R |
| 3-1/2 - 2-1/2 | 112.78 (4.44) | 38.1 (1.5) | 12.7 (0.5) | 350-R |
| 4 - 2-1/2 | 130.3 (5.13) | 36.58 (1.44) | 12.7 (0.5) | 355-R |
| 4 - 3 | 136.65 (5.38) | 31.75 (1.25) | 12.7 (0.5) | 356-R |
| 4 - 3-1/2 | 136.65 (5.38) | 31.75 (1.25) | 12.7 (0.5) | 357-R |

| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|--------------------------|---------------|------------------|----------------|---------------------------------|
| Trade Size (Inches) | Max. Dia. Across Corners | Thread Length | Flange Thickness | Catalog Number | Insulated Throat Catalog Number |
| Type 7 | | | | | |
| 3/8 | 22.35 (0.88) | 12.7 (0.5) | 3.3 (0.13) | 7-38 | — |
| 1/2 | 28.7 (1.13) | 12.7 (0.5) | 4.83 (0.19) | 7-50 | 7-50T ① |
| 3/4 | 31.75 (1.25) | 16 (0.63) | 4.83 (0.19) | 7-75 | 7-75T |
| 1 | 44.45 (1.75) | 16 (0.63) | 6.35 (0.25) | 7-100 | 7-100T |
| 1-1/4 | 54.1 (2.13) | 22.35 (0.88) | 6.35 (0.25) | 7-125 | 7-125T |
| 1-1/2 | 63.5 (2.5) | 25.4 (1) | 7.87 (0.31) | 7-150 | 7-150T |
| 2 | 76.2 (3) | 28.7 (1.13) | 7.87 (0.31) | 7-200 | 7-200T |
| 2-1/2 | 92.2 (3.63) | 31.75 (1.25) | 9.65 (0.38) | 7-250 | 7-250T |
| 3 | 114.3 (4.5) | 31.75 (1.25) | 9.65 (0.38) | 7-300 | 7-300T |
| 3-1/2 | 130.3 (5.13) | 35.05 (1.38) | 9.65 (0.38) | 7-350 | 7-350T |
| 4 | 133.35 (5.25) | 31.75 (1.25) | 11.18 (0.44) | 7-400 | 7-400T |
| 5 | 162.05 (6.38) | 31.75 (1.25) | 12.7 (0.5) | 7-500 | 7-500T |
| 6 | 193.8 (7.63) | 41.4 (1.63) | 12.7 (0.5) | 7-600 | 7-600T |

① Not UL Listed.

Type 9 90° Bushed and Type CE 90° Corner Pull-In Conduit Elbows

Threaded For Rigid Conduit and IMC.

Applications

- Threaded for rigid conduit, Female NPT/Male NPS
- Telephone elbow, floor outlet fittings

Standard Materials

- Malleable iron

Standard Finishes

- Zinc electroplated

Options

- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- NEMA: FB-1

Standard Materials

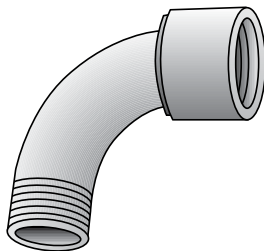
- Malleable iron

Standard Finishes

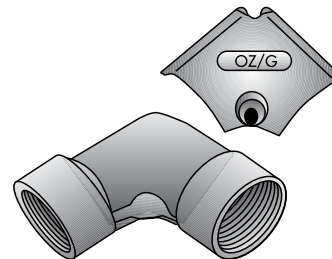
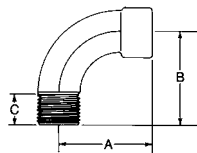
- Zinc electroplated

NEC/CEC Certifications and Compliances

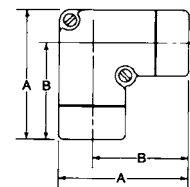
- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1



Type 9



Type CE



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|--------------|--------------|----------------|
| | A | B | C | |
| 1/2 | 47.75 (1.88) | 47.75 (1.88) | 17.53 (0.69) | 9-50 |
| 3/4 | 74.68 (2.94) | 55.63 (2.19) | 19.05 (0.75) | 9-75 |
| 1 | 63.5 (2.5) | 63.5 (2.5) | 20.57 (0.81) | 9-100 |
| 1-1/4 | 76.2 (3) | 76.2 (3) | 22.35 (0.88) | 9-125 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|--------------|----------------|
| | A | B | |
| 1/2 | 63.5 (2.5) | 50.8 (2) | CE-050 |
| 3/4 | 69.85 (2.75) | 54.1 (2.13) | CE-075 |
| 1 | 82.55 (3.25) | 60.45 (2.38) | CE-0100 |

Type FF 90° Raintight Corner Pulling Ells

Threaded For Rigid Conduit and IMC.

Type FF

90° Female/Female

Applications

- Provides a compact wire-pulling point and a 90° change of direction in a conduit run.

Features

- Threaded for rigid conduit and IMC (NPT)
- Furnished with Neoprene gasketed steel cover, zinc electroplated.
- Raintight

Standard Materials

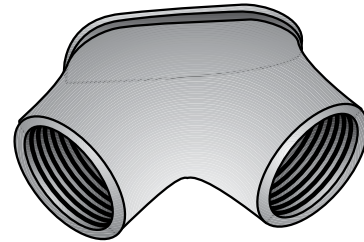
- Malleable iron

Standard Finishes

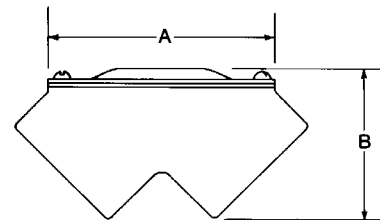
- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type FF



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|--------------|-------------------|
| | A | B | |
| 1/2 | 47.75 (1.88) | 36.58 (1.44) | FF-050 |
| 3/4 | 57.15 (2.25) | 41.4 (1.63) | FF-075 |
| 1 | 69.85 (2.75) | 50.8 (2) | FF-100 |
| 1-1/4 | 82.55 (3.25) | 58.67 (2.31) | FF-125 |
| 1-1/2 | 95.25 (3.75) | 69.85 (2.75) | FF-150 |
| 2 | 117.6 (4.63) | 82.55 (3.25) | FF-200 |
| 2-1/2 | 139.7 (5.5) | 104.9 (4.13) | FF-250 |
| 3 | 165.1 (6.5) | 104.9 (4.13) | FF-300 |

Type MF 90° Raintight Corner Pulling Ells

Threaded For Rigid Conduit and IMC.

Type MF

90° Male/Female

Applications

- For connecting rigid conduit or IMC to box or enclosures.

Features

- Threaded for rigid conduit and IMC Female NPT, Male NPSM
- Furnished with neoprene gasketed, steel cover, zinc plated.
- Furnished with locknut.
- Raintight
- Available with insulated throat

Standard Materials

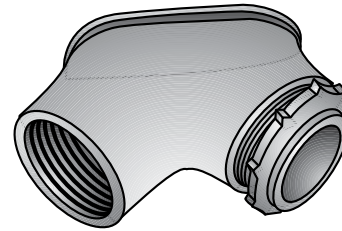
- Malleable iron

Standard Finishes

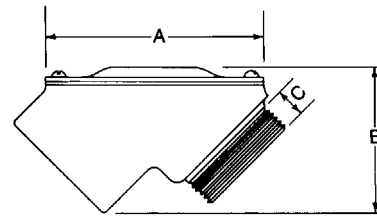
- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type MF



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|--------------|--------------|-------------------|------------------------------------|
| | A | B | C | | |
| 1/2 | 47.75 (1.88) | 38.1 (1.5) | 28.7 (1.13) | MF-050 | MF-050T |
| 3/4 | 57.15 (2.25) | 41.4 (1.63) | 33.27 (1.31) | MF-075 | MF-075T |
| 1 | 69.85 (2.75) | 50.8 (2) | 41.4 (1.63) | MF-100 | MF-100T |
| 1-1/4 | 82.55 (3.25) | 60.45 (2.38) | 50.8 (2) | MF-125 | MF-125T |
| 1-1/2 | 95.25 (3.75) | 68.33 (2.69) | 57.15 (2.25) | MF-150 | MF-150T |
| 2 | 117.6 (4.63) | 79.5 (3.13) | 73.15 (2.88) | MF-200 | MF-200T |
| 2-1/2 | 139.7 (5.5) | 95.25 (3.75) | 81.03 (3.19) | MF-250 | MF-250T |
| 3 | 165.1 (6.5) | 104.9 (4.13) | 98.55 (3.88) | MF-300 | MF-300T |

Set-Screw Rigid Connectors and Couplings

For Threadless Rigid Conduit and IMC.

Applications

- To connect threadless rigid conduit to boxes and enclosures.

Features

- Concretetight.
- Available with insulated throat.
- Male hub thread (NPS)

Standard Materials

- Malleable iron

Standard Finishes

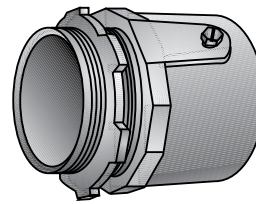
- Zinc plated

Options

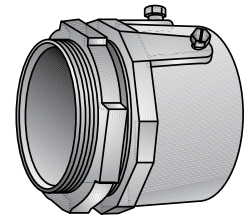
- 1/2" - 1-1/2" Mechanically Galvanized
- 2" - 6" Hot Dip Galvanized
- Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1



Type 28-050 — Type 28-200



Type 28-250 — Type 28-600

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------|---------------|-------------------|------------------------------------|
| | Body Length | Max. Dia. | Thread Length | | |
| 1/2 | 24.64 (0.97) | 31.75 (1.25) | 11.18 (0.44) | 28-050 | 28-050T |
| 3/4 | 20.57 (0.81) | 36.58 (1.44) | 11.18 (0.44) | 28-075 | 28-075T |
| 1 | 36.58 (1.44) | 44.45 (1.75) | 13.46 (0.53) | 28-100 | 28-100T |
| 1-1/4 | 39.62 (1.56) | 54.1 (2.13) | 16 (0.63) | 28-125 | 28-125T |
| 1-1/2 | 44.45 (1.75) | 60.45 (2.38) | 16 (0.63) | 28-150 | 28-150T |
| 2 | 47.75 (1.88) | 73.15 (2.88) | 16 (0.63) | 28-200 | 28-200T |
| 2-1/2 | 54.1 (2.13) | 90.42 (3.56) | 25.4 (1.0) | 28-250 | 28-250T |
| 3 | 60.45 (2.38) | 107.95 (4.25) | 25.4 (1.0) | 28-300 | 28-300T |
| 3-1/2 | 69.85 (2.75) | 120.65 (4.75) | 28.7 (1.13) | 28-350 | 28-350T |
| 4 | 76.2 (3.0) | 133.35 (5.25) | 28.7 (1.13) | 28-400 | 28-400T |
| 5 | 101.6 (4.0) | 171.45 (6.75) | 31.75 (1.25) | 28-500 | 28-500T |

Set-Screw Rigid Connectors and Couplings

For Threadless Rigid Conduit.

Application

- To couple sections of threadless rigid conduit together (not for use with IMC).

Features

- Concretetight

Standard Materials

- Malleable iron

Standard Finishes

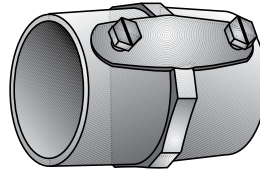
- Zinc plated

Options

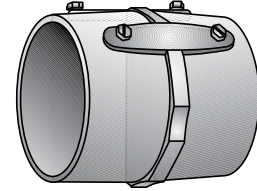
- 1/2" - 1-1/2" Mechanically Galvanized
- 2" - 6" Hot Dip Galvanized
- Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1



Type 29-050 — Type 29-200



Type 29-250 — Type 29-600

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|---------------|-------------------|
| | Length | Max. Dia. | |
| 1/2 | 44.45 (1.75) | 31.75 (1.25) | 29-050 |
| 3/4 | 54.1 (2.13) | 36.58 (1.44) | 29-075 |
| 1 | 66.8 (2.63) | 44.45 (1.75) | 29-100 |
| 1-1/4 | 69.85 (2.75) | 54.1 (2.13) | 29-125 |
| 1-1/2 | 79.5 (3.13) | 60.45 (2.38) | 29-150 |
| 2 | 85.85 (3.38) | 73.15 (2.88) | 29-200 |
| 2-1/2 | 98.55 (3.88) | 90.42 (3.56) | 29-250 |
| 3 | 111.25 (4.38) | 107.19 (4.22) | 29-300 |
| 3-1/2 | 127.0 (5.0) | 120.65 (4.75) | 29-350 |
| 4 | 139.7 (5.5) | 133.35 (5.25) | 29-400 |
| 5 | 190.5 (7.5) | 171.45 (6.75) | 29-500 |
| 6 | 215.9 (8.5) | 200.15 (7.88) | 29-600 |

Compression Rigid Connectors and Couplings

For Threadless Rigid Conduit.

Applications

- To couple sections of threadless rigid conduit together.

Features

- Concretetight.

Standard Materials

- Malleable iron

Standard Finishes

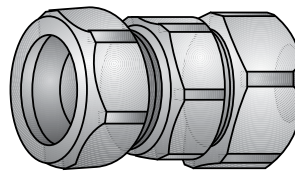
- Zinc electroplated

Options

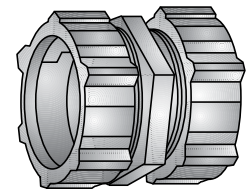
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1



Type 30-050 — Type 30-200



Type 30-250 — Type 30-600

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|---------------|-------------------|
| | Length | Max. Dia. | |
| 1/2 | 42.93 (1.69) | 35.05 (1.38) | 30-050 |
| 3/4 | 44.45 (1.75) | 39.62 (1.56) | 30-075 |
| 1 | 49.28 (1.94) | 49.28 (1.94) | 30-100 |
| 1-1/4 | 63.5 (2.5) | 58.67 (2.31) | 30-125 |
| 1-1/2 | 65.02 (2.56) | 66.8 (2.63) | 30-150 |
| 2 | 73.15 (2.88) | 84.07 (3.31) | 30-200 |
| 2-1/2 | 100.08 (3.94) | 102.36 (4.03) | 30-250 ① |
| 3 | 109.47 (4.31) | 122.17 (4.81) | 30-300 ① |
| 3-1/2 | 114.3 (4.5) | 139.7 (5.5) | 30-350 ① |
| 4 | 115.82 (4.56) | 155.7 (6.13) | 30-400 ① |
| 5 | 98.55 (3.88) | 187.45 (7.38) | 30-500 ① |
| 6 | 107.95 (4.25) | 217.42 (8.56) | 30-600 ① |

①Not UL Listed.

Compression Rigid Connectors and Couplings

For Threadless Rigid Conduit.

Application

- To connect threadless rigid conduit to boxes and enclosures.

Features

- Concretetight
- Male hub threads (NPS 1/2" through 2"; NPT above 2").

Standard Materials

- Malleable iron

Standard Finishes

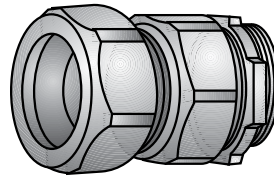
- Zinc electroplated

Options

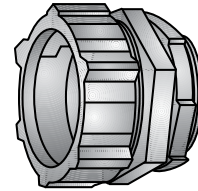
- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- NEMA: FB-1



Type 31-050 — Type 31-200



Type 31-250 — Type 31-600

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------|---------------|-------------------|------------------------------------|
| | Body Length | Max. Dia. | Thread Length | | |
| 1/2 | 19.05 (0.75) | 35.05 (1.38) | 11.18 (0.44) | 31-050 | 31-050T |
| 3/4 | 22.35 (0.88) | 39.62 (1.56) | 11.18 (0.44) | 31-075 | 31-075T |
| 1 | 30.23 (1.19) | 49.28 (1.94) | 14.22 (0.56) | 31-100 | 31-100T |
| 1-1/4 | 35.05 (1.38) | 58.67 (2.31) | 16 (0.63) | 31-125 | 31-125T |
| 1-1/2 | 35.05 (1.38) | 66.8 (2.63) | 16 (0.63) | 31-150 | 31-150T |
| 2 | 38.1 (1.5) | 84.07 (3.31) | 17.53 (0.69) | 31-200 | 31-20T |
| 2-1/2 | 54.1 (2.13) | 102.36 (4.03) | 25.4 (1.0) | 31-250Ⓞ | 31-250T Ⓞ |
| 3 | 61.98 (2.44) | 122.17 (4.81) | 25.4 (1.0) | 31-300Ⓞ | 31-300T Ⓞ |
| 3-1/2 | 66.8 (2.63) | 139.7 (5.5) | 30.23 (1.19) | 31-350Ⓞ | 31-350T Ⓞ |
| 4 | 65.02 (2.56) | 155.7 (6.13) | 31.75 (1.25) | 31-400Ⓞ | 31-400T Ⓞ |
| 5 | 55.63 (2.19) | 187.45 (7.38) | 28.7 (1.13) | 31-500Ⓞ | 31-500T Ⓞ |
| 6 | 60.45 (2.38) | 217.42 (8.56) | 35.05 (1.38) | 31-600Ⓞ | 31-600T Ⓞ |

Split Couplings™

For Threaded Rigid Conduit and IMC.

Application

- A speed union for economically joining two threaded rigid metal conduits.

Features

- A neoprene gasket provides a concrete- tight seal at the joint
- Use where conduit runs are closely spaced
- Use where conduit is tight against wall, ceiling or other obstruction
- Use where conduit cannot be turned

Standard Materials

- SSP-50 and SSP-75: Malleable iron
- SSP-100 thru SSP-600: malleable or ductile iron

Standard Finishes

- Zinc plated

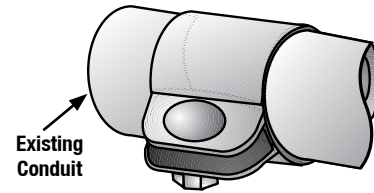
Options

- For additional corrosion protection, specify Mechanically Galvanized. Contact your local representative for pricing and availability.

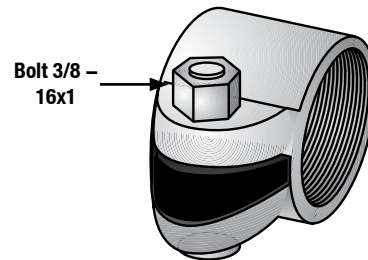
NEC/GEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1

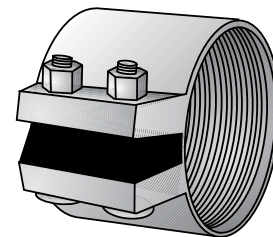
| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|------------------|------------------|-------------------|
| | Length | Max. Width | Dia | |
| 1/2 | 31.75 (1.25) | 44.45 (1.75) | 28.7 (1.13) | SSP-50 |
| 3/4 | 31.75 (1.25) | 50.8 (2) | 33.27 (1.31) | SSP-75 |
| 1 | 41.4 (1.63) | 66.8 (2.63) | 44.45 (1.75) | SSP-100 |
| 1-1/4 | 41.4 (1.63) | 66.8 (2.63) | 54.1 (2.13) | SSP-125 |
| 1-1/2 | 50.8 (2) | 82.55 (3.25) | 60.45 (2.38) | SSP-150 |
| 2 | 52.32 (2.06) | 88.9 (3.5) | 69.85 (2.75) | SSP-200 |
| 2-1/2 | 77.72 (3.06) | 114.3 (4.5) | 85.85 (3.38) | SSP-250 |
| 3 | 81.03 (3.19) | 127 (5) | 101.6 (4) | SSP-300 |
| 3-1/2 | 82.55 (3.25) | 146.05 (5.75) | 115.82 (4.56) | SSP-350 |
| 4 | 85.85 (3.38) | 158.75 (6.25) | 130.3 (5.13) | SSP-400 |
| 5 | 88.9 (3.5) | 184.15 (7.25) | 162.05 (6.38) | SSP-500 |
| 6 | 101.6 (4) | 219.2 (8.63) | 190.5 (7.5) | SSP-600 |



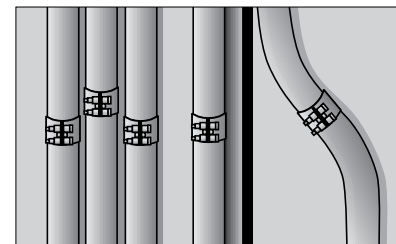
Type SSP-50 and SSP-75



Type SSP-100 and SSP-125



Type SSP-150 and SSP-600



Application Illustration

Transition Couplings

For Rigid Metal Conduit and IMC to EMT or Flexible Metal Conduit.

Features

- Threaded RMC and IMC to compression EMT
- Concretetight
- NPT female hub

Standard Materials

- Malleable iron

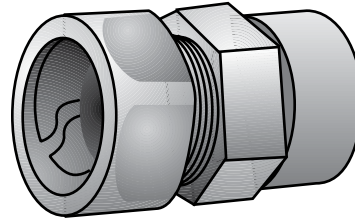
Standard Finishes

- Zinc plated

NEC/CEC Certifications and

Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|--------------|-------------------|
| | Length | Max. Dia. | |
| 1/2 | 35.05 (1.38) | 28.7 (1.13) | ETR-50 |
| 3/4 | 23.88 (0.94) | 35.05 (1.38) | ETR-75 |
| 1 | 38.1 (1.5) | 44.45 (1.75) | ETR-100 |
| 1-1/4 | 47.75 (1.88) | 60.45 (2.38) | ETR-125 |
| 1-1/2 | 47.75 (1.88) | 63.5 (2.5) | ETR-150 |
| 2 | 58.67 (2.31) | 76.2 (3) | ETR-200 |

Transition Couplings

For Rigid Metal Conduit and IMC to EMT or Flexible Metal Conduit.

Features

- Threaded RMC and IMC to Flexible Metal Conduit
- NPT female hub

Standard Materials

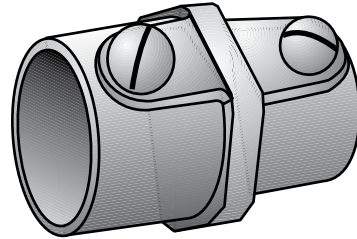
- Malleable iron

Standard Finishes

- Zinc plated

NEC/GEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|-------------------|
| | A | B | C | |
| 1/2 | 42.93 (1.69) | 33.27 (1.31) | 31.75 (1.25) | ESR-50 |
| 3/4 | 52.32 (2.06) | 28.7 (1.13) | 38.1 (1.5) | ESR-75 |
| 1 | 63.5 (2.5) | 35.05 (1.38) | 45.97 (1.81) | ESR-100 |

Transition Couplings

For Rigid Metal Conduit and IMC to EMT or Flexible Metal Conduit.

Features

- Concrete-tight
- Set screw
- Threadless RMC and IMC to EMT

Standard Materials

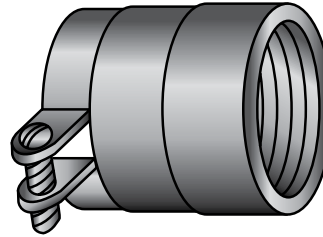
- Malleable iron

Standard Finishes

- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853



| Trade Size (Inches) | Length | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|--------------|------------------------------------|-----------------------------|-------------------|
| | | Max. Dia. | Flex Range | |
| 1/2 | 38.1 (1.5) | 31.75 (1.25) | 19.81 (0.78) - 23.88 (0.94) | CB-50 |
| 3/4 | 44.45 (1.75) | 38.1 (1.5) | 23.11 (0.91) - 27.43 (1.08) | CB-75 |
| 1 | 47.75 (1.88) | 47.75 (1.88) | 14.99 (0.59) - 36.58 (1.44) | CB-100 |

Type EF and Type EFL Concrete Slab Electroform Inserts

For Threaded Rigid Conduit and IMC.

Application

- For conduit installed in poured concrete slabs.
- Nail, screw or tack-weld insert to concrete deck form.

Features

- Inserts available in straight or 90°

Standard Materials

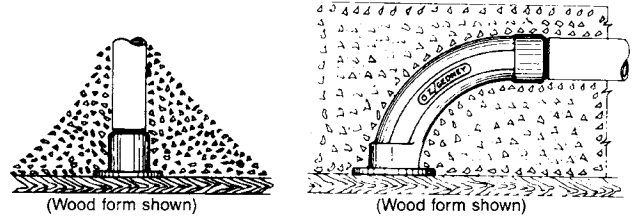
- Malleable iron

Standard Finishes

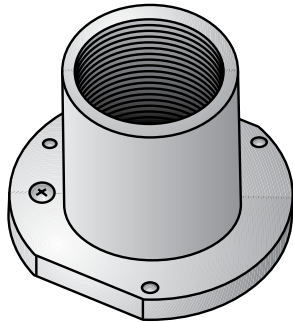
- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795

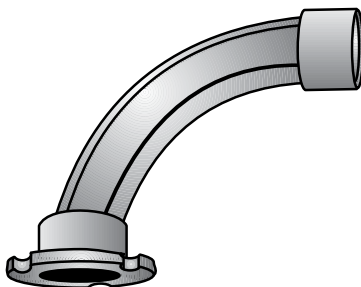


Shown in poured concrete slabs before wood or steel forms are removed.



Type EF-50 — Type EF-100
For concrete slab 4" thick and up.

| STRAIGHT CONDUIT INSERTS | | | | |
|------------------------------------|--------------|-------------------|--------------|----------------|
| Dimensions in Millimeters (Inches) | | | | |
| Trade Size (Inches) | Base Dia. | Base Across Flats | Height | Catalog Number |
| 1/2 | 49.28 (1.94) | 44.45 (1.75) | 23.88 (0.94) | EF-50 |
| 3/4 | 55.63 (2.19) | 50.8 (2) | 35.05 (1.38) | EF-75 |
| 1 | 63.5 (2.5) | 84.07 (3.31) | 41.4 (1.63) | EF-100 |



Type EFL-50 — Type EFL-100
For slabs 6" thick and up require bend conduit sweep.

| 90° CONDUIT INSERTS | | | | | |
|------------------------------------|--------------|----------------|------------------------|--------------|----------------|
| Dimensions in Millimeters (Inches) | | | | | |
| Trade Size (Inches) | Base Dia. | Turning Radius | Base to Conduit Center | Height | Catalog Number |
| 1/2 | 49.28 (1.94) | 95.25 (3.75) | 79.5 (3.13) | 92.2 (3.63) | EFL-50 |
| 3/4 | 55.63 (2.19) | 96.77 (3.81) | 77.72 (3.06) | 93.73 (3.69) | EFL-75 |
| 1 | 63.5 (2.5) | 96.77 (3.81) | 74.68 (2.94) | 93.73 (3.69) | EFL-100 |

Conduit End Bells

For Threaded Rigid Conduit and IMC.

Application

- Provides a smooth transition from conduit to open conductors.

Features

- Provides a smooth, rounded pulling surface, preventing damage to cable sheath or insulation.
- Slots are provided for attaching to concrete forms.

Standard Materials

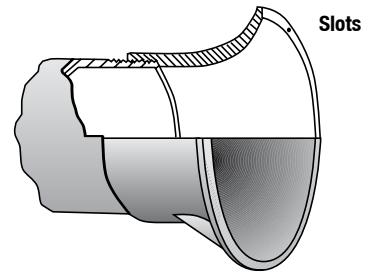
- Malleable or ductile iron

Standard Finishes

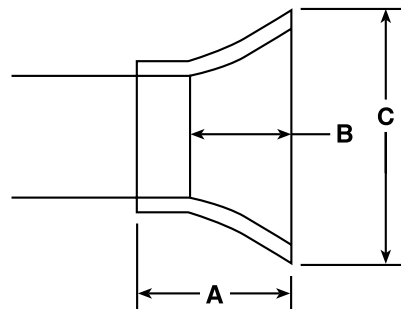
- Hot dip galvanized

NEC/CEC Certifications and Compliances

- This product serves no electrical function and therefore requires no third party testing or certification. It is considered to be a helper component.



Type TNS



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------------|------------------|-------------------|
| | Overall (A) | Bell Height (B) | Max. Dia. (C) | |
| 1-1/2 | 52.32 (2.06) | 38.1 (1.5) | 107.95 (4.25) | TNS-150 |
| 2 | 52.32 (2.06) | 38.1 (1.5) | 117.6 (4.63) | TNS-200 |
| 2-1/2 | 60.45 (2.38) | 41.4 (1.63) | 127 (5) | TNS-250 |
| 3 | 79.5 (3.13) | 60.45 (2.38) | 162.05 (6.38) | TNS-300 |
| 3-1/2 | 82.55 (3.25) | 63.5 (2.5) | 174.75 (6.88) | TNS-350 |
| 4 | 90.42 (3.56) | 73.15 (2.88) | 187.45 (7.38) | TNS-400 |
| 5 | 90.42 (3.56) | 73.15 (2.88) | 212.85 (8.38) | TNS-500 |
| 6 | 98.55 (3.88) | 73.15 (2.88) | 244.6 (9.63) | TNS-600 |

Pipe Straps

For Rigid Conduit and IMC.

Type 14-S

Application

- To support Rigid Conduit and IMC.

Features

- Snap type - double ribbed

Standard Materials

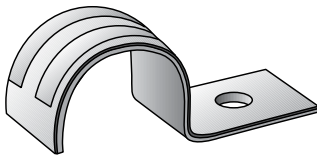
- Steel

Standard Finishes

- Zinc plated

CEC Certifications and Compliances

- Fed. Spec: FF-S-760



Type 14-S

Type THR

Application

- To support Rigid Conduit and IMC.

Features

- Snap type - double ribbed

Standard Materials

- Steel

Standard Finishes

- Zinc plated

CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18.3
- CSA Certified: 104691
- Fed. Spec: FF-S-760



Type THR

Type 14-G

Application

- To support Rigid Conduit and IMC.

Standard Materials

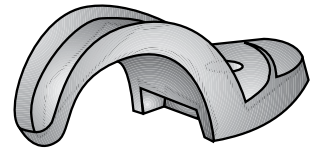
- Malleable iron

Standard Finishes

- Hot dipped galvanized

CEC Certifications and Compliances

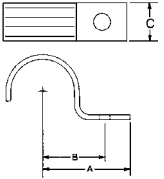
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795
- Fed. Spec: FF-S-760

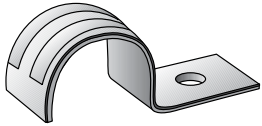


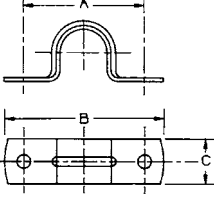
Type 14-G

Pipe Straps

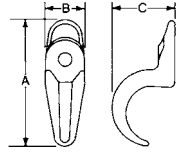
For Rigid Conduit and IMC.

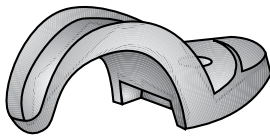
| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|---------------|--------------|--------------|-------------------------------|----------------|---|
| Trade Size (Inches) | A | B | C | Minimum Recommended Bolt Dia. | Catalog Number | |
| Type 14-S | | | | | | |
| 1/2 | 54.1 (2.13) | 17.53 (0.69) | 19.05 (0.75) | 0.25 | 14-50S |  |
| 3/4 | 65.02 (2.56) | 23.88 (0.94) | 19.05 (0.75) | 0.25 | 14-75S | |
| 1 | 69.85 (2.75) | 23.88 (0.94) | 19.05 (0.75) | 0.25 | 14-100S | |
| 1-1/4 | 88.9 (3.5) | 41.4 (1.63) | 25.4 (1.0) | 0.31 | 14-125S | |
| 1-1/2 | 98.55 (3.88) | 45.97 (1.81) | 28.7 (1.13) | 0.38 | 14-150S | |
| 2 | 111.25 (4.38) | 54.1 (2.13) | 31.75 (1.25) | 0.38 | 14-200S | |
| 2-1/2 | 157.23 (6.19) | 66.8 (2.63) | 31.75 (1.25) | 0.50 | 14-250S | |
| 3 | 171.45 (6.75) | 76.2 (3.0) | 31.75 (1.25) | 0.50 | 14-300S | |
| 3-1/2 | 193.8 (7.63) | 90.42 (3.56) | 38.1 (1.5) | 0.63 | 14-350S | |
| 4 | 206.5 (8.13) | 101.6 (4.0) | 38.1 (1.5) | 0.63 | 14-400S | |



| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|---------------|---------------|--------------|-------------------------------|----------------|---|
| Trade Size (Inches) | A | B | C | Minimum Recommended Bolt Dia. | Catalog Number | |
| Type THR | | | | | | |
| 1/2 | 44.45 (1.75) | 57.15 (2.25) | 16 (0.63) | 4.83 (0.19) | THR-50S |  |
| 3/4 | 46.74 (1.84) | 58.67 (2.31) | 19.05 (0.75) | 4.83 (0.19) | THR-75S | |
| 1 | 58.67 (2.31) | 74.68 (2.94) | 18.29 (0.72) | 6.35 (0.25) | THR-100S | |
| 1-1/4 | 74.68 (2.94) | 92.2 (3.63) | 18.29 (0.72) | 6.35 (0.25) | THR-125S | |
| 1-1/2 | 80.26 (3.16) | 100.08 (3.94) | 18.29 (0.72) | 6.35 (0.25) | THR-150S | |
| 2 | 107.95 (4.25) | 127.0 (5.0) | 18.29 (0.72) | 6.35 (0.25) | THR-200S | |
| 2-1/2 | 119.13 (4.69) | 145.29 (5.72) | 25.4 (1.0) | 7.87 (0.31) | THR-250S | |
| 3 | 144.53 (5.69) | 171.45 (6.75) | 25.4 (1.0) | 7.87 (0.31) | THR-300S | |
| 3-1/2 | 160.27 (6.31) | 185.67 (7.31) | 25.4 (1.0) | 7.87 (0.31) | THR-350S | |
| 4 | 173.74 (6.84) | 198.37 (7.81) | 25.4 (1.0) | 7.87 (0.31) | THR-400S | |



| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|----------------|--------------|---------------|-------------------------------|----------------|---|
| Conduit Size Inches | A | B | C | Minimum Recommended Bolt Dia. | Catalog Number | |
| Type 14-G | | | | | | |
| 1/8 | 49.28 (1.94) | 12.7 (0.5) | 12.7 (0.5) | #10 | 14-18G |  |
| 1/4 | 40.39 (1.59) | 14.99 (0.59) | 16 (0.63) | 6.35 (0.25) | 14-25G | |
| 3/8 | 44.45 (1.75) | 16 (0.63) | 19.05 (0.75) | 6.35 (0.25) | 14-38G | |
| 1/2 | 57.15 (2.25) | 16.76 (0.66) | 23.88 (0.94) | 6.35 (0.25) | 14-50G | |
| 3/4 | 65.02 (2.56) | 19.05 (0.75) | 30.99 (1.22) | 6.35 (0.25) | 14-75G | |
| 1 | 77.72 (3.06) | 20.57 (0.81) | 38.1 (1.5) | 6.35 (0.25) | 14-100G | |
| 1-1/4 | 93.73 (3.69) | 22.35 (0.88) | 47.75 (1.88) | 9.65 (0.38) | 14-125G | |
| 1-1/2 | 171.45 (6.75) | 25.4 (1.0) | 54.1 (2.13) | 9.65 (0.38) | 14-150G | |
| 2 | 128.52 (5.06) | 28.7 (1.13) | 65.02 (2.56) | 12.7 (0.5) | 14-200G | |
| 2-1/2 | 150.88 (5.94) | 35.05 (1.38) | 77.72 (3.06) | 12.7 (0.5) | 14-250G | |
| 3 | 188.98 (7.44) | 41.4 (1.63) | 77.72 (3.06) | 12.7 (0.5) | 14-300G | |
| 3-1/2 | 208.03 (8.19) | 45.97 (1.81) | 111.25 (4.38) | 16.0 (0.63) | 14-350G | |
| 4 | 220.73 (8.69) | 50.8 (2.0) | 127.0 (5.0) | 16.0 (0.63) | 14-400G | |
| 5 | 277.88 (10.94) | 69.85 (2.75) | 165.1 (6.5) | 16.0 (0.63) | 14-500G | |
| 6 | 317.5 (12.5) | 79.5 (3.13) | 190.5 (7.5) | 25.4 (1.0) | 14-600G | |



Clamp Backs and Conduit Spacers

For Rigid Conduit, IMC and EMT.

Application

- Provides spacing from mounting surface when used with malleable iron pipe straps.

Standard Materials

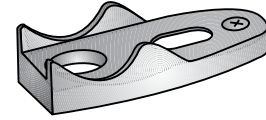
- Malleable iron

Standard Finishes

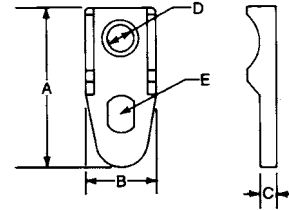
- Hot dip galvanized

NEC/GEC Certifications and Compliances

- CSA Standard: C22.2 No. 18
- CSA Certified: 009795



Clamp Back



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|------------------------|------------------------------------|-----------------|------------------|-----------------|--------------------------------|-------------------|
| | A | B | C | D | E | |
| 1/2 | 36.58 (1.44) | 17.53 (0.69) | 6.35 (0.25) | 9.65 (0.38) | 9.65 (0.38) x 12.7 (0.5) | 141G |
| 3/4 | 63.5 (2.5) | 28.7 (1.13) | 6.35 (0.25) | 9.65 (0.38) | 14.22 (0.56) x 11.18 (0.44) | 142G |
| 1 | 81.03 (3.19) | 23.88 (0.94) | 7.87 (0.31) | 9.65 (0.38) | 14.22 (0.56) x 11.18 (0.44) | 143G |
| 1-1/4 | 93.73 (3.69) | 36.58 (1.44) | 7.87 (0.31) | 12.7 (0.5) | 14.22 (0.56) x 13.46 (0.53) | 144G |
| 1-1/2 | 100.08 (3.94) | 38.1 (1.5) | 7.87 (0.31) | 14.22 (0.56) | 14.99 (0.59) x 18.29 (0.72) | 145G |
| 2 | 130.3 (5.13) | 50.8 (2) | 9.65 (0.38) | 14.22 (0.56) | 16 (0.63) x 20.57 (0.81) | 146G |
| 2-1/2 | 146.05 (5.75) | 63.5 (2.5) | 9.65 (0.38) | 0.76 (0.03) | 16 (0.63) x 28.7 (1.13) | 147G |
| 3 | 181.1 (7.13) | 71.37 (2.81) | 9.65 (0.38) | 11.94 (0.47) | 16 (0.63) x 28.7 (1.13) | 148G |
| 3-1/2 | 203.2 (8) | 81.79 (3.22) | 11.18 (0.44) | 11.94 (0.47) | 17.53 (0.69) x 34.04 (1.34) | 149G |
| 4 | 222.25 (8.75) | 87.38 (3.44) | 9.65 (0.38) | 11.94 (0.47) | 18.29 (0.72) x 32.51 (1.28) | 150G |
| 5 | 255.52 (10.06) | 93.73 (3.69) | 12.7 (0.5) | 13.46 (0.53) | 21.34 (0.84) x 33.27 (1.31) | 151G |
| 6 | 152.4 (6) | 304.8 (12) | 100.08 (3.94) | 14.22 (0.56) | 31.75 (1.25) x 50.8 (2) | 152G |

Beam Clamps

Application

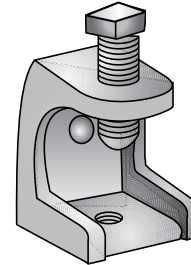
- Provide support for conduit hanging systems.

Standard Materials

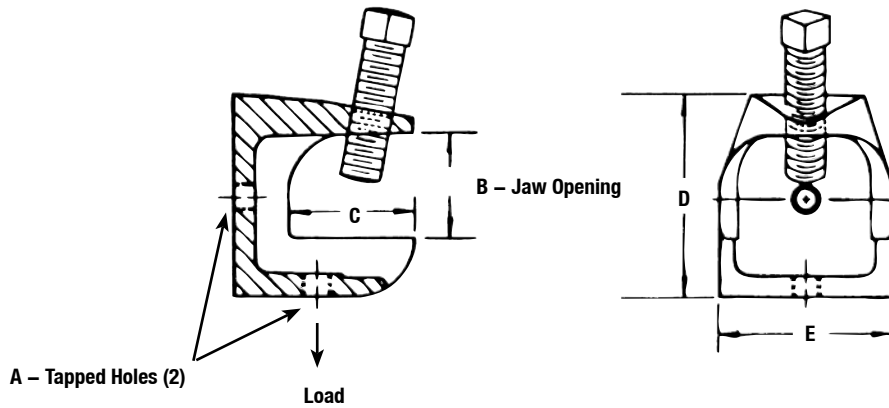
- Malleable iron clamp
- Steel screw, case hardened

Standard Finishes

- Clamp - hot dip galvanized
- Screw - zinc electroplated



Type IS



| A Tapped Holes | B Jaw Opening | Dimensions in Millimeters (Inches) | | | Max. Load kgs. (lbs.) | Catalog Number |
|----------------------|---------------------|------------------------------------|--------------|-------------|--------------------------|-------------------|
| | | C | D | E | | |
| 1/4 - 20 | 23.88 (0.94) | 22.35 (0.88) | 41.4 (1.63) | 25.4 (1) | 152 (335) | IS-500 |
| 10 - 24 | 23.88 (0.94) | 22.35 (0.88) | 41.4 (1.63) | 25.4 (1) | 152 (335) | IS-509 |
| 5/16 - 18 | 23.88 (0.94) | 28.7 (1.13) | 45.97 (1.81) | 38.1 (1.5) | 238 (525) | IS-501 |
| 3/8 - 16 | 25.4 (1) | 35.05 (1.38) | 52.32 (2.06) | 50.8 (2) | 340 (750) | IS-502 |
| 1/2 - 13 | 28.7 (1.13) | 42.93 (1.69) | 57.15 (2.25) | 66.8 (2.63) | 408 (900) | IS-503 |

Conduit Clamps

Application

- Designed to secure Rigid Conduit, IMC or EMT across, parallel or perpendicular to beam, channel and angle supports.

Features

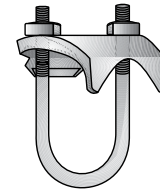
- Easily installed
- Capable of withstanding heavy loads.

Standard Materials

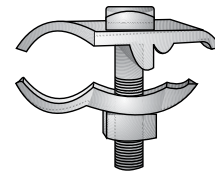
- All components are Malleable Iron except nuts and bolts which are steel.

Standard Finishes

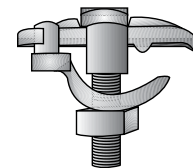
- Clamp - Hot dipped galvanized
- Hardware - mechanically galvanized



Type UBC-G
Right Angle Type



Type UPC-G
Parallel Type



Type UEC-G
Edge Type

| Trade Size (Inches) | Right Angle Type Catalog Number | Parallel Type Catalog Number | Edge Type Catalog Number |
|------------------------|---------------------------------------|------------------------------------|--------------------------------|
| 1/2 | UBC-50G | UPC-50G | UEC-50G |
| 3/4 | UBC-75G | UPC-75G | UEC-75G |
| 1 | UBC-100G | UPC-100G | UEC-100G |
| 1-1/4 | UBC-125G | UPC-125G | UEC-125G |
| 1-1/2 | UBC-150G | UPC-150G | UEC-150G |
| 2 | UBC-200G | UPC-200G | UEC-200G |
| 2-1/2 | UBC-250G | UPC-250G | UEC-250G |
| 3 | UBC-300G | UPC-300G | UEC-300G |
| 3-1/2 | UBC-350G | UPC-350G | — |
| 4 | UBC-400G | UPC-400G | — |
| 5 | UBC-500G | — | — |
| 6 | UBC-600G | — | — |

Conduit U-Bolts and Hangers

For Rigid Conduit, IMC and EMT.

Type U

Features

- 2 hex nuts.

Standard Materials

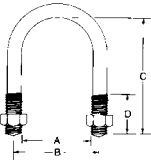
- Steel

Standard Finishes

- Mechanically galvanized



Type U
Conduit U-Bolts



Type H-SBS

Application

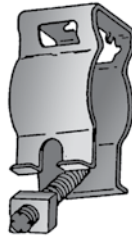
- Provide support for conduit hanging systems.

Standard Materials

- Malleable iron clamp
- Steel screw, case hardened

Standard Finishes

- Clamp - hot dip galvanized
- Screw - zinc electroplated



Type H-SBS
Conduit Hangers with Swing Bolt and Nut

Type H-WBS

Application

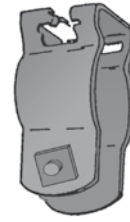
- Provide support for conduit hanging systems.

Standard Materials

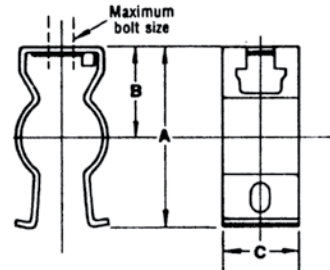
- Malleable iron clamp
- Steel screw, case hardened

Standard Finishes

- Clamp - hot dip galvanized
- Screw - zinc electroplated



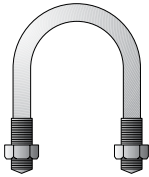
Type H-WBS
Conduit Hangers with Carriage Bolt and Nut



Conduit U-Bolts and Hangers

For Rigid Conduit, IMC and EMT.

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Thread Size | Catalog Number |
|------------------------|------------------------------------|---------------|---------------|--------------|--------------------------|-------------------|
| | A | B | C | D | | |
| Type U | | | | | | |
| 1/2 | 23.88 (0.94) | 30.23 (1.19) | 63.5 (2.5) | 38.1 (1.5) | 6.35 (0.25) - 508 (20) | U-50SG |
| 3/4 | 28.7 (1.13) | 36.58 (1.44) | 63.5 (2.5) | 38.1 (1.5) | 6.35 (0.25) - 508 (20) | U-75SG |
| 1 | 36.58 (1.44) | 44.45 (1.75) | 71.37 (2.81) | 38.1 (1.5) | 7.87 (0.31) - 457.2 (18) | U-100SG |
| 1-1/4 | 44.45 (1.75) | 52.32 (2.06) | 82.55 (3.25) | 38.1 (1.5) | 7.87 (0.31) - 457.2 (18) | U-125SG |
| 1-1/2 | 50.8 (2) | 58.67 (2.31) | 88.9 (3.5) | 38.1 (1.5) | 7.87 (0.31) - 457.2 (18) | U-150SG |
| 2 | 63.5 (2.5) | 73.15 (2.88) | 101.6 (4) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-200SG |
| 2-1/2 | 76.2 (3) | 85.85 (3.38) | 114.3 (4.5) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-250SG |
| 3 | 92.2 (3.63) | 101.6 (4) | 133.35 (5.25) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-300SG |
| 3-1/2 | 104.9 (4.13) | 114.3 (4.5) | 144.53 (5.69) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-350SG |
| 4 | 117.6 (4.63) | 127 (5) | 158.75 (6.25) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-400SG |
| 5 | 143 (5.63) | 152.4 (6) | 187.45 (7.38) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-500SG |
| 6 | 169.93 (6.69) | 179.32 (7.06) | 212.85 (8.38) | 44.45 (1.75) | 9.65 (0.38) - 406.4 (16) | U-600SG |



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | With Bolt/Nut Catalog Number |
|------------------------|------------------------------------|--------------|--------------|----------------|---------------------------------|
| | A | B | C | Max. Bolt Size | |
| Type H-SBS | | | | | |
| 1/2 | 43.69 (1.72) | 22.35 (0.88) | 19.05 (0.75) | 6.35 (0.25) | H-0SBS |
| 3/4 | 46.74 (1.84) | 23.11 (0.91) | 22.35 (0.88) | 6.35 (0.25) | H-1SBS |
| 1 | 59.44 (2.34) | 29.46 (1.16) | 22.35 (0.88) | 6.35 (0.25) | H-2SBS |
| 1-1/4 | 67.56 (2.66) | 35.05 (1.38) | 22.35 (0.88) | 6.35 (0.25) | H-3SBS |
| 1-1/2 | 77.72 (3.06) | 41.4 (1.63) | 25.4 (1) | 7.87 (0.31) | H-4SBS |
| 2 | 91.19 (3.59) | 47.75 (1.88) | 31.75 (1.25) | 7.87 (0.31) | H-5SBS |



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | With Bolt/Nut Catalog Number |
|------------------------|------------------------------------|--------------|--------------|----------------|---------------------------------|
| | A | B | C | Max. Bolt Size | |
| Type H-WBS | | | | | |
| 1/2 | 47.75 (1.88) | 22.35 (0.88) | 19.05 (0.75) | 6.35 (0.25) | H-0WBS |
| 3/4 | 50.8 (2) | 23.11 (0.91) | 22.35 (0.88) | 6.35 (0.25) | H-1WBS |
| 1 | 61.21 (2.41) | 29.46 (1.16) | 22.35 (0.88) | 6.35 (0.25) | H-2WBS |
| 1-1/4 | 71.37 (2.81) | 35.05 (1.38) | 22.35 (0.88) | 6.35 (0.25) | H-3WBS |
| 1-1/2 | 81.79 (3.22) | 41.4 (1.63) | 25.4 (1) | 7.87 (0.31) | H-4WBS |
| 2 | 95.25 (3.75) | 47.75 (1.88) | 31.75 (1.25) | 7.87 (0.31) | H-5WBS |
| 2-1/2 | 107.19 (4.22) | 54.1 (2.13) | 31.75 (1.25) | 7.87 (0.31) | H-6WBS |
| 3 | 123.95 (4.88) | 60.45 (2.38) | 31.75 (1.25) | 7.87 (0.31) | H-7WBS |
| 3-1/2 | 136.65 (5.38) | 68.33 (2.69) | 31.75 (1.25) | 7.87 (0.31) | H-8WBS |
| 4 | 163.58 (6.44) | 76.2 (3) | 44.45 (1.75) | 12.7 (0.5) | H-9WBS |



Conduit Clamps

For Rigid Conduit, IMC and EMT.

Application

- For securing Rigid Conduit, IMC, EMT and Flexible Metal Conduit.

Standard Materials

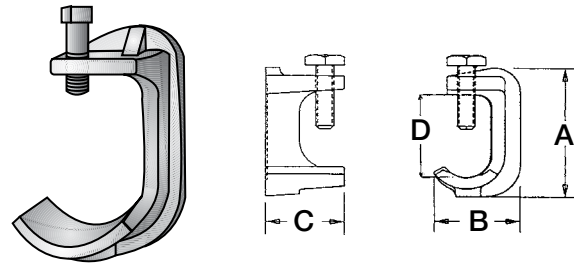
- Malleable iron
- Steel bolt

Standard Finishes

- Mechanically galvanized

CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795



Type J

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Bolt Size | Catalog Number |
|------------------------|------------------------------------|---------------|--------------|---------------|---------------------------|----------------|
| | A | B | C | D | | |
| 1/2 | 65.02 (2.56) | 39.62 (1.56) | 35.05 (1.38) | 41.4 (1.63) | 7.87 x 38.1 (0.31 x 1.5) | J-50G |
| 3/4 | 73.15 (2.88) | 47.75 (1.88) | 35.81 (1.41) | 49.28 (1.94) | 7.87 x 38.1 (0.31 x 1.5) | J-75G |
| 1 | 88.9 (3.5) | 55.63 (2.19) | 44.45 (1.75) | 57.15 (2.25) | 7.87 x 38.1 (0.31 x 1.5) | J-100G |
| 1-1/4 | 95.25 (3.75) | 63.5 (2.5) | 44.45 (1.75) | 65.02 (2.56) | 9.65 x 38.1 (0.38 x 1.5) | J-125G |
| 1-1/2 | 103.12 (4.06) | 73.15 (2.88) | 50.8 (2.0) | 71.37 (2.81) | 9.65 x 38.1 (0.38 x 1.5) | J-150G |
| 2 | 127 (5.0) | 84.07 (3.31) | 52.32 (2.06) | 87.38 (3.44) | 12.7 x 44.45 (0.5 x 1.75) | J-200G |
| 2-1/2 -3 | 160.27 (6.31) | 112.78 (4.44) | 66.8 (2.63) | 115.82 (4.56) | 16.0 x 63.5 (0.63 x 2.5) | J-2530G |
| 3-1/2 -4 | 193.8 (7.63) | 138.18 (5.44) | 82.55 (3.25) | 146.05 (5.75) | 16.0 x 63.5 (0.63 x 2.5) | J-3540G |

Conduit Clamps

For Rigid Conduit, IMC and EMT.

Application

- For securing Rigid Conduit, IMC, EMT and Flexible Metal Conduit.

Standard Materials

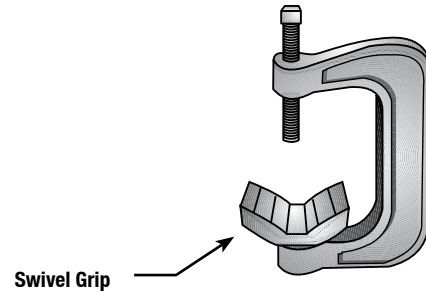
- Malleable iron
- Steel bolt

Standard Finishes

- Mechanically galvanized

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795



Type CBC

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|--------------|----------------|
| | Length | Width | |
| 1/2 - 3/4 - 1 - 1-1/4 | 85.85 (3.38) | 65.02 (2.56) | CBC-1 |
| 1-1/4 - 1-1/2 - 2 | 117.6 (4.63) | 82.55 (3.25) | CBC-2 |

Tray-Bond™ Cable Tray Clamps

For Rigid Conduit, IMC and EMT.

Applications

- For connecting and grounding rigid conduit, IMC, or EMT to cable trays.
- Secures and bonds metal conduit (rigid steel or aluminum, IMC and EMT) to the side rails of steel or aluminum cable trays without drilling or welding the tray. On the 1 1/2" through 4" sizes, conduits can attach to the tray from any angle up to 120°, allowing large power or control cables to be routed easily.

Features

- Fast Installation
- Low Product Cost
- Excellent Grounding Continuity
- Variable Conduit Entry 1 1/2" - 4" sizes
- High Mechanical Strength
- Compact Design
- Meets NEC 392.60(B)(A) Bonding Requirements

Standard Materials

- Malleable Iron
- U-Bolts and Nuts: Steel

Standard Finishes

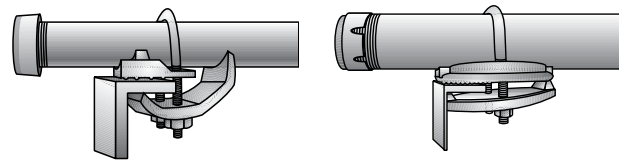
- Mechanically Galvanized

Options

- PVC coating available on select aluminum bodies and covers. Add suffix **-PVC** to catalog number.

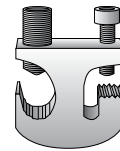
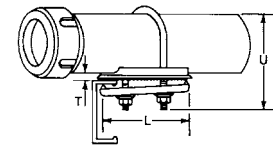
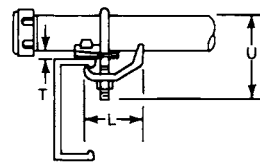
NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 18.
- CSA Certified: 009795 for rigid and EMT only



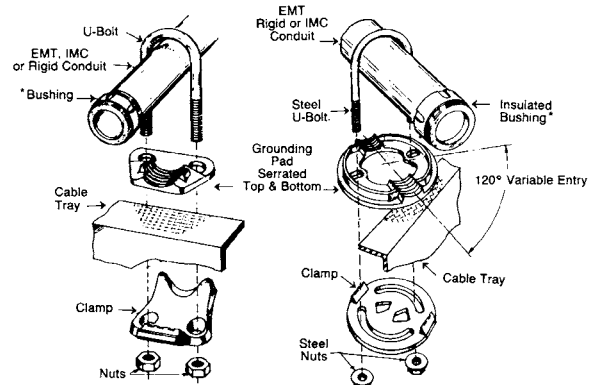
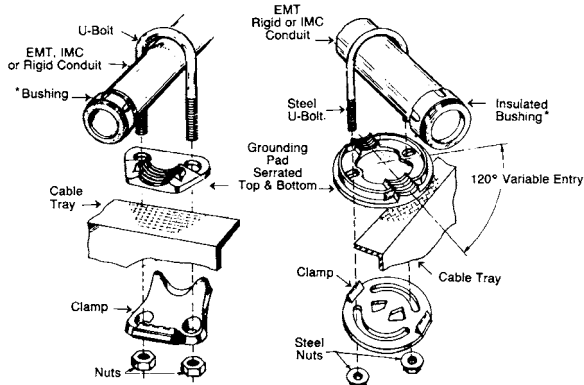
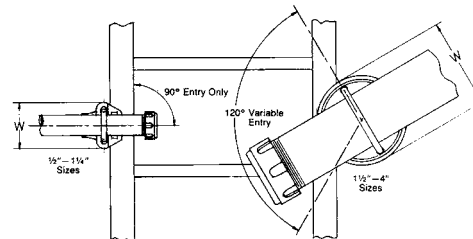
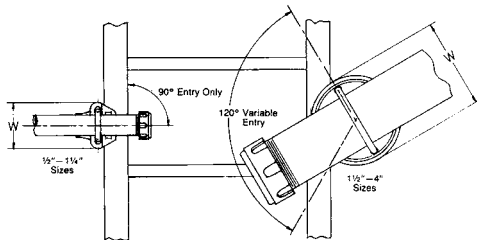
Type CTC-0507 and Type CTC-1012
12" — 114" Sizes
Right Angle to Tray

Type CTC-150 and Type CTC-400
112" — 4" Sizes
Variable Angle to Tray



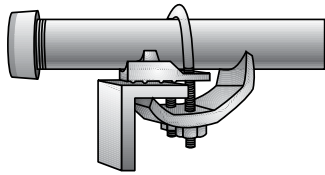
Type CTGC

Cable Tray Grounding clamps for use on most types of cable trays.

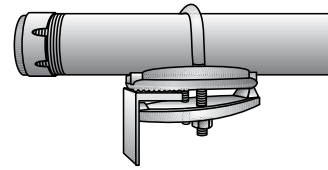
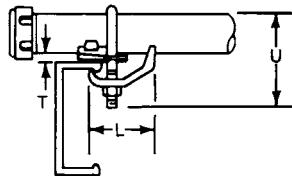


Tray-Bond™ Cable Tray Clamps

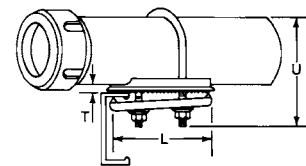
For Rigid Conduit, IMC and EMT.



Type CTC-0507 and Type CTC-1012
12" — 114" Sizes
Right Angle to Tray



Type CTC-150 and Type CTC-400
112" — 4" Sizes
Variable Angle to Tray



| Rigid or IMC, EMT Trade Size (Inches) | U-Bolt and Nut Size | Dimensions in Millimeters (Inches) | | | | Recommended Ins. Torque In. – Kgs. (Lbs.) | Catalog Number |
|--|--------------------------|------------------------------------|-----------------|----------------|------------------|--|-------------------|
| | | W | L | T | U | | |
| 1/2 -3/4 | 6.35 (0.25) - 508 (20) | 57.15 (2.25) | 57.15 (2.25) | 6.35 (0.25) | 63.5 (2.5) | 27 (60) | CTC-0507 |
| 1 - 1-1/4 | 7.87 (0.31) - 457.2 (18) | 73.15 (2.88) | 57.15 (2.25) | 6.35 (0.25) | 82.55 (3.25) | 52 (115) | CTC-1012 |
| 1-1/2 | 7.87 (0.31) - 457.2 (18) | 98.55 (3.88) | 88.9 (3.5) | 9.65 (0.38) | 88.9 (3.5) | 52 (115) | CTC-150 |
| 2 | 9.65 (0.38) - 406.4 (16) | 114.3 (4.5) | 101.6 (4) | 9.65 (0.38) | 101.6 (4) | 86 (190) | CTC-200 |
| 2-1/2 | 9.65 (0.38) - 406.4 (16) | 127 (5) | 114.3 (4.5) | 9.65 (0.38) | 114.3 (4.5) | 86 (190) | CTC-250 |
| 3 | 9.65 (0.38) - 406.4 (16) | 143 (5.63) | 130.3 (5.13) | 9.65 (0.38) | 133.35 (5.25) | 86 (190) | CTC-300 |
| 3-1/2 | 9.65 (0.38) - 406.4 (16) | 155.7 (6.13) | 139.7 (5.5) | 9.65 (0.38) | 146.05 (5.75) | 86 (190) | CTC-350 |
| 4 | 9.65 (0.38) - 406.4 (16) | 168.4 (6.63) | 152.4 (6) | 9.65 (0.38) | 158.75 (6.25) | 86 (190) | CTC-400 |

ETP Raintight 700GSR Series Gland Compression Connectors

Application

- To ground and secure EMT raceway to boxes and enclosures in wet conditions.

Features

- UL Listed Raintight.
- Green compression nut identifies the fitting as raintight.
- No disassembly required.
- Male hub threads NPS.
- Available with and without insulated throat.
- Concretetight.

Materials/Finish

- Body and nut: steel
- Knockout sealing ring: EPDM rubber
- Body and nut: zinc electroplate

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14895
- UL Listed Raintight



7100GSR



7100GSRT

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number | |
|------------------------|------------------------------------|---------------------|------------------|--|---------------------------|-----------------------------|------------------|
| | Body Length | Maximum Diameter | Thread Length | | | Without Insulated Throat | Insulated Throat |
| 1/2 | 36.6 (1.44) | 27.9 (1.10) | 8.6 (0.34) | | 4.5 (10) | 7050GSR | 7050GSRT |
| 3/4 | 38.1 (1.50) | 34.5 (1.36) | 8.6 (0.34) | | 6.8 (15) | 7075GSR | 7075GSRT |
| 1 | 44.5 (1.75) | 34.5 (1.36) | 9.9 (0.39) | | 10.0 (22) | 7100GSR | 7100GSRT |
| 1-1/4 | 50.8 (2.00) | 52.6 (2.07) | 10.2 (0.40) | | 16.3 (36) | 7125GSR | 7125GSRT |
| 1-1/2 | 50.8 (2.00) | 58.7 (2.31) | 10.2 (0.40) | | 18.1 (40) | 7150GSR | 7150GSRT |
| 2 | 58.9 (2.32) | 70.9 (2.79) | 10.4 (0.41) | | 24.5 (54) | 7200GSR | 7200GSRT |
| 2-1/2 | 91.9 (3.62) | 92.2 (3.63) | 16.5 (0.65) | | 68.0 (150) | 7250GSR | 7250GSRT |
| 3 | 95.3 (3.75) | 109.0 (4.29) | 16.5 (0.65) | | 83.9 (185) | 7300GSR | 7300GSRT |
| 3-1/2 | 97.8 (3.85) | 121.9 (4.80) | 18.3 (0.72) | | 97.5 (215) | 7350GSR | 7350GSRT |
| 4 | 99.1 (3.90) | 133.9 (5.27) | 18.3 (0.72) | | 108.0 (238) | 7400GSR | 7400GSRT |

ETP Raintight 600GSR Series Gland Compression Couplings

Application

- To ground and secure EMT raceway sections together in wet locations.

Features

- UL Listed Raintight.
- Green compression nut identifies the fitting as raintight.
- No disassembly required.
- Concretetight.

Materials/Finish

- Body and nut: steel
- Zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14895
- UL Listed Raintight



6050GSR – 6400GSR

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|------------------------|------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | | |
| 1/2 | 45.7 (1.80) | 27.9 (1.10) | 5.4 (12) | 6050GSR |
| 3/4 | 49.0 (1.93) | 34.5 (1.36) | 8.2 (18) | 6075GSR |
| 1 | 54.6 (2.15) | 41.4 (1.63) | 11.8 (26) | 6100GSR |
| 1-1/4 | 61.7 (2.43) | 52.6 (2.07) | 19.1 (42) | 6125GSR |
| 1-1/2 | 63.5 (2.50) | 59.0 (2.31) | 20.9 (46) | 6150GSR |
| 2 | 74.9 (2.95) | 71.0 (2.79) | 27.2 (60) | 6200GSR |
| 2-1/2 | 104.1 (4.10) | 92.2 (3.63) | 70.8 (156) | 6250GSR |
| 3 | 121.2 (4.77) | 109.0 (4.29) | 98.9 (218) | 6300GSR |
| 3-1/2 | 130.8 (5.15) | 121.9 (4.80) | 117.0 (258) | 6350GSR |
| 4 | 141.0 (5.55) | 134.0 (5.27) | 130.6 (288) | 6400GSR |

ETP 7000S Series Steel EMT Compression Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Male hub threads -NPS.
- Available with insulated throat.
- Concrete-tight.
- Insulated throat connector rated 90°C.

Materials/Finish

- Body and nut: steel
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14815, E14814
- cUL Listed: E14815
- CSA Standard: C22.2 No. 18.3
- NEMA: FB-1



7050S –7400S

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-------------|------------------|---------------|------------------------|----------------|---------------------------------|
| Trade Size (Inches) | Body Length | Maximum Diameter | Thread Length | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
| 1/2 | 28.7 (1.13) | 26.9 (1.06) | 9.7 (0.38) | 6.80 (15.00) | 7050S | 7050ST |
| 3/4 | 26.2 (1.03) | 31.8 (1.25) | 11.2 (0.44) | 9.53 (21.00) | 7075S | 7075ST |
| 1 | 31.8 (1.25) | 39.6 (1.56) | 11.2 (0.44) | 14.51 (32.00) | 7100S | 7100ST |
| 1-1/4 | 46.0 (1.81) | 50.8 (2.00) | 14.2 (0.56) | 32.66 (72.00) | 7125S | 7125ST |
| 1-1/2 | 50.8 (2.00) | 55.6 (2.19) | 14.2 (0.56) | 38.56 (85.00) | 7150S | 7150ST |
| 2 | 57.2 (2.25) | 68.3 (2.69) | 17.5 (0.69) | 56.25 (124.00) | 7200S | 7200ST |

ETP 7000US Series Steel EMT Compression Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Made in the U.S.A.
- Male hub threads - NPS.
- Available with insulated throat.
- Concretetight.
- Insulated throat temperature rated 90°C.

Materials/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895, E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14815
- CSA Certified: 028507
- NEMA: FB-1



7050US -7200US



7250US -7400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------------|------------------|-------------------|------------------------------------|
| | Body Length | Maximum Diameter | Thread Length | | |
| 1/2 | 26.9 (1.06) | 24.6 (0.97) | 9.7 (0.38) | 7050US | 7050UST |
| 3/4 | 28.7 (1.13) | 31.0 (1.22) | 10.4 (0.41) | 7075US | 7075UST |
| 1 | 31.8 (1.25) | 38.1 (1.50) | 11.2 (0.44) | 7100US | 7100UST |
| 1-1/4 | 36.6 (1.44) | 48.5 (1.91) | 12.7 (0.50) | 7125US | 7125UST |
| 1-1/2 | 39.6 (1.56) | 54.9 (2.16) | 13.5 (0.53) | 7150US | 7150UST |
| 2 | 42.9 (1.69) | 68.3 (2.69) | 15.0 (0.59) | 7200US | 7200UST |
| 2 - 1/2 | 103.1 (4.06) | 104.9 (4.13) | 31.8 (1.25) | 7250US | 7250UST |
| 3 | 104.9 (4.13) | 119.1 (4.69) | 35.1 (1.38) | 7300US | 7300UST |
| 3 - 1/2 | 108.0 (4.25) | 135.6 (5.34) | 35.8 (1.41) | 7350US | 7350UST |
| 4 | 114.3 (4.50) | 149.4 (5.88) | 38.1 (1.50) | 7400US | 7400UST |

ETP 4000S Series Steel EMT Set Screw Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Male hub threads -NPS.
- Available with insulated throat.
- Three-way combination screws 1/2" thru 1".
- Slotted hexhead screw 1-1/4" thru 4".
- Insulated throat connector rated 90°C.

Materials/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895, E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14895
- CSA Certified: 028507
- NEMA: FB-1



4050S-4100S



4125S - 4400S

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-------------|------------------|---------------|------------------------|----------------|---------------------------------|
| Trade Size (Inches) | Body Length | Maximum Diameter | Thread Length | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
| 1/2 | 26.2 (1.03) | 21.3 (0.84) | 11.2 (0.44) | 4.54 (10.00) | 4050S | 4050ST |
| 3/4 | 27.7 (1.09) | 27.4 (1.08) | 11.2 (0.44) | 6.80 (15.00) | 4075S | 4075ST |
| 1 | 30.2 (1.19) | 33.3 (1.31) | 11.2 (0.44) | 10.43 (23.00) | 4100S | 4100ST |
| 1-1/4 | 44.5 (1.75) | 42.9 (1.69) | 14.2 (0.56) | 19.05 (42.00) | 4125S | 4125ST |
| 1-1/2 | 49.3 (1.94) | 49.3 (1.94) | 14.2 (0.56) | 24.04 (53.00) | 4150S | 4150ST |
| 2 | 55.6 (2.19) | 60.5 (2.38) | 16.0 (0.63) | 34.02 (75.00) | 4200S | 4200ST |
| 2 - 1/2 | 60.5 (2.38) | 79.5 (3.13) | 22.4 (0.88) | 58.97 (130.00) | 4250S | 4250ST |
| 3 | 73.2 (2.88) | 95.3 (3.75) | 22.4 (0.88) | 104.33(230.00) | 4300S | 4300ST |
| 3 - 1/2 | 76.2 (3.00) | 108.0 (4.25) | 25.4 (1.00) | 113.40 (250.00) | 4350S | 4350ST |
| 4 | 81.0 (3.19) | 120.7 (4.75) | 25.4 (1.00) | 113.40 (250.00) | 4400S | 4400ST |

ETP 4000US Series Steel EMT Set Screw Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Made in the U.S.A.
- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Male hub threads -NPS.
- Available with insulated throat.
- Three-way combination screws 1/2" thru 2".
- Hexhead screw 2-1/2" thru 4".
- Insulated throat connector rated 90°C.

Materials/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 -2) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 -2) E14895, E14815
- NEMA: FB-1



4050US – 4200US



4250US – 4400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------------|------------------|-------------------|------------------------------------|
| | Body Length | Maximum Diameter | Thread Length | | |
| 1/2 | 29.5 (1.16) | 25.4 (1.00) | 9.7 (0.38) | 4050US | 4050UST |
| 3/4 | 31.0 (1.22) | 31.0 (1.22) | 10.4 (0.41) | 4075US | 4075UST |
| 1 | 38.1 (1.50) | 38.1 (1.50) | 11.2 (0.44) | 4100US | 4100UST |
| 1-1/4 | 42.9 (1.69) | 48.5 (1.91) | 12.7 (0.50) | 4125US | 4125UST |
| 1-1/2 | 48.5 (1.91) | 54.9 (2.16) | 13.5 (0.53) | 4150US | 4150UST |
| 2 | 50.8 (2.00) | 67.9 (2.66) | 15.0 (0.59) | 4200US | 4200UST |
| 2 - 1/2 | 66.8 (2.63) | 95.3 (3.75) | 31.8 (1.25) | 4250US | 4250UST |
| 3 | 77.7 (3.06) | 115.8 (4.56) | 35.1 (1.38) | 4300US | 4300UST |
| 3 - 1/2 | 77.7 (3.06) | 144.5 (5.69) | 35.8 (1.41) | 4350US | 4350UST |
| 4 | 84.8 (3.34) | 145.3 (5.72) | 38.1 (1.50) | 4400US | 4400UST |

ETP Steel EMT Set Screw Couplings

5000S Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Three-way combination screws 1/2" thru 1".
- Slotted hexhead screw 1-1/4" thru 4".

Material/Finish

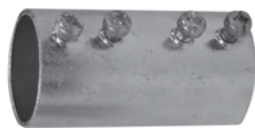
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 2) E14895, E14815
- UL Listed: (2-1/2 - 4) E11853, E14814
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14895, E14815
- CSA Certified: 028507
- NEMA: FB-1



5050S — 5100S



5125S — 5400S

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------------------|------------------|--|------------------------|----------------|
| | Body Length | Maximum Diameter | | | |
| 1/2 | 44.5 (1.75) | 21.3 (0.84) | | 4.54 (10.00) | 5050S |
| 3/4 | 54.1 (2.13) | 27.4 (1.08) | | 7.26 (16.00) | 5075S |
| 1 | 63.5 (2.50) | 33.3 (1.31) | | 1.34 (25.00) | 5100S |
| 1-1/4 | 82.6 (3.25) | 42.9 (1.69) | | 0.41 (45.00) | 5125S |
| 1-1/2 | 95.3 (3.75) | 49.3 (1.94) | | 7.22 (60.00) | 5150S |
| 2 | 101.6 (4.00) | 60.5 (2.38) | | 7.19 (82.00) | 5200S |
| 2 - 1/2 | 108.0 (4.25) | 79.5 (3.13) | | 5.30 (166.0) | 5250S |
| 3 | 114.3 (4.50) | 95.3 (3.75) | | 6.62 (213.0) | 5300S |
| 3 - 1/2 | 120.7 (4.75) | 108.0 (4.25) | | 7.93 (260.0) | 5350S |
| 4 | 127.0 (5.00) | 120.7 (4.75) | | 6.08 (300.0) | 5400S |

5000US Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Made in the U.S.A.
- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Three-way combination screws 1/2" thru 2".
- Hexhead screws 2-1/2" thru 4".

Material/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 2) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 - 2) E14815
- NEMA: FB-1



5050US — 5100US



5125US — 5400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|------------------|--|----------------|
| | Body Length | Maximum Diameter | | |
| 1/2 | 38.1 (1.50) | 22.4 (0.88) | | 5050US |
| 3/4 | 38.1 (1.50) | 28.7 (1.13) | | 5075US |
| 1 | 47.8 (1.88) | 35.8 (1.41) | | 5100US |
| 1-1/4 | 55.6 (2.19) | 44.5 (1.75) | | 5125US |
| 1-1/2 | 65.8 (2.59) | 51.6 (2.03) | | 5150US |
| 2 | 68.3 (2.69) | 63.5 (2.50) | | 5200US |
| 2 - 1/2 | 69.9 (2.75) | 00.1 (3.94) | | 5250US |
| 3 | 79.5 (3.13) | 15.8 (4.56) | | 5300US |
| 3 - 1/2 | 80.3 (3.16) | 28.5 (5.06) | | 5350US |
| 4 | 85.9 (3.38) | 45.3 (5.72) | | 5400US |

ETP Steel EMT Compression Couplings

6000S Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Concretetight.
- Raintight (wet locations) Canada.

Material/Finish

- Body and nut: steel.
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895
- cUL Listed: E14895, E14815
- CSA Certified: 009795
- NEMA: FB-1



6050S – 6400S

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 35.1 (1.38) | 21.3 (0.84) | 8.62 (19.00) | 6050S |
| 3/4 | 38.1 (1.50) | 35.1 (1.38) | 11.34 (25.00) | 6075S |
| 1 | 42.2 (1.66) | 33.3 (1.31) | 17.69 (39.00) | 6100S |
| 1-1/4 | 63.5 (2.50) | 42.9 (1.69) | 39.92 (88.00) | 6125S |
| 1-1/2 | 63.5 (2.50) | 49.3 (1.94) | 47.17 (104.00) | 6150S |
| 2 | 63.5 (2.50) | 60.5 (2.38) | 67.59 (149.00) | 6200S |
| 2 - 1/2 | 108.0 (4.25) | 79.5 (3.13) | 108.86 (240.00) | 6250S |
| 3 | 114.3 (4.50) | 95.3 (3.75) | 158.76 (350.00) | 6300S |
| 3 - 1/2 | 120.7 (4.75) | 108.0 (4.25) | 215.46 (475.00) | 6350S |
| 4 | 127.0 (5.00) | 120.7 (4.75) | 272.16 (600.00) | 6400S |

Rated for steel EMT, aluminum and steel RMC, and steel IMC.

6000US Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Made in the U.S.A.
- Concretetight.
- Raintight (wet locations) Canada.

Material/Finish

- Body and nut: steel.
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 3) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 - 3) E14815
- NEMA: FB-1



6050S — 6200US



6250US — 6400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 34.0 (1.34) | 0.97 (24.6) | | 6050US |
| 3/4 | 34.0 (1.34) | 31.0 (1.22) | | 6075US |
| 1 | 35.8 (1.41) | 38.1 (1.50) | | 6100US |
| 1-1/4 | 44.5 (1.75) | 48.5 (1.91) | | 6125US |
| 1-1/2 | 47.8 (1.88) | 54.9 (2.16) | | 6150US |
| 2 | 54.1 (2.13) | 68.3 (2.69) | | 6200US |
| 2 - 1/2 | 139.7 (5.50) | 104.9 (4.13) | | 6250US |
| 3 | 139.7 (5.50) | 119.1 (4.69) | | 6300US |
| 3 - 1/2 | 143.0 (5.63) | 135.6 (5.34) | | 6350US |
| 4 | 146.1 (5.75) | 149.4 (5.88) | | 6400US |

Type 8000W and Type 3000W EMT Angle Compression Connectors

Features

- Concretetight.
- Male hub threads NPS
- Available with insulated throat

Standard Materials

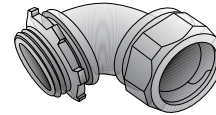
- Malleable iron

Standard Finishes

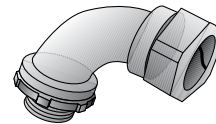
- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14895
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795

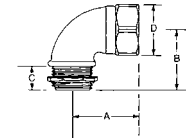


Type 8050W

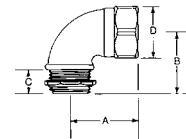


Type 3050W

| 90° EMT Short Angle Elbows | Dimensions in Millimeters (Inches) | | | | | Turning Radius | Catalog Number | Insulated Throat Catalog Number |
|----------------------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|--|
| | Trade Size (Inches) | A | B | C | D | | | |
| 1/2 | 31.75 (1.25) | 28.7 (1.13) | 12.7 (0.5) | 28.7 (1.13) | 16 (0.63) | 8050W | 8050WT | |
| 3/4 | 44.45 (1.75) | 36.58 (1.44) | 14.22 (0.56) | 35.05 (1.38) | 17.53 (0.69) | 8075W | 8075WT | |
| 1 | 44.45 (1.75) | 41.4 (1.63) | 12.7 (0.5) | 44.45 (1.75) | 26.92 (1.06) | 8100W | — | |
| 1-1/4 | 57.15 (2.25) | 54.1 (2.13) | 14.22 (0.56) | 55.63 (2.19) | 28.7 (1.13) | 8125W | — | |
| 1-1/2 | 63.5 (2.5) | 60.45 (2.38) | 14.22 (0.56) | 63.5 (2.5) | 41.4 (1.63) | 8150W | — | |
| 2 | 77.72 (3.06) | 74.68 (2.94) | 17.53 (0.69) | 77.72 (3.06) | 63.5 (2.5) | 8200W | — | |



| 90° EMT Short Angle Elbows | Dimensions in Millimeters (Inches) | | | | Wire Radius | Catalog Number |
|----------------------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| | Trade Size (Inches) | A | B | C | | |
| 1/2 | 50.8 (2) | 49.28 (1.94) | 12.7 (0.5) | 28.7 (1.13) | 31.75 (1.25) | 3050W |
| 3/4 | 61.98 (2.44) | 61.98 (2.44) | 16 (0.63) | 35.05 (1.38) | 36.58 (1.44) | 3075W |
| 1 | 66.8 (2.63) | 65.02 (2.56) | 17.53 (0.69) | 44.45 (1.75) | 47.75 (1.88) | 3100W |
| 1-1/4 | 77.72 (3.06) | 76.2 (3) | 42.93 (1.69) | 55.63 (2.19) | 57.15 (2.25) | 3125W |



Type 8E and Type OEG EMT Angle Compression Connectors

Features

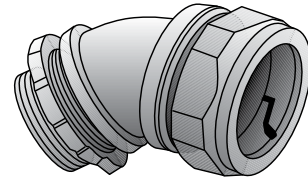
- Male hub threads NPS.

Standard Materials

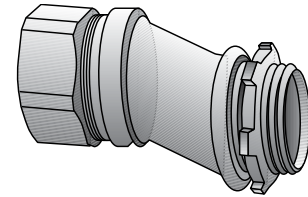
- Malleable iron

Standard Finishes

- Zinc plated

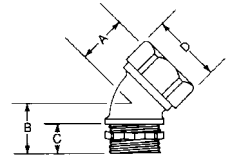


Type 8E

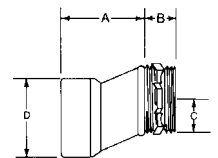


Type OEG

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|-------------------------------|------------------------------------|--------------|--------------|--------------|----------------|
| | A | B | Offset C | D | |
| 45° Short Angle Elbows | | | | | |
| 1/2 | 23.88 (0.94) | 23.88 (0.94) | 12.7 (0.5) | 28.7 (1.13) | 8E-450 |
| 3/4 | 20.57 (0.81) | 31.75 (1.25) | 14.22 (0.56) | 35.05 (1.38) | 8E-475 |
| 1 | 22.35 (0.88) | 36.58 (1.44) | 16 (0.63) | 44.45 (1.75) | 8E-4100 |



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|----------------------------------|------------------------------------|--------------|-------------|--------------|----------------|
| | A | B | Offset C | D | |
| Offset Connectors for EMT | | | | | |
| 1/2 | 31.75 (1.25) | 12.7 (0.5) | 9.65 (0.38) | 28.7 (1.13) | OEG-50 |
| 3/4 | 33.27 (1.31) | 12.7 (0.5) | 9.65 (0.38) | 35.05 (1.38) | OEG-75 |
| 1 | 33.27 (1.31) | 14.22 (0.56) | 9.65 (0.38) | 44.45 (1.75) | OEG-100 |



Type 9000W EMT Combination Couplings

Applications

- For compression EMT to flexible steel conduit.

Standard Materials

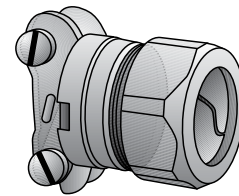
- Malleable iron

Standard Finishes

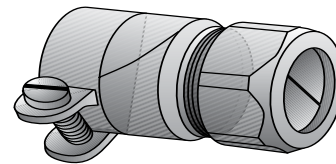
- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795
- NEMA: FB-1

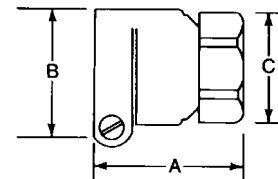


Type 9038-W



Type 9050-W — Type 9200-W

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|----------------|
| | A | B | C | |
| 1/2 3/8 | 30.23 (1.19) | 36.58 (1.44) | 28.7 (1.13) | 9038-W ① |
| 1/2 | 41.4 (1.63) | 38.1 (1.5) | 31.75 (1.25) | 9050-W |
| 3/4 | 49.28 (1.94) | 44.45 (1.75) | 38.1 (1.5) | 9075-W |
| 1 | 50.8 (2) | 55.63 (2.19) | 47.75 (1.88) | 9100-W |
| 1-1/4 | 55.63 (2.19) | 61.98 (2.44) | 57.15 (2.25) | 9125-W |
| 1-1/2 | 74.68 (2.94) | 69.85 (2.75) | 63.5 (2.5) | 9150-W |
| 2 | 82.55 (3.25) | 88.9 (3.5) | 77.72 (3.06) | 9200-W |



① Not UL Listed.

Type 8000SS and OE EMT Angle Set–Screw Connectors

Type 8000SS

Features

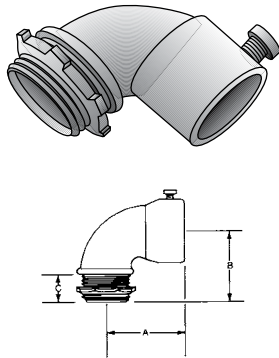
- Male hub threads NPS.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc plated



Type OE

Features

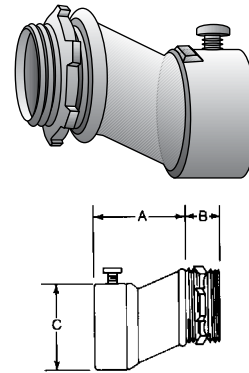
- Male hub threads NPS.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc plated



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|-------------------|
| | A | B | C | |
| 1/2 | 28.7 (1.13) | 28.7 (1.13) | 12.7 (0.5) | 8050SS |
| 3/4 | 36.58 (1.44) | 36.58 (1.44) | 11.18 (0.44) | 8075SS |
| 1 | 41.4 (1.63) | 41.4 (1.63) | 11.18 (0.44) | 8100SS |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|-------------------|
| | A | B | C | |
| 1/2 | 42.93 (1.69) | 12.7 (0.5) | 16 (0.63) | OE-50 |
| 3/4 | 42.93 (1.69) | 12.7 (0.5) | 16 (0.63) | OE-75 |
| 1 | 44.45 (1.75) | 14.22 (0.56) | 17.53 (0.69) | OE-100 |

Type 15, THTW and 333G EMT Straps

Features

- Snap type-double ribbed.

Standard Materials

- Steel

Standard Finishes

- Zinc plated

NEC/CEC Certifications and Compliances

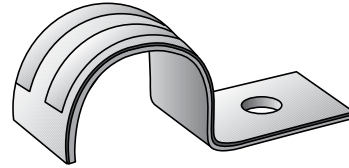
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795

Standard Materials

- Malleable iron

Standard Finishes

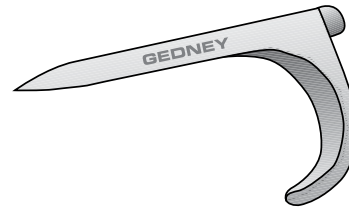
- Mechanical galvanized



Type 15

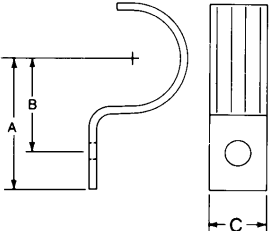


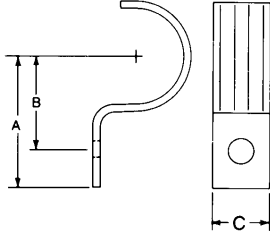
Type THTW

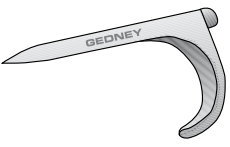


Type 333G

Type 15, THTW and 333G EMT Straps

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Bolt Size | Catalog Number |
|---|------------------------|------------------------------------|--------------|--------------|----------------|-------------------|
| | | A | B | C | | |
| One Hole | | | | | | |
|  <p>Type 15</p> | 1/2 | 31.75 (1.25) | 22.35 (0.88) | 14.22 (0.56) | 6.35 (0.25) | 15-50S |
| | 3/4 | 35.05 (1.38) | 26.92 (1.06) | 16 (0.63) | 6.35 (0.25) | 15-75S |
| | 1 | 41.4 (1.63) | 31.75 (1.25) | 19.05 (0.75) | 6.35 (0.25) | 15-100S |
| | 1-1/4 | 50.8 (2) | 38.1 (1.5) | 22.35 (0.88) | 7.87 (0.31) | 15-125S |
| | 1-1/2 | 54.1 (2.13) | 42.93 (1.69) | 25.4 (1) | 9.65 (0.38) | 15-150S |
| | 2 | 66.8 (2.63) | 50.8 (2) | 28.7 (1.13) | 11.18 (0.44) | 15-200S |
| | 2-1/2 | 111.25 (4.38) | 66.8 (2.63) | 31.75 (1.25) | 12.7 (0.5) | 14-250S |
| | 3 | 120.65 (4.75) | 76.2 (3) | 31.75 (1.25) | 12.7 (0.5) | 14-300S |
| | 3-1/2 | 131.83 (5.19) | 90.42 (3.56) | 38.1 (1.5) | 16 (0.63) | 14-350S |
| 4 | 138.18 (5.44) | 100.08 (3.94) | 38.1 (1.5) | 16 (0.63) | 14-400S | |

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Bolt Size | Catalog Number |
|---|------------------------|------------------------------------|---------------|--------------|-----------------|-------------------|
| | | A | B | C | | |
| Two Hole | | | | | | |
|  <p>Type THTW</p> | 1/2 | 40.39 (1.59) | 54.1 (2.13) | 16 (0.63) | 4.83 (0.19) | THTW-50S |
| | 3/4 | 43.69 (1.72) | 57.15 (2.25) | 16 (0.63) | 4.83 (0.19) | THTW-75S |
| | 1 | 54.86 (2.16) | 73.15 (2.88) | 18.29 (0.72) | 6.35 (0.25) | THTW-100S |
| | 1-1/4 | 70.61 (2.78) | 88.9 (3.5) | 18.29 (0.72) | 6.35 (0.25) | THTW-125S |
| | 1-1/2 | 80.26 (3.16) | 95.25 (3.75) | 18.29 (0.72) | 6.35 (0.25) | THTW-150S |
| | 2 | 96.77 (3.81) | 113.54 (4.47) | 18.29 (0.72) | 6.35 (0.25) | THTW-200S |
| | 2-1/2 | 119.13 (4.69) | 145.29 (5.72) | 25.4 (1) | 7.87 (0.31) | THR-250S |
| | 3 | 144.53 (5.69) | 171.45 (6.75) | 25.4 (1) | 7.87 (0.31) | THR-300S |
| | 3-1/2 | 160.27 (6.31) | 185.67 (7.31) | 25.4 (1) | 7.87 (0.31) | THR-350S |
| 4 | 173.74 (6.84) | 198.37 (7.81) | 25.4 (1) | 7.87 (0.31) | THR-400S | |

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---|------------------------|------------------------------------|----------------------|-------------------|
| | | Nail Length | Nominal Thickness | |
|  <p>Type 333G</p> | 1/2 | 55.63 (2.19) | 4.83 (0.19) | 333G |
| | 3/4 | 63.5 (2.5) | 4.83 (0.19) | 334G |
| | 1 | 73.15 (2.88) | 4.83 (0.19) | 335G |

Type 15-G and 141G EMT Malleable Iron Straps and Spacers

Type 15-G

Standard Materials

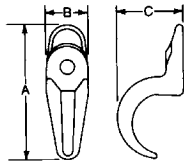
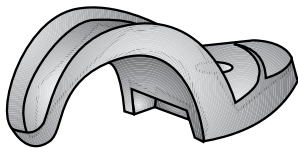
- Malleable iron

Standard Finishes

- Hot dip galvanized

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18
- CSA Certified: 9795



Type 141G

Standard Materials

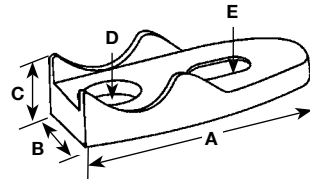
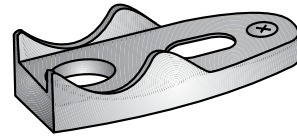
- Malleable iron or cast iron

Standard Finishes

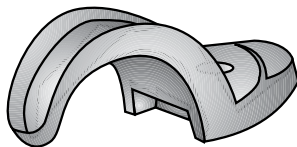
- Mechanically galvanized or hot dip galvanized

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18
- CSA Certified: 9795

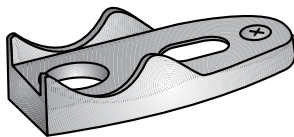


Type 15-G and 141GEMT Malleable Iron Straps and Spacers



Type 15-G

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Bolt Size | Catalog Number |
|--|------------------------|------------------------------------|--------------|---------------|--------------|------------------|-------------------|
| | | A | B | C | | | |
| | 1/2 | 49.28 (1.94) | 19.05 (0.75) | 22.35 (0.88) | 6.35 (0.25) | 15-50G | |
| | 3/4 | 56.39 (2.22) | 18.29 (0.72) | 28.7 (1.13) | 6.35 (0.25) | 15-75G | |
| | 1 | 64.26 (2.53) | 19.05 (0.75) | 34.04 (1.34) | 6.35 (0.25) | 15-100G | |
| | 1-1/4 | 65.79 (2.59) | 19.81 (0.78) | 34.04 (1.34) | 7.87 (0.31) | 15-125G | |
| | 1-1/2 | 82.55 (3.25) | 22.35 (0.88) | 49.28 (1.94) | 9.65 (0.38) | 15-150G | |
| | 2 | 96.01 (3.78) | 25.4 (1) | 61.98 (2.44) | 11.18 (0.44) | 15-200G | |
| | 2-1/2 | 150.88 (5.94) | 35.05 (1.38) | 77.72 (3.06) | 12.7 (0.5) | 14-250G ① | |
| | 3 | 188.98 (7.44) | 41.4 (1.63) | 96.77 (3.81) | 12.7 (0.5) | 14-300G ① | |
| | 3-1/2 | 208.03 (8.19) | 45.97 (1.81) | 111.25 (4.38) | 16 (0.63) | 14-350G ① | |
| | 4 | 220.73 (8.69) | 50.8 (2) | 127 (5) | 16 (0.63) | 14-400G ① | |



Type 141G

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|--|------------------------|------------------------------------|------------------|-----------------|-----------------|--------------------------------|-------------------|
| | | A | B | C | D | E | |
| | 1/2 | 35.81 (1.41) | 26.92 (1.06) | 11.18 (0.44) | 9.65 (0.38) | 9.65 (0.38) x 14.22 (0.56) | 141G |
| | 3/4 | 63.5 (2.5) | 28.7 (1.13) | 12.7 (0.5) | 9.65 (0.38) | 11.18 (0.44) x 14.22 (0.56) | 142G |
| | 1 | 81.03 (3.19) | 30.99 (1.22) | 14.22 (0.56) | 9.65 (0.38) | 11.18 (0.44)x 19.05 (0.75) | 143G |
| | 1-1/4 | 93.73 (3.69) | 35.81 (1.41) | 17.78 (0.7) | 12.7 (0.5) | 12.7 (0.5) 19.05x (0.75) | 144G |
| | 1-1/2 | 100.08 (3.94) | 39.62 (1.56) | 20.57 (0.81) | 14.22 (0.56) | 13.97 (0.55)x 23.88 (0.94) | 145G |
| | 2 | 130.3 (5.13) | 50.8 (2) | 19.05 (0.75) | 14.22 (0.56) | 16 (0.63) x 25.4 (1) | 146G |
| | 2-1/2 | 146.05 (5.75) | 62.74 (2.47) | 19.05 (0.75) | 11.94 (0.47) | 16 (0.63) x 28.7 (1.13) | 147G |
| | 3 | 181.1 (7.13) | 71.37 (2.81) | 20.57 (0.81) | 11.94 (0.47) | 16 (0.63) x 28.7 (1.13) | 148G |
| | 3-1/2 | 203.2 (8) | 81.79 (3.22) | 24.64 (0.97) | 11.94 (0.47) | 17.53 (0.69) x 34.04 (1.34) | 149G |
| | 4 | 222.25 (8.75) | 86.61 (3.41) | 24.64 (0.97) | 11.94 (0.47) | 18.29 (0.72) x 32.51 (1.28) | 150G |
| | 5 | 254 (10) | 94.49 (3.72) | 30.48 (1.2) | 12.7 (0.5) | 18.29 (0.72) x 32.51 (1.28) | 151G |
| | 6 | 299.97 (11.81) | 100.08 (3.94) | 38.1 (1.5) | 12.7 (0.5) | 31.75 (1.25) x 50.8 (2) | 152G |

① Suitable for use with rigid conduit or IMC.

② Cast Iron

ETP 4QS Straight 45° and 90° Steel Liquidtight Fittings

Type 4QS

Suitable for use in the following NEC/CEC Governed Locations:

- Class I, Division 2 per NEC 501.10(B)(4)
- Class I, Zone 2 per NEC 505.15(C)(2)
- Class II, Division 2 per NEC 502.4(A)(1)(e)
- Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:

- Class III, Division 1 per NEC 503.3(A)(2)
- Class III, Division 2 per NEC 503.3(B)

Application

- 4QS liquidtight connectors and liquidtight fl exible metallic conduit are used in applications where conditions of installation, operation or maintenance require fl exibility or protection from liquids, vapors or solids such as: machine tool building, motor and transformer terminations, robotics assembly, air conditioning equipment installation and Class I, Division 2 wiring.

Features

- Tapered threaded male NPT hub.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight.
- UL Listed liquidtight fl exible metal conduit fittings from 3/8" thru 1-1/4" trade sizes are suitable for grounding.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Suitable for use in the following Hazardous Locations:
- Reusable ferrule.

Standard Material/Finish

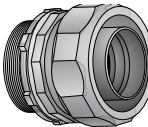
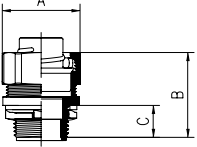
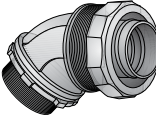
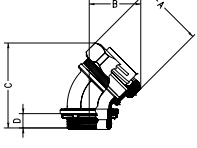
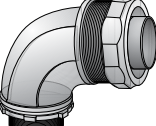
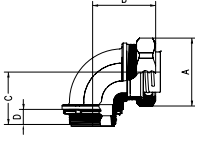
- 3/8" thru 1": steel/zinc plated
- 1-1/2" thru 4": malleable iron
- Ferrule: steel/zinc plated
- Sealing ring: nylon

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 009795
- NEMA: FB-1

Related Products

- Bonding locknuts are recommended in hazardous locations

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number | | |
|---|------------------------------------|---------------|---------------|---------------|-----------------|---------------------------------|------------------|---|
| | A | B | C | D | | | | |
| Straight Type 4QS-38 — Type 4QS-400 | | | | | | | | |
|  | 3/8 (1/2 KO) | 30.99 (1.22) | 38.1 (1.5) | 13.72 (0.54) | — | 4QS-38 | 4QS-38T |  |
| | 1/2 | 34.54 (1.36) | 39.62 (1.56) | 13.72 (0.54) | — | 4QS-50 | 4QS-50T | |
| | 3/4 | 41.15 (1.62) | 40.64 (1.6) | 15.24 (0.6) | — | 4QS-75 | 4QS-75T | |
| | 1 | 48.26 (1.9) | 46.74 (1.84) | 16.76 (0.66) | — | 4QS-100 | 4QS-100T | |
| | 1-1/4 | 62.48 (2.46) | 47.75 (1.88) | 18.8 (0.74) | — | 4QS-125 | 4QS-125T | |
| | 1-1/2 | 69.09 (2.72) | 52.83 (2.08) | 19.3 (0.76) | — | 4QS-150 | 4QS-150T | |
| | 2 | 88.39 (3.48) | 58.93 (2.32) | 19.3 (0.76) | — | 4QS-200 | 4QS-200T | |
| | 2-1/2 | 97.03 (3.82) | 86.11 (3.39) | 25.91 (1.02) | — | 4QS-250 | 4QS-250T | |
| | 3 | 116.08 (4.57) | 97.03 (3.82) | 26.92 (1.06) | — | 4QS-300 | 4QS-300T | |
| | 3-1/2 | 132.84 (5.23) | 97.03 (3.82) | 27.94 (1.1) | — | 4QS-350 | 4QS-350T | |
| 4 | 149.1 (5.87) | 95.25 (3.75) | 28.96 (1.14) | — | 4QS-400 | 4QS-400T | | |
| 45° Type 4QS-438 — Type 4QS-4400 | | | | | | | | |
|  | 3/8 (1/2 KO) | 30.99 (1.22) | 30.23 (1.19) | 57.66 (2.27) | 13.72 (0.54) | 4QS-438 | 4QS-438T |  |
| | 1/2 | 34.54 (1.36) | 34.29 (1.35) | 60.2 (2.37) | 13.72 (0.54) | 4QS-450 | 4QS-450T | |
| | 3/4 | 41.15 (1.62) | 33.53 (1.32) | 64.26 (2.53) | 15.24 (0.6) | 4QS-475 | 4QS-475T | |
| | 1 | 48.26 (1.9) | 42.16 (1.66) | 77.72 (3.06) | 16.76 (0.66) | 4QS-4100 | 4QS-4100T | |
| | 1-1/4 | 62.48 (2.46) | 51.56 (2.03) | 92.96 (3.66) | 18.8 (0.74) | 4QS-4125 | 4QS-4125T | |
| | 1-1/2 | 69.09 (2.72) | 57.15 (2.25) | 100.08 (3.94) | 19.3 (0.76) | 4QS-4150 | 4QS-4150T | |
| | 2 | 88.39 (3.48) | 68.33 (2.69) | 113.03 (4.45) | 19.3 (0.76) | 4QS-4200 | 4QS-4200T | |
| | 2-1/2 | 97.03 (3.82) | 98.81 (3.89) | 175.01 (6.89) | 25.91 (1.02) | 4QS-4250 | 4QS-4250T | |
| | 3 | 116.08 (4.57) | 111 (4.37) | 189.99 (7.48) | 26.92 (1.06) | 4QS-4300 | 4QS-4300T | |
| | 3-1/2 | 132.84 (5.23) | 115.32 (4.54) | 198.88 (7.83) | 27.94 (1.1) | 4QS-4350 | 4QS-4350T | |
| 4 | 149.1 (5.87) | 121.41 (4.78) | 210.06 (8.27) | 28.96 (1.14) | 4QS-4400 | 4QS-4400T | | |
| 90° Type 4QS-938 — Type 4QS-9400 | | | | | | | | |
|  | 3/8 (1/2 KO) | 30.99 (1.22) | 40.89 (1.61) | 35.05 (1.38) | 13.72 (0.54) | 4QS-938 | 4QS-938T |  |
| | 1/2 | 34.54 (1.36) | 39.88 (1.57) | 35.56 (1.4) | 13.72 (0.54) | 4QS-950 | 4QS-950T | |
| | 3/4 | 41.15 (1.62) | 41.4 (1.63) | 41.91 (1.65) | 15.24 (0.6) | 4QS-975 | 4QS-975T | |
| | 1 | 48.26 (1.9) | 52.83 (2.08) | 49.28 (1.94) | 16.76 (0.66) | 4QS-9100 | 4QS-9100T | |
| | 1-1/4 | 62.48 (2.46) | 59.44 (2.34) | 52.83 (2.08) | 18.8 (0.74) | 4QS-9125 | 4QS-9125T | |
| | 1-1/2 | 69.09 (2.72) | 66.04 (2.6) | 57.91 (2.28) | 19.3 (0.76) | 4QS-9150 | 4QS-9150T | |
| | 2 | 88.39 (3.48) | 75.44 (2.97) | 65.02 (2.56) | 19.3 (0.76) | 4QS-9200 | 4QS-9200T | |
| | 2-1/2 | 97.03 (3.82) | 135.89 (5.35) | 114.05 (4.49) | 25.91 (1.02) | 4QS-9250 | 4QS-9250T | |
| | 3 | 116.08 (4.57) | 139.95 (5.51) | 121.92 (4.8) | 26.92 (1.06) | 4QS-9300 | 4QS-9300T | |
| | 3-1/2 | 132.84 (5.23) | 154.94 (6.1) | 129.03 (5.08) | 27.94 (1.1) | 4QS-9350 | 4QS-9350T | |
| 4 | 149.1 (5.87) | 154.94 (6.1) | 135.89 (5.35) | 28.96 (1.14) | 4QS-9400 | 4QS-9400T | | |

Capacity of Steel Boxes and Covers

314.16 Number of Conductors in Outlet, Device, and Junction Boxes, and Conduit Bodies. Boxes and conduit bodies shall be of sufficient size to provide free space for all enclosed conductors. In no case shall the volume of the box, as calculated in 314.16(A), be less than the fill calculation as calculated in 314.16(B). The minimum volume for conduit bodies shall be as calculated in 314.16(C).

The provisions of this section shall not apply to terminal housings supplied with motors.

FPN: For volume requirements of motor terminal housings, see 430.12.

Boxes and conduit bodies enclosing conductors 4 AWG or larger shall also comply with the provisions of 314.28.

(A) Box Volume Calculations. The volume of a wiring enclosure (box) shall be the total volume of the assembled sections and, where used, the space provided by plaster rings, domed covers, extension rings, and so forth, that are marked with their volume or are made from boxes the dimensions of which are listed in Table 314.16(A).

(1) Standard Boxes. The volumes of standard boxes that are not marked with their volume shall be as given in Table 314.16(A).

(2) Other Boxes. Boxes 1650 cm³ (100 in.³) or less, other than those described in Table 314.16(A), and Nonmetallic boxes shall be durably and legibly marked by the manufacturer with their volume. Boxes described in Table 314.16(A) that have a volume larger than is designated in the table shall be permitted to have their volume marked as required by this section.

(B) Box Fill Calculations. The volumes in paragraphs 314.16(B) (1) through (B) (5), as applicable, shall be added together. No allowance shall be required for small fittings such as locknuts and bushings.

Table 314.16(A) Metal Boxes

| Box Trade Size mm (in) | | Minimum Volume cm ³ (in. ³) | Maximum Number of Conductors ① | | | | | | |
|---------------------------|---------------------------------|--|-----------------------------------|----|----|----|----|----|---|
| | | | 18 | 16 | 14 | 12 | 10 | 8 | 6 |
| 100x32 (4x1¼) | round/ octagon | 205 (12.5) | 8 | 7 | 6 | 5 | 5 | 5 | 2 |
| 100x38 (4x1½) | round/ octagon | 254 (15.5) | 10 | 8 | 7 | 6 | 6 | 5 | 3 |
| 100x54 (4x2) | round/ octagon | 353 (21.5) | 14 | 12 | 10 | 9 | 8 | 7 | 4 |
| 100x32 (4x1¼) | square | 295 (18) | 12 | 10 | 9 | 8 | 7 | 6 | 3 |
| 100x38 (4x1½) | square | 344 (21) | 14 | 12 | 10 | 9 | 8 | 7 | 4 |
| 100x54 (4x2) | square | 497 (30.3) | 20 | 17 | 15 | 13 | 12 | 10 | 6 |
| 120x32 (4x1¼) | square | 418 (25.5) | 17 | 14 | 12 | 11 | 10 | 8 | 5 |
| 120x38 (4x1½) | square | 484 (29.5) | 19 | 16 | 14 | 13 | 11 | 9 | 5 |
| 120x54 (4x2) | square | 689 (42) | 28 | 24 | 21 | 18 | 16 | 14 | 8 |
| 75x50x38 (3x2x1½) | device | 123 (7.5) | 5 | 4 | 3 | 3 | 3 | 2 | 1 |
| 75x50x50 (3x2x2) | device | 164 (10) | 6 | 5 | 5 | 4 | 4 | 3 | 2 |
| 75x50x57 (3x2x2¼) | device | 172 (10.5) | 7 | 6 | 5 | 4 | 4 | 3 | 2 |
| 75x50x65 (3x2x2½) | device | 205 (12.5) | 8 | 7 | 6 | 5 | 5 | 4 | 2 |
| 75x50x70 (3x2x2¾) | device | 230 (14) | 9 | 8 | 7 | 6 | 5 | 4 | 2 |
| 75x50x90 (3x2x3½) | device | 295 (18) | 12 | 10 | 9 | 8 | 7 | 6 | 3 |
| 100x54x38 (4x2x1½) | device | 169 (10.3) | 6 | 5 | 5 | 4 | 4 | 3 | 2 |
| 100x54x48 (4x2x1) | device | 213 (13) | 8 | 7 | 6 | 5 | 5 | 4 | 2 |
| 100x54x54 (4x2x2) | device | 238 (14.5) | 9 | 8 | 7 | 6 | 5 | 4 | 2 |
| 95x50x65 (3¾x2x2½) | masonry box/gang | 230 (14) | 9 | 8 | 7 | 6 | 5 | 4 | 2 |
| 95x50x90 (3¾x2x3½) | masonry box/gang | 344 (21) | 14 | 12 | 10 | 9 | 8 | 7 | 4 |
| min. 44.5 depth | FS - single cover/ gang (1¾) | 221 (13.5) | 9 | 7 | 6 | 6 | 5 | 4 | 2 |
| min. 60.3 depth | FD - single cover/ gang (2) | 295 (18) | 12 | 10 | 9 | 8 | 7 | 6 | 3 |
| min. 44.5 depth | FS - multi. cover/ gang (1¾) | 295 (18) | 12 | 10 | 9 | 8 | 7 | 6 | 3 |
| min. 60.3 depth | FD - multi. cover/ gang (2) | 395 (24) | 16 | 13 | 12 | 10 | 9 | 8 | 4 |

① Where no volume allowances are required by 314.16(B)(2) through (B)(5).
Reproduced with permission NFPA. – All National Electrical Code references are from the 2008 edition.

(1) Conductor Fill. Each conductor that originates outside the box and terminates or is spliced within the box shall be counted once, and each conductor that passes through the box without splice or termination shall be counted once. A looped, unbroken conductor not less than twice the minimum length required for free conductors in 300.14 shall be counted twice. The conductor fill shall be calculated using Table 314.16(B). A conductor, no part of which leaves the box, shall not be counted.

Exception: An equipment grounding conductor or conductors or not over four fixture wires smaller than 14 AWG, or both, shall be permitted to be omitted from the calculations where they enter a box from a domed luminaire (fixture) or similar canopy and terminate within that box.

(2) Clamp Fill. Where one or more internal cable clamps, whether factory or field supplied, are present in the box, a single volume allowance in accordance with Table 314.16(B) shall be made based on the largest conductor present in the box. No allowance shall be required for a cable connector with its clamping mechanism outside the box.

(3) Support Fittings Fill. Where one or more luminaire (fixture) studs or hickey are present in the box, a single volume allowance in accordance with Table 314.16(B) shall be made for each type of fitting based on the largest conductor present in the box.

Table 314.16(B) Volume Allowance Required per Conductor

| Size of Conductor (AWG) | Free Space Within Box for Each Conductor cm ³ (in. ³) |
|-------------------------|---|
| 18 | 24.6 (1.50) |
| 16 | 28.7 (1.75) |
| 14 | 32.8 (2.00) |
| 12 | 36.9 (2.25) |
| 10 | 41 (2.50) |
| 8 | 49.2 (3.00) |
| 6 | 81.9 (5.00) |

(4) Device or Equipment Fill. For each yoke or strap containing one or more devices or equipment, a double volume allowance in accordance with Table 314.16(B) shall be made for each yoke or strap based on the largest conductor connected to a device(s) or equipment supported by that yoke or strap.

(5) Equipment Grounding Conductor Fill. Where one or more equipment grounding conductors or equipment bonding jumpers enter a box, a single volume allowance in accordance with Table 314.16(B) shall be made based on the largest equipment grounding conductor or equipment bonding jumper present in the box. Where an additional set of equipment grounding conductors, as permitted by 250.146(D), is present in the box, an additional volume allowance shall be made based on the largest equipment grounding conductor in the additional set.

406.8 Receptacles in Damp or Wet Locations.

(B) Wet Locations.

(1) 15- and 20-Ampere Receptacles in a Wet Location. 15- and 20-Ampere, 125- and 250-Volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with (B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

Outlet and Switch Boxes

Material, Finish, Knockouts, Fire-Rated Assemblies, Compliances, Groundskeeper Raised Ground Boss

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B, 514D

UL Listed: E2527

NEMA: FB-1, OS-1

Material/Finish

- AISI/SAE 1008
- Pre-galvanized G60, 0.60 oz/sq ft
- Thickness: 0.0625" minimum

Concentric and Eccentric Knockouts

- Boxes with concentric or eccentric knockouts are suitable for bonding without any additional bonding means where used in circuits above or below 250 V. Unless otherwise noted all concentric or eccentric knockouts are 1/2" – 3/4" combinations.

Use in Fire-Rated Assemblies

- Single and double gang metallic outlet and switch boxes are acceptable for use in two-hour fire rated walls. For additional information refer to the UL guide card information for metallic outlet boxes, QCIT.

Groundskeeper Raised Ground Boss

- Groundskeeper raised ground feature on boss inside box provides one or two #10-32 tapped hole, allowing a 3/8" long green ground screw to be threaded into box without contacting mounting surface. Other boxes provided with flat ground tapped hole, except Plenum Boxes.

NEC/CEC Compliances and Certifications

- UL Standard: 514A, ANSI/UL 514B, 514D
- UL Listed: E2527
- NEMA: FB-1, OS-1

Styles of Clamps and Brackets

NEC/CEC:
 UL Standard: 514A, ANSI/UL 514B
 UL Listed: E2527
 NEMA: FB-1, OS-1

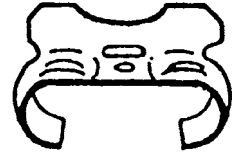
Clamps ①



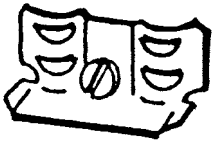
CL-9
 For nonmetallic cable



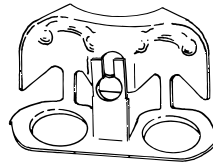
CL-20
 For nonmetallic cable



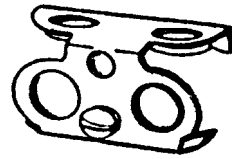
CL-24
 For nonmetallic cable



CL-26
 For nonmetallic cable

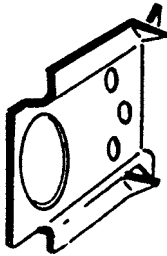


CL-13
 For armored cable (AC), metal-clad cable (MCI, MCI-A, MCC) and flexible metal conduit

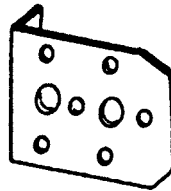


CL-25
 For armored cable and flexible metal conduit

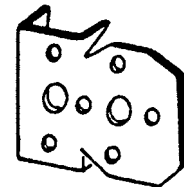
Brackets ①



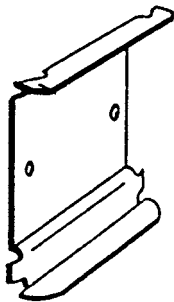
JB



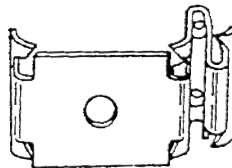
Plain NL



Stud NL



Snap-in metal stud



MSC-OB
 Outlet box metal stud clip
 for individual sale ②



892
 LOX BOX® switch box supports
 for individual sale ②

① Products available as installed parts only.

② Products available as individual parts. Order by product catalog number.

Styles of Brackets

NEC/CEC:
UL Standard: 514A
UL Listed: E2527

Brackets ①



Plain, Offset Side Combination



Barbed-Hook, Vertical



Plain, Vertical



Vertical with Stud



Plain, Vertical



Plain, Vertical Angle



Offset, Vertical

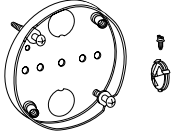
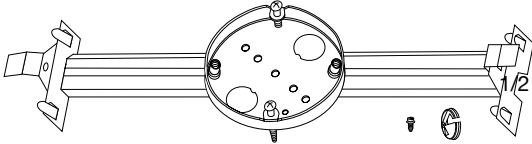


Plain, Vertical

① Products available as installed parts only.

4" Octagon Ceiling Fan Box With and Without Support Bar Hanger

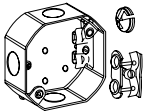
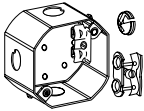
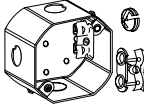
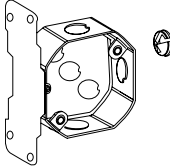
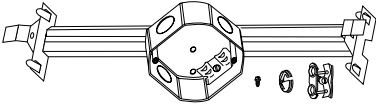
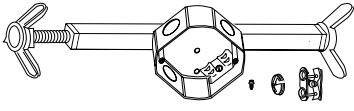
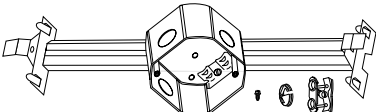
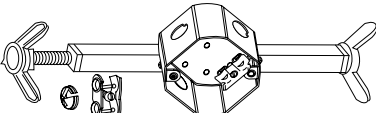
NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

| | Depth (Inches) | Clamp Type | Bracket, Offset or Expansion | Knockouts (Inches) | mm ³ (in ³) | Catalog Number |
|---|-------------------|---------------|---------------------------------|-----------------------|------------------------------------|-------------------|
| 4" Round - without Support Bar Hangers | | | | | | |
|  | 1/2 | — | — | (2) 1/2 | — | FFS-4CL |
| 4" Round - with Support Bar Hangers ① | | | | | | |
|  | — | — | NBH, 16" to 24" | (2) 1/2 | 95,044.9 (5.8) | FFS-4CL-NBH |

① NBH is for new construction. Complies with NEC 442.18 for up to 16 kg (35 lbs) of ceiling fan load or 32 kg (70 lbs) of fixture load.

4" Octagon Ceiling Fan Boxes With and Without Support Bar Hangers

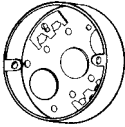
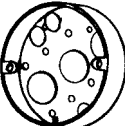
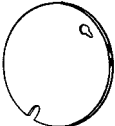
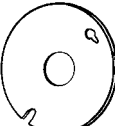
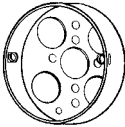
NEC/CEC:
 UL Standard: 514A, ANSI/UL 514B
 UL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Clamp Type | Bracket, Offset or Expansion | Knockouts (Inches) | mm ³ (in ³) | Catalog Number |
|---|-------------------|---------------|---------------------------------|-----------------------|------------------------------------|-------------------------|
| 4" Octagon - without Support Bar Hangers | | | | | | |
|  | 1-1/2 | AC/MC, NM | – | (3) 1/2 | 253,999.5 (15.5) | FFS-561L |
|  | 2-1/8 | AC/MC, NM | – | (3) 1/2 | 352,321.9 (21.5) | FFS-561LD |
|  | 2-1/8 | AC/MC, NM | FB, 1/2" | (2) 1/2 | 352,321.9 (21.5) | FFS-561LD-VB-NW |
|  | 2-1/8 | – | FB, 1/2" | (6) 1/2 | 352,321.9 (21.5) | FFS-5613LD-VB-NW |
| 4" Octagon - with Support Bar Hangers ① | | | | | | |
|  | 1/2 | – | NBH, 16" to 24" | (2) 1/2 | 95,044.9 (5.8) | FFS-561L-NBH |
|  | 1-1/2 | AC/MC, NM | OBH, 16" to 24" | 3) 1/2 | 253,999.5 (15.5) | FFS-561L-OBH |
|  | 2-1/8 | AC/MC, NM | NBH, 16" to 24" | 3) 1/2 | 352,321.9 (21.5) | FFS-561LD-NBH |
|  | 2-1/8 | AC/MC, NM | OBH, 16" to 24" | 3) 1/2 | 352,321.9 (21.5) | FFS-561LD-OBH |

① NBH is for new construction. Complies with NEC 442.18 for up to 16 kg (35 lbs) of ceiling fan load or 32 kg (70 lbs) of fixture load.

Round Boxes and Covers

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|---------|------------------------|---------------------------|-------------------------|
| | | | | Sides | Ends | Bottom | | |
| 3-1/4" Round Boxes - with Nonmetallic Sheathed Cable Clamps ① | | | | | | | | |
|  1/2" Deep | 1/2 | 4.5 | CL-9 | — | — | (3) 1/2" (4) 21/32" | 13.15 (29.0) | 510LC (36115) |
|  1/2" Deep | 1/2 | 4.5 | — | — | — | (3) 1/2" (4) 21/32" | 21.77 (48.0) | 510L ① |
| 3-1/4" Round Covers - For 3-1/4" Octagon and Round Boxes ② | | | | | | | | |
|  | Flat | 0.0 | — | | Blank | | 7.71 (17.0) | 8301A (24C1) |
|  | Flat | 0.0 | — | | 1/2" KO | | 7.71 (17.0) | 8320 (24C6) |
| 4" Round Box - with Knockouts in Bottom ③ | | | | | | | | |
|  1/2" Deep | 1/2 | 6.0 | — | — | — | (5) 1/2" | 16.33 (36.0) | 4CL (56111) |

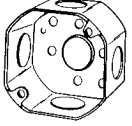
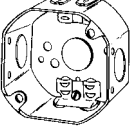
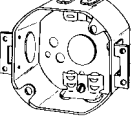
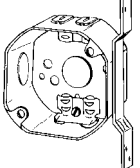
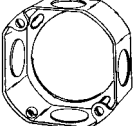
① Not UL Listed.

② 2-3/4" Cover Hole Centerline.

③ 3-1/2" Cover Hole Centerline.

Round Boxes and Covers

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

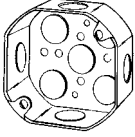
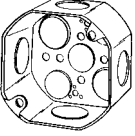
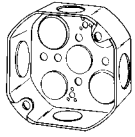
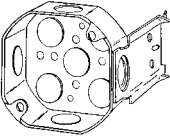
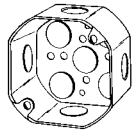
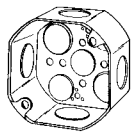
| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|-------------------------------------|
| | | | | Sides | Ends | Bottom | | |
| 3-1/4" Octagon Boxes - with Knockouts | | | | | | | | |
|  30-1/2 1-1/2" Deep | 1-1/2 | 10.5 | — | (4) 1/2" | — | (1) 1/2" | 17.24 (38.0) | 30-1/2 (24151-1/2) |
| 3-1/4" Octagon Boxes - with Nonmetallic Sheathed Cable Clamps | | | | | | | | |
|  560L 1-1/2" Deep; Two nail holes each end | 1-1/2 | 11.9 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 21.77 (48.0) | 560L (24151-N) |
|  560LXE 1-1/2" Deep; Plaster Ears | 1-1/2 | 11.9 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 23.13 (51.0) | 560LXE (24151-NE) |
|  560LVB 1-1/2" Deep; Plain Vertical Bracket; Set back 5/8" | 1-1/2 | 11.9 | CL-26 | (1) 1/2" | (4) 21/32" | (1) 1/2" | 25.40 (56.0) | 560LVB (24151NF) |
| 3-1/4" Octagon Box Extension Ring - with Knockouts | | | | | | | | |
|  30E-1/2 1-1/2" Deep | 1-1/2 | 10.5 | — | (4) 1/2" | — | — | 15.42 (34.0) | 30E-1/2 (25151-1/2) |

① 2-3/4" Cover Hole Centerline.

4" Octagon Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

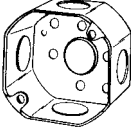
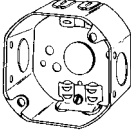
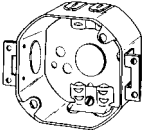
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-------------------|-------------------------------|----------------------|------|----------------------|---------------------------|-------------------------------------|
| | | | Sides | Ends | Bottom | | |
|  1-1/2" Deep | 1-1/2 | 15.5 | (4) 1/2" | — | (5) 1/2" | 23.59 (52.0) | 4O-1/2 (54151-1/2) |
|  1-1/2" Deep | 1-1/2 | 15.5 | (4) 3/4" | — | (3) 1/2" (2) 3/4" | 23.59 (52.0) | 4O-3/4 (54151-3/4) |
|  1-1/2" Deep | 1-1/2 | 15.5 | (2) 1/2" (2) 3/4" | — | (3) 1/2" (2) 3/4" | 23.59 (52.0) | 4O-SPL (54151SPL) |
|  1-1/2" Deep; JB Bracket set flush Gauging notches 3/8" and 1/2" | 1-1/2 | 15.5 | (4) 1/2" | — | (5) 1/2" | 30.84 (68.0) | 4OJB-1/2 (54151J-1/2) |
|  2-1/8" Deep | 2-1/8 | 21.5 | (4) 1/2" | — | (5) 1/2" | 29.94 (66.0) | 4OD-1/2 (54171-1/2) |
|  2-1/8" Deep | 2-1/8 | 21.5 | (4) 3/4" | — | (3) 1/2" (2) 3/4" | 29.94 (66.0) | 4OD-3/4 (54171-3/4) |

① 3-1/2" Cover Hole Centerline.

4" Octagon Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-------------------|-------------------------------|----------------------|------|---------------------|---------------------------|-------------------------------------|
| | | | Sides | Ends | Bottom | | |
|  2-1/8" Deep | 2-1/8 | 21.5 | (2) 1/2" (2) 3/4" | — | (3) 1/2" 2) 3/4" | 30.84 (68.0) | 4OD-SPL (54171SPL) |
|  1-1/2" Deep; Vertical bracket with stud; Set back 5/8" | 1-1/2 | 15.5 | (3) 1/2" | — | (5) 1/2" | 28.12 (62.0) | 4OVB-1/2 (54151F-1/2) |
|  1-1/2" Deep; 40-1/2 box on SX115; Stud bar hanger; Adjusts from 11-1/2" to 18-1/2" | 1-1/2 | 15.5 | (4) 1/2" | — | (4) 1/2" | 41.73 (92.0) | SX115-40-1/2 ② |

① 3-1/2" Cover Hole Centerline.
② Not fan box rated.

4" Octagon Boxes

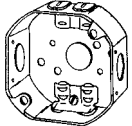
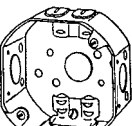
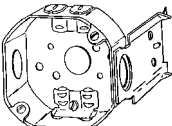
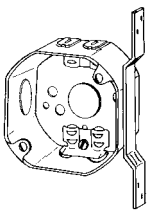
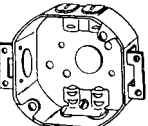
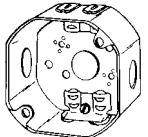
With Nonmetallic Sheathed Cable Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|-------------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  1-1/2" Deep | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 25.85 (57.0) | 561L (54151) |
|  1-1/2" Deep; Four nail holes each end | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 25.85 (57.0) | 561N (54151N) |
|  1-1/2" Deep; JB Bracket set flush; Gauging notches 3/8" and 1/2" | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 33.57 (74.0) | 561LJB (54151JN) |
|  1-1/2" Deep; Bracket set back 5/8" | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 29.94 (66.0) | 561LVB (54151FN) |
|  1-1/2" Deep; Plaster ears | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 28.12 (62.0) | 561LXE (54151NE) |
|  2-1/8" Deep | 2-1/8 | 21.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 31.75 (70.0) | 561LD (54171N) |

① 3-1/2" Cover Hole Centerline.

4" Octagon Boxes

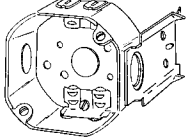
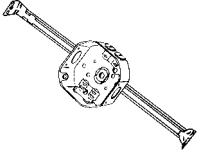
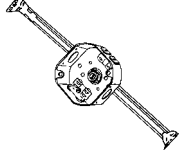
With Nonmetallic Sheathed Cable Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|-------------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/8" Deep; JB Bracket set back 1"; Gauging notches set back 1-3/8" and 1-1/2"</p> | 2-1/8 | 21.5 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 38.10 (84.0) | 561LDJB (54171JN) |
|  <p>1-1/2" Deep; 561L box on SX18 clip bar hanger; Adjusts from 11-1/2" to 18-1/2"</p> | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | — | 43.54 (96.0) | SX18-561L ②③ |
|  <p>1-1/2" Deep; 561L box on SX115 stud bar hanger; Adjusts from 11-1/2" to 18-1/2"</p> | 1-1/2 | 15.5 | CL-26 | (2) 1/2" | (4) 21/32" | — | 44.91 (99.0) | SX115-561L ③ |

① 3-1/2" Cover Hole Centerline.

② Not UL Listed.

③ Not fan box rated.

4" Octagon Boxes

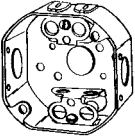
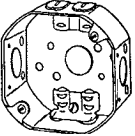
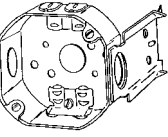

With Armored Cable Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|--|-------------------|-------------------------------|---------------|----------------------|--------------------------|----------|---------------------------|-------------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>1-1/2" Deep Two nail holes each end</p> | 1-1/2 | 15.5 | CL-25 | (2) 1/2" | (4) 21/32" (4) 21/32" | (1) 1/2" | 27.67 (61.0) | 551L (54151X) |
|  <p>1-1/2" Deep JB Bracket set flush; Gauging Notches 3/8" and 1/2"</p> | 1-1/2 | 15.5 | CL-25 | (2) 1/2" | (4) 21/32" (4) 21/32" | (1) 1/2" | 33.57 (74.0) | 551LJB |
|  <p>2-1/8" Deep JB Bracket set back 1"; Gauging Notches 3/8" and 1/2"</p> | 2-1/8 | 21.5 | CL-25 | (2) 1/2" | (4) 21/32" (4) 21/32" | (1) 1/2" | 38.10 (84.0) | 551LDJB |
|  <p>1-1/2" Deep 551L box on SX115 stud bar hanger; Adjusts from 11-1/2" to 18-1/2"</p> | 1-1/2 | 15.5 | CL-25 | (2) 1/2" | (4) 21/32" (4) 21/32" | — | 46.72 (103.0) | SX115-551L ② |


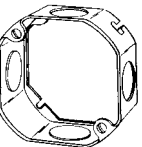
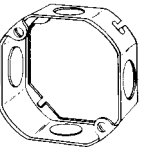
① 3-1/2" Cover Hole Centerline.

② Not fan box rated.

4" Octagon Box Extension Rings

With Knockouts

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1


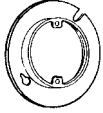

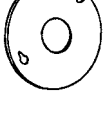
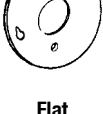
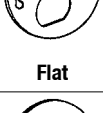

| | Depth (Inches) | Wiring Cubic Inch Capacity | Clamp Type | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|--|-------------------|-------------------------------|---------------|----------------------|------|--------|---------------------------|-------------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  1-1/2" Deep | 1-1/2 | 15.5 | — | (4) 1/2" | — | — | 16.78 (37.0) | 4OE-1/2 (551511/2) |
|  1-1/2" Deep | 1-1/2 | 15.5 | — | (2) 1/2" (2) 3/4" | — | — | 17.69 (39.0) | 4OE-3/4 (551513/4) |
|  1-1/2" Deep | 1-1/2 | 15.5 | — | (2) 1/2" | — | — | 44.91 (99.0) | 4OE-SPL (55151-SPL) |

① 3-1/2" Cover Hole Centerline.

4" Octagon and Round Covers

For 4" Octagon and Round Boxes

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

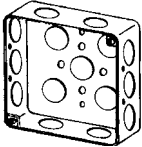
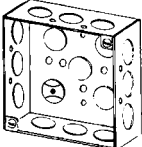
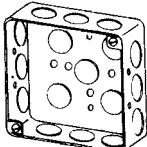
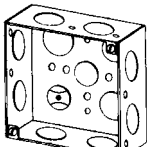
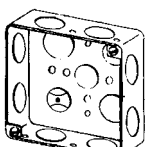
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | Weight per 100 kg (lb) | Catalog Number ① (Universal No.) |
|---|-----------------|----------------------------|--|------------------------|----------------------------------|
|  1/2" Raised | 1/2" Raised | 3.5 | Ears 2-3/4" C to C | 8.16 (18.0) | 8409A (54C31/2) |
|  5/8" Raised | 5/8" Raised | 4.5 | Ears 2-3/4" C to C | 9.07 (20.0) | 8409 (54C33/4) |
|  Flat | Flat | 3.5 | Blank | 11.79 (26.0) | 8403 (5401) |
|  Flat | Flat | 0.0 | 1/2" Knockout | 11.79 (26.0) | 8413 (54C6) |
|  Flat | Flat | 0.0 | One Single Flush Receptacle 1-13/32" D | 9.53 (21.0) | 8419LR (54-S) |
|  Flat | Flat | 0.0 | Duplex Receptacle | 8.62 (19.0) | 8420LR (54-D) |
|  Beveled | Beveled (White) | 0.0 | Blank | 11.79 (26.0) | WCRB4W |

① 3-1/2" Cover Hole Centerline.

4" Square Boxes – 1-1/2" Deep

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

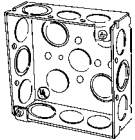
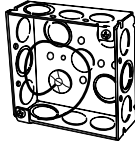
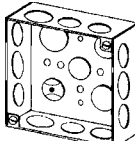
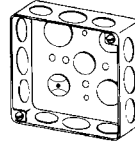
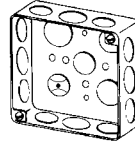

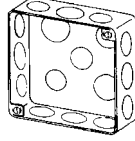
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|----------------------|------|----------------------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
|  1-1/4" Deep, Drawn | 1-1/4 | 18.0 | (10) 1/2" | — | (5) 1/2" | 27.67 (61.0) | 4SL-1/2 (52141-1/2) |
|  1-1/2" Deep, Welded | 1-1/2 | 21.0 | (12) 1/2" | — | (4) 1/2" | 33.11 (73.0) | 4S-1/2 (52151-1/2) |
| | 1-1/2 | 21.0 | (12) 1/2" | — | (4) 1/2" | 33.11 (73.0) | 4S-1/2RD ① |
|  1-1/2" Deep, Drawn | 1-1/2 | 21.0 | (12) 1/2" | — | (5) 1/2" | 33.11 (73.0) | 4S1/2-DR (52151-1/2) |
|  1-1/2" Deep, Welded | 1-1/2 | 21.0 | (8) 3/4" | — | (2) 1/2" (2) 3/4" | 30.39 (67.0) | 4S-3/4 (52151-3/4) |
|  1-1/2" Deep, Drawn | 1-1/2 | 21.0 | (8) 3/4" | — | (2) 1/2" (2) 3/4" | 30.39 (67.0) | 4S3/4-DR (52151-3/4) |

① For fire alarm circuits. Red powder coat finish.

4" Square Boxes – 1-1/2" Deep

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|------------------------------|------|------------------------------|------------------------|---------------------------------|
| | | | Sides | Ends | Bottom | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 32.66 (72.0) | 4SEK |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 32.66 (72.0) | 4SEKP ① |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | (2) 1/2" (2) 3/4" | 33.11 (73.0) | 4S-SPL (52151-SPL) |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | (2) 1/2" (2) 3/4" | 33.11 (73.0) | 4S-SPL-DR (52151-SPL) |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 3/4" | 33.11 (73.0) | 4S-SPL-DRRD ② |
| 1-1/2" Deep, Drawn | | | | | | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 1/2" | 33.11 (73.0) | 4S-SPL-DRP ① |
| 1-1/2" Deep, Drawn | | | | | | | |
|  | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 3/4" | 31.75 (70.0) | 4SP |
| Plenum Box; 1-1/2" Deep, Drawn; Without any holes and with reset knockouts (Screws supplied with cover, Catalog number 8465P) | | | | | | | |

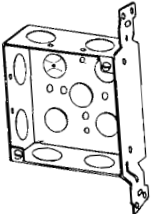
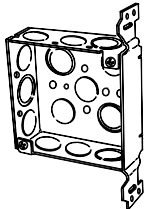
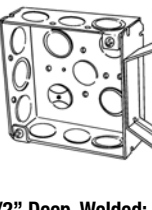
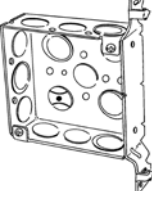
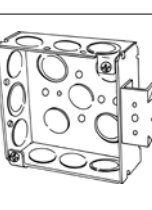
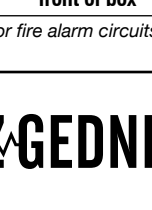
① Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

② For fire alarm circuits. Red powder coat finish.

4" Square Boxes – 1-1/2" Deep

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

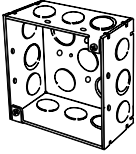
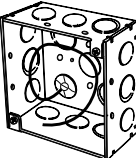
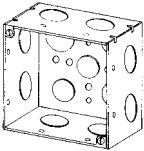
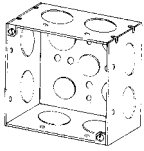
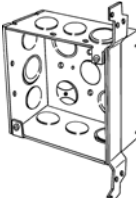
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|-------------------------------|-------------------------------|---------------------------------|------|---------------------------------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
|  1-1/2" Deep, Welded; Plain vertical bracket | 1-1/2 | 21.0 | (6) 3/4" | — | (2) 1/2" (2) 3/4" | 36.74 (81.0) | 4SVB3/4PL (52151-V-3/4) |
|  1-1/2" Deep, Welded; Plain vertical bracket | 1-1/2 | 21.0 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 36.74 (81.0) | 4SVB-EK-PL |
|  1-1/2" Deep, Welded; Plain vertical bracket | Red Box Option 1-1/2 | 21.0 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 36.74 (81.0) | 4SVB-EK-PLRD ① |
|  1-1/2" Deep, Welded; 1-3/8" offset vertical bracket | 1-1/2 | 21.0 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 40.37 (89.0) | 4SOB-EK |
|  1-1/2" Deep, Welded; Vertical bracket with barbed hooks | 1-1/2 | 21.0 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 37.19 (82.0) | 4SAB-EK |
|  1-1/2" Deep, Welded; Stud NL bracket set flush with front of box | 1-1/2 | 21.0 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 35.38 (78.0) | 4SB-EK (52151-B-1/2) |

① For fire alarm circuits. Red powder coat finish.

4" Square Boxes – 1-1/2" Deep

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|------------------------------|------|-------------------------------|------------------------|--------------------------------|
| | | | Sides | Ends | Bottom | | |
|  | 2-1/8 | 30.3 | (8) 1/2" (4) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 37.19 (82.0) | 4SD-EK |
| Red Box Option | 2-1/8 | 30.3 | (8) 1/2" (4) Eccentric KO | — | "(2) 1/2" (2) Eccentric KO | 37.19 (82.0) | 4SD-EKRD ① |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 30.3 | (8) 1/2" (4) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 37.19 (82.0) | 4SD-EKP ② |
| With Green Ground Wire | 2-1/8 | 30.3 | (8) 1/2" (4) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 37.19 (82.0) | 4SD-EKP ② |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 30.3 | (8) 3/4" | — | (3) 1/2" (2) 3/4" | 38.10 (84.0) | 4SD-3/4 (52171-3/4) |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 30.3 | (8) 1" | — | (3) 1/2" (2) 3/4" | 38.10 (84.0) | 4SD-1 (52171-1) |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 30.3 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 47.17 (104.0) | 4SDVB-EK-PL |
| 2-1/8" Deep, Welded; Plain vertical bracket; Set flush with front of box | 2-1/8 | 30.3 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 47.17 (104.0) | 4SDVB-EK-PLRD ① |

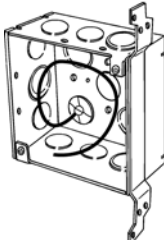
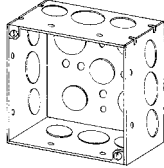
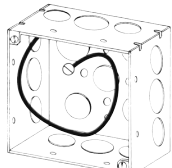
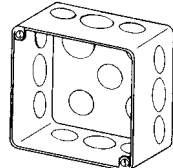
① For fire alarm circuits. Red powder coat finish.

② Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

4" Square Boxes – 2-1/8" Deep

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|------------------------------|------|------------------------------|------------------------|--------------------------------|
| | | | Sides | Ends | Bottom | | |
|  <p>With Green Ground Wire</p> <p>2-1/8" Deep, Welded; Plain vertical bracket; Set flush with front of box</p> | 2-1/8 | 30.3 | (6) 1/2" (3) Eccentric KO | — | (2) 1/2" (2) Eccentric KO | 47.17 (104.0) | 4SDVB-EK-PLP ① |
|  <p>Red Box Option</p> <p>2-1/8" Deep, Welded</p> | 2-1/8 | 30.3 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 3/4" | 38.56 (85.0) | 4SD-SPL (52171-SPL) |
|  <p>With Green Ground Wire</p> <p>2-1/8" Deep, Welded</p> | 2-1/8 | 30.3 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 3/4" | 38.56 (85.0) | 4SD-SPLP ① |
|  <p>Plenum Box, 2-1/8" Deep, Drawn; Without any holes and with reset knockouts (Screws supplied with cover, catalog number 8465P)</p> | 2-1/8 | 30.3 | (8) 1/2" (4) 3/4" | — | (3) 1/2" (2) 3/4" | 38.10 (84.0) | 4SPD |

① Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

② For fire alarm circuits. Red powder coat finish.

4" Square Boxes

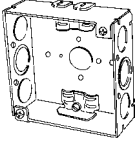
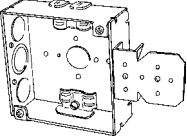
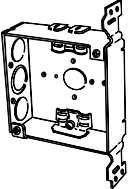
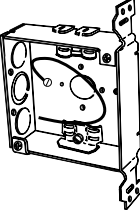
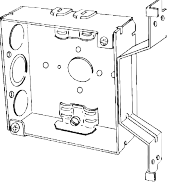
With Nonmetallic Sheathed Cable Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|---------------|---------------------------------|---------------|----------|---------------------------|-----------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>1-1/2" Deep, Welded Nail holes</p> | 1-1/2 | 21.0 | CL-26 | (4) 1/2" (2) Eccentric KO | (4) 21/32" | (1) 1/2" | 33.57 (74.0) | 4SR-EK |
|  <p>1-1/2" Deep, Welded; Stud NL Bracket set flush with front of box</p> | 1-1/2 | 21.0 | CL-26 | (2) 1/2" (1) Eccentric KO | (4) 21/32" | (1) 1/2" | 39.92 (88.0) | 4SRB-EK |
|  <p>1-1/2" Deep, Welded; 1-3/8" offset vertical bracket; Set flush with front of box</p> | 1-1/2 | 21.0 | CL-26 | (2) 1/2" (1) Eccentric KO | (4) 21/32" | (1) 1/2" | 38.10 (84.0) | 4SRVB-EK-PL |
|  <p>1-1/2" Deep, Welded; Plain vertical bracket</p> <p>With Green Ground Wire</p> | 1-1/2 | 21.0 | CL-26 | (2) 1/2" | (4) 21/32" | (1) 1/2" | 38.10 (84.0) | 4SRVB-EK-PLP ① |
|  <p>1-1/2" Deep, Welded; 1-3/8" offset vertical bracket; Set flush with front of box</p> | 1-1/2 | 21.0 | CL-26 | (2) 1/2" (1) Eccentric KO | (4) 21/32" | (1) 1/2" | 42.64 (94.0) | 4SROB-EK |

① Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

4" Square Boxes

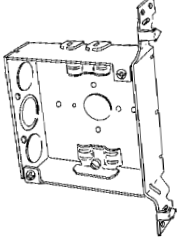
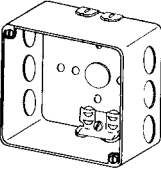
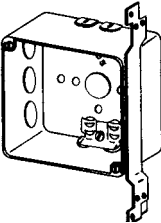
With Nonmetallic Sheathed Cable Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|-------------------|-------------------------------|---------------|------------------------------|-------------|----------|---------------------------|-----------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>1-1/8" Deep, Welded; Vertical bracket with barbed hooks</p> | 1-1/2 | 21.0 | CL-26 | (2) 1/2" (1) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 39.92 (88.0) | 4SRAB-EK |
|  <p>2-1/8" Deep, Drawn Nail holes</p> | 2-1/8 | 30.3 | CL-26 | (6) 1/2" | (4) 2 1/32" | (1) 1/2" | 40.82 (90.0) | 4SRD |
|  <p>2-1/8" Deep, Drawn; Plain vertical bracket flush with front of box</p> | 2-1/8 | 30.3 | CL-26 | (3) 1/2" | (4) 2 1/32" | (1) 1/2" | 45.36 (100.0) | 4SRDVB-PL |

4" Square Boxes

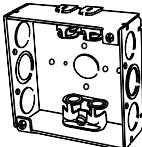
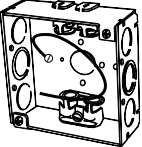
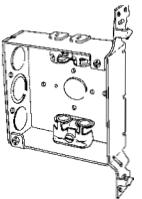
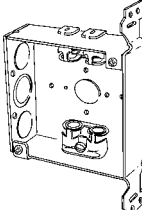
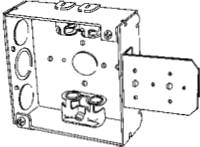
With Armored Cable (AC)/Metal Clad Cable (MCI, MCI-A, MCC)/ Flexible Metal Conduit Clamps

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

NEMA: FB-1, OS-1

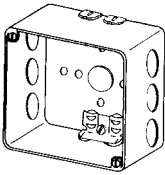
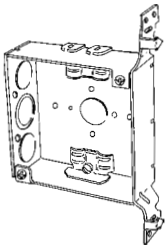
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|---------------|---------------------------------|-------------|-------------|------------------------------|-----------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  1-1/2" Deep, Welded | 1-1/2 | 21.0 | CL-13 | (4) 1/2" (2) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 45.36 (100.0) | 4SX-EK (52151VB) |
|  1-1/2" Deep, Welded | 1-1/2 | 21.0 | CL-13 | (4) 1/2" (2) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 45.36 (100.0) | 4SX-EKP ① |
|  1-1/2" Deep, Welded; Vertical bracket with barbed hooks | 1-1/2 | 21.0 | CL-13 | (2) 1/2" (1) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 45.36 (100.0) | 4SXAB-EK (52151VB) |
|  1-1/2" Deep, Welded; Plain vertical bracket | 1-1/2 | 21.0 | CL-13 | (2) 1/2" (1) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 51.71 (114.0) | 4SXVB-EK-PL |
|  1-1/2" Deep, Welded; Plain NL bracket set flush with front of box | 1-1/2 | 21.0 | CL-13 | (2) 1/2" (1) Eccentric KO | (4) 2 1/32" | (1) 1/2" | 52.62 (116.0) | 4SXB-EK-PL |

① Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

4" Square Boxes

With Armored Cable (AC)/Metal Clad Cable (MCI, MCI-A, MCC)/ Flexible Metal Conduit Clamps

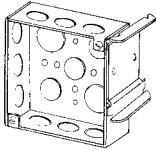
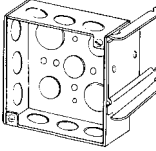
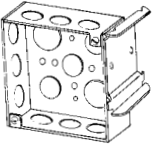
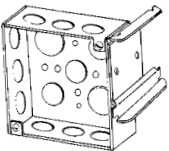
NEC/CEC:
 UL Standard: 514A, ANSI/UL 514B
 UL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|-----------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/8" Deep, Drawn</p> | 2-1/8 | 30.3 | CL-13 | (6) 1/2" | (4) 21/32" | (1) 1/2" | 45.36 (100.0) | 4SDX |
|  <p>2-1/8" Deep, Drawn; Plain vertical bracket; Set flush with front of box</p> | 2-1/8 | 30.3 | CL-13 | (3) 1/2" | (4) 21/32" | (1) 1/2" | 51.71 (114.0) | 4SDVB-PL |

4" Square Boxes with Snap-In Brackets

For 2-1/2" and 3-5/8" Metal Studs

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Stud Size (Inches) | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|-------------------|-------------------------------|-----------------------|---------------|----------------------|------|----------------------|---------------------------|-----------------------------------|
| | | | | | Sides | Ends | Bottom | | |
|  <p>1-1/2" Deep, Welded; For 2-1/2" metal stud</p> | 1-1/2 | 2-1/2 | 21.0 | — | (9) 1/2" | — | (5) 1/2" | 41.73 (92.0) | 4S1/2-SB2-1/2 |
|  <p>1-1/2" Deep, Welded; For 3-5/8" metal stud</p> | 1-1/2 | 3-5/8 | 21.0 | — | (9) 1/2" | — | (5) 1/2" | 46.27 (102.0) | 4S1/2-SB3-5/8 |
|  <p>1-1/2" Deep, Welded; For 2-1/2" metal stud</p> | 1-1/2 | 2-1/2 | 21.0 | — | (6) 1/2" (3) 3/4" | — | (3) 1/2" (2) 3/4" | 41.73 (92.0) | 4S-SPL-SB2-1/2 |
|  <p>1-1/2" Deep, Welded; For 3-5/8" metal stud</p> | 1-1/2 | 3-5/8 | 21.0 | — | (6) 1/2" (3) 3/4" | — | (3) 1/2" (2) 3/4" | 46.27 (102.0) | 4S-SPL-SB3-5/8 |

4" Square Boxes with Snap-In Brackets

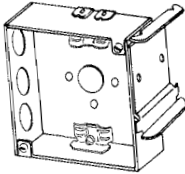
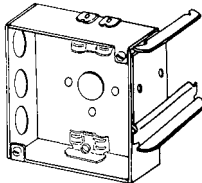
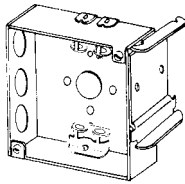
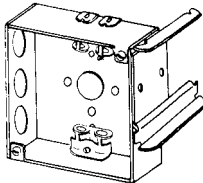
For 2-1/2" and 3-5/8" Metal Studs

NEC/CEC:

UL Standard: 514A, ANSI/UL 514B

UL Listed: E2527

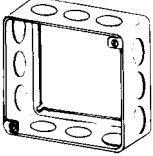
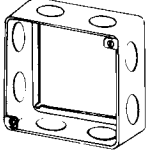
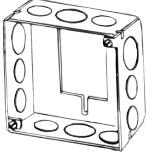
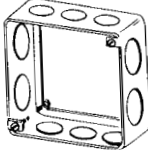
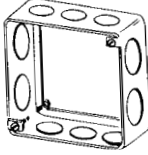
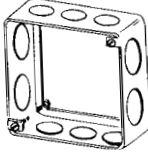
NEMA: FB-1, OS-1

| | Depth (Inches) | Stud Size (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-----------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|-----------------------------------|
| | | | | | Sides | Ends | Bottom | | |
| With Nonmetallic Sheathed Cable Clamps | | | | | | | | | |
|  | 1-1/2 | 2-1/2 | 21.0 | CL-26 | (3) 1/2" | (4) 21/32" | (1) 1/2" | 42.18 (93.0) | 4SR-SB2-1/2 |
| 1-1/2" Deep, Welded For 2-1/2" metal stud | | | | | | | | | |
|  | 1-1/2 | 3-5/8 | 21.0 | CL-26 | (3) 1/2" | (4) 21/32" | (1) 1/2" | 46.72 (103.0) | 4SR-SB3-5/8 |
| 1-1/2" Deep, Welded For 3-5/8" metal stud | | | | | | | | | |
| With Armored Cable (AC)/Metal Clad Cable (MCI, MCI-A, MCC) Clamps | | | | | | | | | |
|  | 1-1/2 | 2-1/2 | 21.0 | CL-13 | (3) 1/2" | (4) 21/32" | (1) 1/2" | 53.98 (119.0) | 4SX-SB2-1/2 |
| 1-1/2" Deep, Welded For 2-1/2" metal stud | | | | | | | | | |
|  | 1-1/2 | 3-5/8 | 21.0 | CL-13 | (3) 1/2" | (4) 21/32" | (1) 1/2" | 58.51 (129.0) | 4SX-SB3-5/8 |
| 1-1/2" Deep, Welded For 3-5/8" metal stud | | | | | | | | | |

4" Square Box Extension Rings and Thru-Ring

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

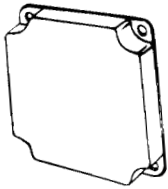
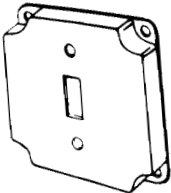
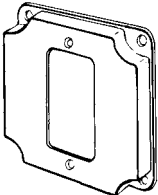
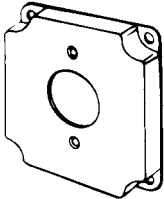
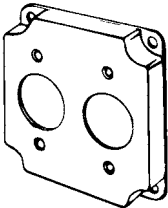
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|-------------------|-------------------------------|----------------------|------|--------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
|  Extension Ring 1-1/2" Deep, Drawn Top: Two 8-32 screws Bottom: Two slide-on slots | 1-1/2 | 21.0 | (12) 1/2" | — | — | 19.96 (44.0) | 4SE-1/2 |
|  Extension Ring 1-1/2" Deep, Drawn Top: Two 8-32 screws Bottom: Two slide-on slots | 1-1/2 | 21.0 | (8) 3/4" | — | — | 19.96 (44.0) | 4SE-3/4 (53151-3/4) |
|  Extension Ring 1-1/2" Deep, Welded Top: Two 8-32 screws Bottom: Cutout for switch or handy box | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | — | 29.03 (64.0) | 4SSBE-SPL |
| Red Box Option  Combo Extension-Thru-Ring 1-1/2" Deep, Drawn Top: Two 8-32 screws Bottom: Two 8-32 screws and two slide-on screws | 1-1/2 | 21.0 | (8) 1/2" (4) 3/4" | — | — | 29.03 (64.0) | 4SSBE-SPLRD ① |
|  Combo Extension-Thru-Ring 1-1/2" Deep, Drawn Top: Two 8-32 screws Bottom: Two 8-32 screws and two slide-on screws | 1-1/2 | 21.0 | (6) 1/2" (4) 3/4" | — | — | 21.32 (47.0) | 4SES (53151-1/2) |
| Red Box Option  Combo Extension-Thru-Ring 1-1/2" Deep, Drawn Top: Two 8-32 screws Bottom: Two 8-32 screws and two slide-on screws | 1-1/2 | 21.0 | (6) 1/2" (4) 3/4" | — | — | 21.32 (47.0) | 4SESRD ① |

① For fire alarm circuits. Red powder coat finish.

4" Square Covers

Raised Surface Covers

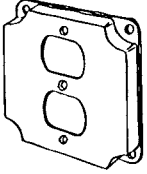
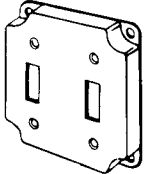
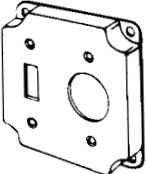
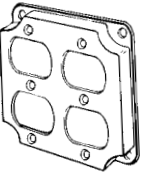
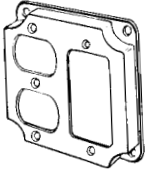
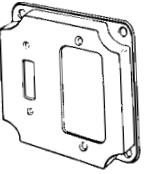
NEC/CEC:
UL Standard: 514A
UL Listed: E2527

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|--|------------------------|--------------------------------|
|  <p>1/2" Raised</p> | 1-1/2 | 7.0 | Blank | 20.41 (45.0) | 8360 |
|  <p>1/2" Raised</p> | 1-1/2 | 7.0 | One Toggle Switch | 19.96 (44.0) | 8361 (52-1T) |
|  <p>1/2" Raised</p> | 1-1/2 | 7.0 | One GFCI Device | 15.88 (35.0) | 8362 |
|  <p>1/2" Raised 1-13/32" Opening</p> | 1-1/2 | 7.0 | One Single Flush Receptacle 1-13/32" D | 18.14 (40.0) | 8363 |
|  <p>1/2" Raised 1-13/32" Openings</p> | 1-1/2 | 7.0 | Two Single Flush Receptacles 1-13/32" D | 17.24 (38.0) | 8364 |

4" Square Covers

Raised Surface Covers

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

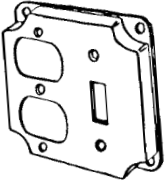
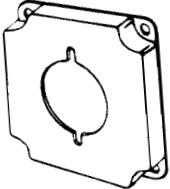
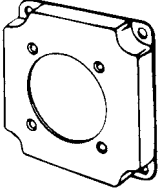
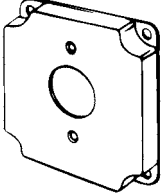
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|---|------------------------|--------------------------------|
|  <p>1/2" Raised</p> | 1/2 | 7.0 | One Duplex Flush Receptacle ① | 16.33 (36.0) | 8365N |
|  <p>1/2" Raised</p> | 1/2 | 7.0 | Two Toggle Switches | 19.05 (42.0) | 8367 (52-2T) |
|  <p>1/2" Raised 1-13/32" Opening</p> | 1/2 | 7.0 | One Toggle Switch, One Single Flush Receptacle 1-13/32" D | 17.69 (39.0) | 8368 |
|  <p>1/2" Raised</p> | 1/2 | 7.0 | Two Duplex Flush Receptacles ① | 14.97 (33.0) | 8371N |
|  <p>1/2" Raised</p> | 1/2 | 7.0 | One Duplex Flush, One GFCI Device ① | 14.51 (32.0) | 8373N |
|  <p>1/2" Raised</p> | 1/2 | 7.0 | One Toggle Switch, One GFCI Device | 17.24 (38.0) | 8374 |

① Extra mounting screws and nuts provided.

4" Square Covers

Raised Surface Covers

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1


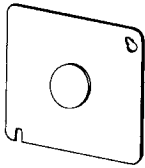

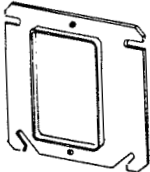
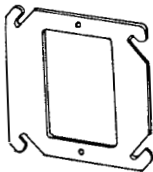
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|--|------------------------|--------------------------------|
|  <p>1/2" Raised</p> | 1/2 | 7.0 | One Toggle Switch, One Duplex Flush ① | 20.41 (45.0) | 8375N |
|  <p>1/2" Raised 2-9/64" Opening</p> | 1/2 | 7.0 | 30-50A Single Flush Receptacle 2-9/64" D | 19.96 (44.0) | 8377 |
|  <p>1/2" Raised 2-1/2" Opening</p> | 1/2 | 7.0 | One Single Flush Receptacle 2-1/2" D | 15.88 (35.0) | 8378 |
|  <p>1/2" Raised 1-19/32" Opening</p> | 1/2 | 7.0 | 20A Twist Lock Receptacle 1-19/32" D | 18.14 (40.0) | 8379 (52R54) |

① Extra mounting screws and nuts provided.

4" Square Covers

Flat Covers and Single Device - Plaster Rings/Mud Rings

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

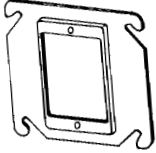
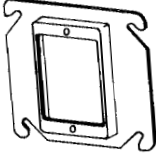
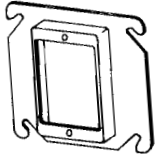
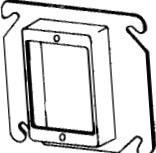
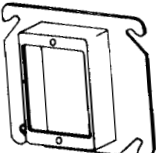
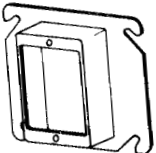
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|--|------------------------|--------------------------------|
| Flat Covers | | | | | |
|  | Flat | — | Blank | 14.51 (32.0) | 8465 (52C1) |
| Blank | Flat | — | Blank | 14.51 (32.0) | 8465RD ① |
| | | | | | Red Box Option |
|  | Flat | — | 1/2" KO | 14.51 (32.0) | 8474 (52C6) |
| 1/2" KO | | | | | |
|  | Flat | — | Blank Plenum Box Cover Gasketed with Two Captive Screws | 15.88 (35.0) | 8465P |
| Plenum box cover with gasket and screws | | | | | |
| Single Device | | | | | |
|  | 1/4 | 1.5 | Single Device | 9.98 (22.0) | 8468WB (52C36) |
| 1/4" Raised | | | | | |
|  | Flat | 0.0 | Single Device | 9.53 (21.0) | 8468F (52C-0) |
| Flat | | | | | |

① For fire alarm circuits. Red powder coat finish.

4" Square Covers

Single Device - Plaster Rings/Mud Rings

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|-----------------------|------------------------|--------------------------------|
|  1/4" Raised | 1/4 | 2.0 | Single Device | 10.43 (23.0) | 8468B (52C62) |
|  1/2" Raised | 1/2 | 3.5 | Single Device - Drawn | 12.70 (28.0) | 8468A (52C13) |
|  5/8" Raised | 5/8 | 4.5 | Single Device - Drawn | 12.70 (28.0) | 8468C (52C14-5/8) |
|  3/4" Raised | 3/4 | 5.5 | Single Device - Drawn | 14.51 (32.0) | 8468 (52C14) |
|  1" Raised | 1 | 7.5 | Single Device - Drawn | 16.33 (36.0) | 8466A (52C15) |
|  1-1/4" Raised | 1-1/4 | 9.5 | Single Device - Drawn | 18.14 (40.0) | 8466 (52C16) |

4" Square Covers

Single Device - Ceiling Plaster Rings/Mud Rings

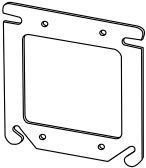
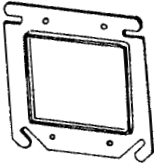
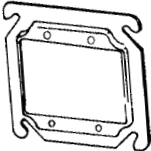
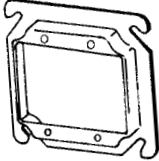
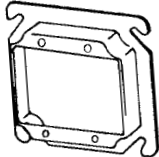
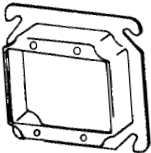
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|----------------------------|------------------------|--------------------------------|
|  | 1/4 | 1.5 | Ears 2-3/4" C to C Open | 9.98 (22.0) | 8461E (52C3-1/4) |
| 1/4" Raised | | | | | |
|  | 1/2 | 3.5 | Ears 2-3/4" C to C Open | 10.89 (24.0) | 8461A (52C3-1/2) |
| 1/2" Raised | | | | | |
|  | 5/8 | 4.5 | Ears 2-3/4" C to C Open | 11.79 (26.0) | 8461 (52C) |
| 5/8" Raised | | | | | |
|  | 3/4 | 5.0 | Ears 2-3/4" C to C Open | 12.70 (28.0) | 8461B (52C3-3/4) |
| 3/4" Raised | | | | | |
|  | 1 | 7.0 | Ears 2-3/4" C to C Open | 24.49 (54.0) | 8461C (52C3-1) |
| 1" Raised | | | | | |
|  | 1-1/4 | 9.0 | Ears 2-3/4" C to C Open | 33.11 (73.0) | 8461D (52C3-1-1/4) |
| 1-1/4" Raised | | | | | |

4" Square Covers

Double Device - Plaster Rings/Mud Rings

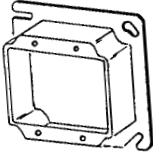
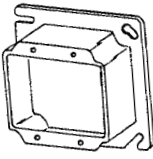
NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|---------------|------------------------|--------------------------------|
|  | Flat | 0.0 | Double Device | 5.89 (13.0) | 8470F (52C-00) |
| Flat | | | | | |
|  | 1/4 | 3.5 | Double Device | 7.71 (17.0) | 8470WB (52C37) |
| 1/4" Raised | | | | | |
|  | 1/4 | 3.0 | Double Device | 5.89 (13.0) | 8470B (52C20) |
| 1/4" Raised | | | | | |
|  | 1/2 | 6.0 | Double Device | 9.07 (20.0) | 8470A (52C17) |
| 1/2" Raised | | | | | |
|  | 5/8 | 8.0 | Double Device | 9.98 (22.0) | 8470C (52C185/8) |
| 5/8" Raised | | | | | |
|  | 3/4 | 9.0 | Double Device | 10.89 (24.0) | 8470 (52C18) |
| 3/4" Raised | | | | | |

4" Square Covers

Double Device - Plaster Rings/Mud Rings

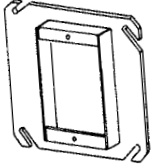
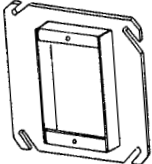
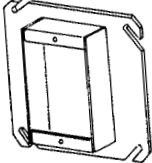
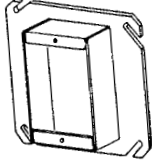
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|---------------|------------------------|--------------------------------|
|  | 1 | 12.0 | Double Device | 13.61 30.0 | 8469A (52C19) |
| 1" Raised | | | | | |
|  | 1-1/4 | 15.0 | Double Device | 18.14 40.0 | 8469B (52C21) |
| 1-1/4" Raised | | | | | |

4" Square Tile Covers

Single Device - Plaster Rings/Mud Rings

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|---------------|------------------------|---------------------------------|
|  Flat | 1/2 | 3.5 | Single Device | 13.61 (30.0) | 846-50 (52C49-1/2) |
|  1/4" Raised | 3/4 | 5.8 | Single Device | 15.88 (35.0) | 846-75 (52C49-3/4) |
|  1/4" Raised | 1 | 7.5 | Single Device | 18.14 (40.0) | 846-100 (52C49-1) |
|  1/2" Raised | 1-1/4 | 9.3 | Single Device | 20.87 (46.0) | 846-125 (52C49-1-1/4) |
|  5/8" Raised | 1-1/2 | 11 | Single Device | 23.59 (52.0) | 846-150 (52C50-1-1/2) |
|  3/4" Raised | 2 | 14.8 | Single Device | 29.03 (64.0) | 846-200 (52C51-2) |

4" Square Tile Covers

Double Device - Plaster Rings/Mud Rings

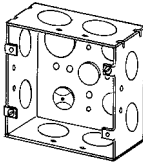
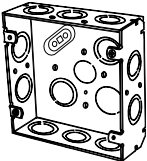
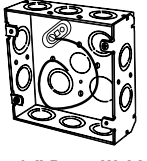
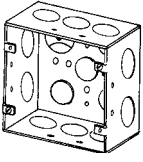
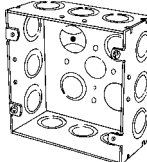
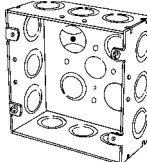
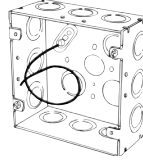
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|---------------|------------------------|---------------------------------|
|  | 1/2 | 3.5 | Single Device | 13.61 (30.0) | 847-50 (52C52-1/2) |
| 1/2" Raised | | | | | |
|  | 3/4 | 5.8 | Single Device | 15.88 (35.0) | 847-75 (52C52-3/4) |
| 3/4" Raised | | | | | |
|  | 1 | 7.5 | Single Device | 18.14 (40.0) | 847-100 (52C5-1) |
| 1" Raised | | | | | |
|  | 1-1/4 | 9.3 | Single Device | 20.87 (46.0) | 847-125 (52C52-1-1/4) |
| 1-1/4" Raised | | | | | |
|  | 1-1/2 | 11 | Single Device | 23.59 (52.0) | 847-150 (52C53-1-1/2) |
| 1-1/2" Raised | | | | | |
|  | 2 | 14.8 | Single Device | 29.03 (64.0) | 847-200 (52C54-2) |
| 2" Raised | | | | | |

4-11/16" Square Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|----------------------|------|--|------------------------|--------------------------------|
| | | | Sides | Ends | Bottom | | |
|  | 1-1/2 | 29.5 | (8) 3/4" | — | (2) 1/2" (2) 3/4" | 39.46 (87.0) | 4SJ-3/4 (72151-3/4) |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 1-1/2 | 29.5 | (10) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 39.92 (88.0) | 4SJ-EK (72151-SPL) |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 1-1/2 | 29.5 | (10) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 39.92 (88.0) | 4SJ-EKP ② |
| 1-1/2" Deep, Welded | | | | | | | |
|  | 2-1/8 | 42.0 | (10) 3/4" | — | (2) 1/2" (2) 3/4" | 47.17 (104.0) | 4SJD-3/4 (72171-3/4) |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 42.0 | (12) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 47.17 (104.0) | 4SJD-EK (72171-SPL) |
|  | 2-1/8 | 42.0 | (12) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 47.17 (104.0) | 4SJD-EKRD ① |
| 2-1/8" Deep, Welded | | | | | | | |
|  | 2-1/8 | 42.0 | (12) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 47.17 (104.0) | 4SJD-EKP ② |
| 2-1/8" Deep, Welded | | | | | | | |

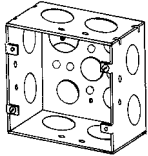
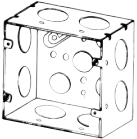
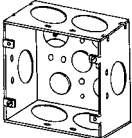
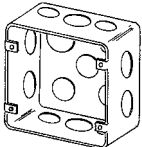
① For fire alarm circuits. Red powder coat finish.

② Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

4-11/16" Square Boxes

With Knockouts

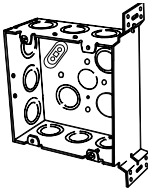
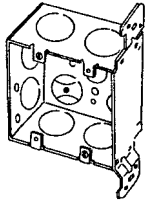
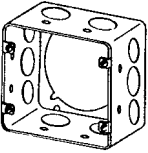
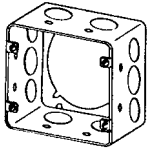
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|----------------------|------|----------------------|------------------------|--|
| | | | Sides | Ends | Bottom | | |
|  <p>2-1/8 Deep, Welded</p> | 2-1/8 | 42.0 | (4) 3/4" (4) 1" | — | (2) 1/2" (2) 3/4" | 48.99 (108.0) | 4SJD-3/4-1 (72171-3/4-1-SPL) |
|  <p>2-1/8 Deep, Welded</p> | 2-1/8 | 42.0 | (8) 1" | — | (2) 1/2" (2) 3/4" | 43.99 (97.0) | 4SJD-1 (72171-1) |
|  <p>2-1/8 Deep, Welded</p> | 2-1/8 | 42.0 | (6) 1-1/4" | — | (2) 1/2" (2) 3/4" | 48.08 (106.0) | 4SJD-1-1/4 (72171-1-1/4) |
|  <p>Plenum Box 2-1/8 Deep, Drawn (Screws supplied with cover, catalog number 8487P)</p> | 2-1/8 | 42.0 | (4) 1/2" (6) 3/4" | — | (3) 1/2" (2) 3/4" | 48.99 (108.0) | 4SPJD |

4-11/16" Square Boxes and Extension Rings

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) | |
|--|----------------------|-------------------------------|----------------------|----------------------|--|---------------------------|-----------------------------------|--------------------------|
| | | | Sides | Ends | Bottom | | | |
| 4-11/16" Square Boxes | | | | | | | | |
|  | 2-1/8 | 42.0 | (9) Eccentric KO | — | (1) 1/2" (1) 3/4" (2) Eccentric KO | 56.25 (124.0) | 4SJD-EK-VB | |
| 2-1/8" Deep, Welded Offset vertical bracket flush with front of box | | | | | | | | |
|  | 2-1/8 | 42.0 | (6) 1" | — | (2) 1/2" (2) 3/4" | 56.25 (124.0) | 4SJD-1-VB | |
| 2-1/8" Deep, Welded Offset vertical bracket flush with front of box | | | | | | | | |
| 4-11/16" Square Box Extension Rings | | | | | | | | |
|  | 2-1/8 | 42.0 | (4) 1/2" (6) 3/4" | — | — | 29.94 (66.0) | 4SJDE-1/2-3/4 | |
| 2-1/8" Deep, Drawn 8-32 tapped holes and slide-on screw slots in bottom | Red Box Option | 2-1/8 | 42.0 | (4) 1/2" (6) 3/4" | — | — | 29.94 (66.0) | 4SJDE-1/2-3/4RD ① |
|  | 2-1/8 | 42.0 | (8) 1" | — | — | 29.94 (66.0) | 4SJDE-1 | |
| 2-1/8" Deep, Drawn 8-32 tapped holes and slide-on screw slots in bottom | | | | | | | | |

① For fire alarm circuits. Red powder coat finish.

4-11/16" Square Covers

Raised Surface

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

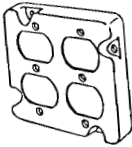
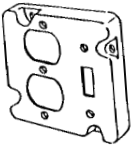
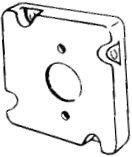
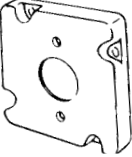
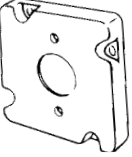
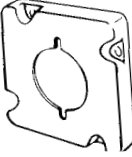
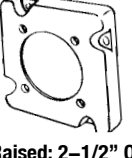
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|--|------------------------|--------------------------------|
|  1/2" Raised | 1/2 | 10.0 | One GFCI Device | 22.68 (50.0) | 8484 |
|  1/2" Raised | 1/2 | 10.0 | One Toggle Switch, One GFCI Device | 22.68 (50.0) | 8484A |
|  1/2" Raised | 1/2 | 10.0 | One Duplex Receptacle, One GFCI Device ① | 20.41 (45.0) | 8484BN |
|  1/2" Raised | 1/2 | 10.0 | One Toggle Switch | 24.49 (54.0) | 8489 |
|  1/2" Raised | 1/2 | 10.0 | Two Toggle Switches | 24.49 (54.0) | 8490 |
|  1/2" Raised | 1/2 | 10.0 | One Duplex Receptacle ① | 22.68 (50.0) | 8491N |
|  1/2" Raised | 1/2 | 10.0 | Blank | 24.95 (55.0) | 8495 |

① Extra mounting screws and nuts provided.

4-11/16" Square Covers

Raised Surface

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

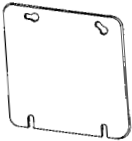
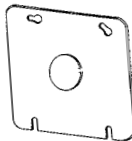
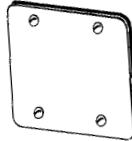
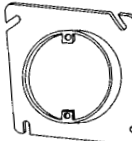
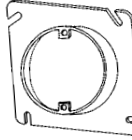
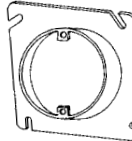
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|--|------------------------|--------------------------------|
|  | 1/2 | 10.0 | Two Duplex Receptacles ① | 20.41 (45.0) | 8492N |
| 1/2" Raised | | | | | |
|  | 1/2 | 10.0 | One Toggle Switch, One Duplex Receptacle ① | 22.68 (50.0) | 8493N |
| 1/2" Raised | | | | | |
|  | 1/2 | 10.0 | Single Receptacle 1-13/32" D | 24.49 (54.0) | 8494 |
| 1/2" Raised; 1-13/32" Opening | | | | | |
|  | 1/2 | 10.0 | Single Receptacle 1-19/32" D | 24.49 (54.0) | 8496 |
| 1/2" Raised; 1-19/32" Opening | | | | | |
|  | 1/2 | 10.0 | Twist Lock Receptacle 1-3/4" D | 23.13 (51.0) | 8497 |
| 1/2" Raised; 1-3/4" Opening | | | | | |
|  | 1/2 | 10.0 | Single Receptacle 2-5/32" D | 24.49 (54.0) | 8498 |
| 1/2" Raised; 2-5/32" Opening | | | | | |
|  | 1/2 | 10.0 | Single Receptacle 2-1/2" D | 24.49 (54.0) | 8499 |
| 1/2" Raised; 2-1/2" Opening | | | | | |

① Extra mounting screws and nuts provided.

4-11/16" Square Covers

Flat and Single - Ceiling Plaster Rings/Mud Rings

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

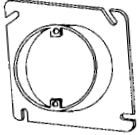
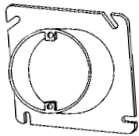
| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|--|------------------------|--------------------------------|
| Flat | | | | | |
|  | Flat | — | Blank | 19.05 (42.0) | 8487 (72CI) |
| | Red Box Option | Flat | Blank | 19.05 (42.0) | 8487RD ① |
|  | Flat | — | One 1/2" Knockout | 19.50 (43.0) | 8487K (72C6) |
|  | Flat | — | Blank Plenum Box Cover Gasketed with Four Captive Screws | 21.77 (48.0) | 8487P |
| Single Device | | | | | |
|  | 1/2 | 3.0 | Ears 2-3/4" C to C | 16.33 (36.0) | 8488A |
| 1/2" Raised | | | | | |
|  | 5/8 | 4.0 | Ears 2-3/4" C to C | 19.05 (42.0) | 8488B |
| 5/8" Raised | | | | | |
|  | 3/4 | 5.0 | Ears 2-3/4" C to C | 21.77 (48.0) | 8488C |
| 3/4" Raised | | | | | |

① For fire alarm circuits. Red powder coat finish.

4-11/16" Square Covers

Single Device - Ceiling Plaster Rings/Mud Rings

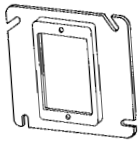
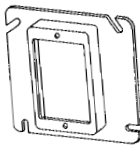
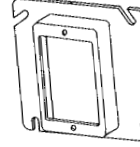
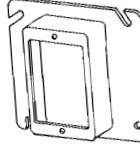
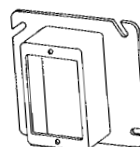
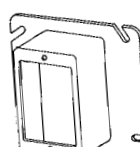
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|-------------------|------------------------|--------------------------------|
|  | 1 | 7.0 | Ears 2-3/4 C to C | 27.22 (60.0) | 8488D |
| 1" Raised | | | | | |
|  | 1-1/4 | 9.0 | Ears 2-3/4 C to C | 32.66 (72.0) | 8488E |
| 1-1/4" Raised | | | | | |

4-11/16" Square Covers

Single Device - Plaster Rings/Mud Rings

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|---------------|------------------------|--------------------------------|
|  1/4" Raised | 1/4 | 2.5 | Single Device | 15.42 (34.0) | 8485B |
|  1/2" Raised | 1/2 | 4.0 | Single Device | 17.24 (38.0) | 8485A (72C13) |
|  5/8" Raised | 5/8 | 4.8 | Single Device | 17.69 (39.0) | 8485C |
|  3/4" Raised | 3/4 | 5.5 | Single Device | 18.14 (40.0) | 8485 (72C14) |
|  1" Raised | 1 | 6.3 | Single Device | 20.41 (45.0) | 8485D |
|  1-1/4" Raised | 1-1/4 | 8.0 | Single Device | 22.68 (50.0) | 8485E |

4-11/16" Square Covers

Double Device - Plaster Rings/Mud Rings

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|----------------|----------------------------|----------------|------------------------|--------------------------------|
|  Flat | Flat | 0.0 | Double Devices | 4.99 (11.0) | 8486F |
|  1/4" Raised | 1/4 | 2.8 | Double Devices | 5.44 (12.0) | 8486B |
|  1/2" Raised | 1/2 | 7.5 | Double Devices | 13.61 (30.0) | 8486A (72C17) |
|  5/8" Raised | 5/8 | 6.8 | Double Devices | 14.52 (32.0) | 8486C |
|  3/4" Raised | 3/4 | 8.5 | Double Devices | 16.33 (36.0) | 8486 |
|  1" Raised | 1 | 11.3 | Double Devices | 18.14 (40.0) | 8486D |
|  1-1/4" Raised | 1-1/4 | 13.5 | Double Devices | 22.68 (50.0) | 8486E |

4-11/16" Square Tile Covers

Single Device and Double Device - Plaster Rings/Mud Rings

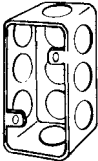
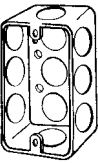
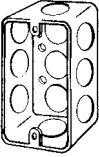
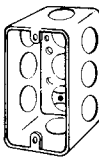
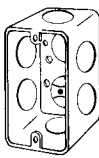
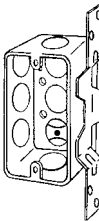
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|----------------|----------------------------|----------------|------------------------|--------------------------------|
| Single Device | | | | | |
|  | 1 | 6.8 | Single Device | 19.05 (42.0) | 856-100 |
| 1" Raised | | | | | |
|  | 1-1/4 | 9.5 | Single Device | 21.77 (48.0) | 856-125 |
| 1-1/4" Raised | | | | | |
|  | 1-1/2 | 11.3 | Single Device | 24.49 (54.0) | 856-150 |
| 1-1/2" Raised | | | | | |
|  | 2 | 15.0 | Single Device | 29.94 (66.0) | 856-200 |
| 2" Raised | | | | | |
| Double Device | | | | | |
|  | 1 | 12.5 | Double Devices | 18.14 (40.0) | 857-100 |
| 1" Raised | | | | | |
|  | 1-1/2 | 18.8 | Double Devices | 24.49 (54.0) | 857-150 |
| 1-1/2" Raised | | | | | |
|  | 2 | 24.5 | Double Devices | 31.75 (70.0) | 857-200 |
| 2" Raised | | | | | |

Handy Boxes

3-3/4" x 1-1/2" and 4" x 2-1/8" with Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

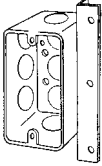
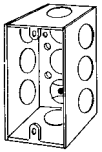
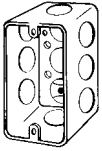
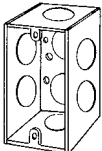
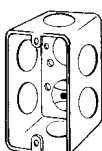
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|----------------------|----------|----------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
| 3-3/4" x 1-1/2" with Knockouts | | | | | | | |
|  | 1-1/2 | 7.0 | (6) 1/2" | (2) 1/2" | (3) 1/2" | 15.42 (34.0) | 4SS |
| 1-1/2" Deep, Drawn | | | | | | | |
| 4" x 2-1/8" with Knockouts | | | | | | | |
|  | 1-1/4 | 9.5 | (6) 1/2" | (2) 1/2" | (3) 1/2" | 17.69 (39.0) | 4CSL-1/2 (58361-1/2) |
| 1-1/4" Deep, Drawn | | | | | | | |
|  | 1-1/2 | 10.3 | (6) 1/2" | (2) 1/2" | (3) 1/2" | 20.87 (46.0) | 4SSLS-1/2 (58351-1/2) |
| 1-1/2" Deep, Drawn | | | | | | | |
|  | 1-7/8 | 13.0 | (6) 1/2" | (2) 1/2" | (2) 1/2" | 23.59 (52.0) | 4CS-1/2 ① (58361-1/2) |
| 1-7/8" Deep, Drawn | | | | | | | |
|  | 1-7/8 | 13.0 | (4) 3/4" | (2) 3/4" | (1) 3/4" | 22.23 (49.0) | 4CS-3/4 (58361-3/4) |
| 1-7/8" Deep, Drawn | | | | | | | |
|  | 1-7/8 | 13.0 | (3) 1/2" | (2) 1/2" | (2) 1/2" | 29.48 (65.0) | 4CSV-1/2 (58361-V-1/2) |
| 1-7/8" Deep, Drawn; Plain vertical bracket; Set back 5/8" | | | | | | | |

① Add suffix -C for CSA Certification.

Handy Boxes

4" x 2-1/8" with Knockouts

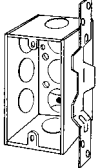
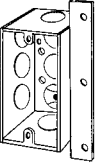
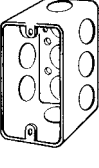
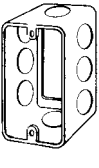
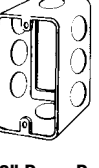
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|----------------------|----------|----------|---------------------------|------------------------------------|
| | | | Sides | Ends | Bottom | | |
|  <p>1-7/8" Deep, Drawn; Plain vertical angle; Bracket set back 5/8"</p> | 1-7/8 | 13.0 | (3) 1/2" | (2) 1/2" | (3) 1/2" | 29.94 (66.0) | 4CSX-1/2PL (58361-A-1/2) |
|  <p>2-1/8" Deep, Welded</p> | 2-1/8 | 14.5 | (6) 1/2" | (2) 1/2" | (2) 1/2" | 24.49 (54.0) | 4SSL-1/2 (58371-1/2) |
|  <p>2-1/8" Deep, Drawn</p> | 2-1/8 | 14.5 | (6) 1/2" | (2) 1/2" | (2) 1/2" | 24.49 (54.0) | 4SSL1/2-DR (58371-1/2) |
|  <p>2-1/8" Deep, Welded</p> | 2-1/8 | 14.5 | (4) 3/4" | (2) 3/4" | (2) 3/4" | 24.49 (54.0) | 4SSL-3/4 (58371-3/4) |
|  <p>2-1/8" Deep, Drawn</p> | 2-1/8 | 14.5 | (4) 3/4" | (2) 3/4" | (1) 3/4" | 24.49 (54.0) | 4SSL3/4-DR (58371-3/4) |

Handy Boxes and Extension Ring

4" x 2-1/8" with Knockouts

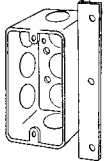
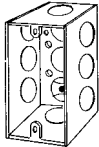
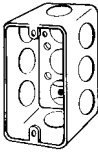
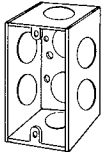
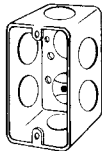
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|----------------------|----------|-----------------------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
| 4" x 2-1/8" - with Knockouts | | | | | | | |
|  | 2-1/8 | 14.5 | (3) 1/2" | (2) 1/2" | (2) 1/2" | 33.57 (74.0) | 4SSLVB-1/2 (58371-F1/2) |
| 2-1/8" Deep, Welded Plain vertical bracket set back 3/4" | | | | | | | |
|  | 2-1/8 | 14.5 | (3) 1/2" | (2) 1/2" | (2) 1/2" | 32.21 (71.0) | 4SSLX-1/2PL |
| 2-1/8" Deep, Welded Plain vertical angle bracket set back 5/8" | | | | | | | |
|  | 2-1/2 | 18.3 | (6) 1/2" | (2) 1/2" | (3) 1/2" | 28.58 (63.0) | 4SSLD-1/2 (58351-1/2) |
| 2-1/2" Deep, Drawn | | | | | | | |
| Extension Ring for 4" x 2-1/8" Handy Box with Knockouts | | | | | | | |
|  | 1-1/2 | 10.3 | (6) 1/2" | (2) 1/2" | — With Slide on | 16.33 (36.0) | 4SSLE-1/2 (59351) |
| 1-1/2" Deep, Drawn | | | | | | | |
|  | 1-7/8 | 13.0 | (6) 1/2" | (2) 1/2" | — With Slide on | 21.77 (48.0) | 4CSE1/2 (59361-1/2) |
| 1-7/8" Deep, Drawn | | | | | | | |

Handy Boxes and Extension Rings

With Knockouts








NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|----------------|----------------------------|----------------------|-------------------|--------------------|------------------------|-------------------------------|
| | | | Sides | Ends | Bottom | | |
| 4-1/8" x 2-3/8" with Knockouts | | | | | | | |
|  | 1-3/4 | 15 | (6) 1/2" | (2) 1/2" | (2) 1/2" | 24.49 (54.0) | 180-1/2 (68361-1/2) |
| 1-3/4" Deep, Drawn | | | | | | | |
|  | 2-1/4 | 18.3 | (6) 1/2" | (2) 1/2" | (2) 1/2" | 27.22 (60.0) | 181-1/2 (68371-1/2) |
| 2-1/4" Deep, Drawn | | | | | | | |
| Extension Ring for 4-1/8" x 2-3/8" Handy Box with Knockouts | | | | | | | |
|  | 1-1/2 | 13.5 | (6) 1/2" | (2) 1/2" | — With Slide on | 17.69 (39.0) | 184E (69351) |
| 1-1/2" Deep, Drawn | | | | | | | |
| 4" Solid Gang with Knockouts | | | | | | | |
|  | 2-1/2 | 46.5 | (2) Concentric KO | (6) Concentric KO | (6) Concentric KO | 67.59 (149.0) | 133APFB-1/2 |
| 2-1/2" Deep, Welded; Three Gang 5-7/16" Wide; Plain offset side combination bracket set back 12" | | | | | | | |
|  | 2-1/2 | 67 | (2) Concentric KO | (8) Concentric KO | (8) Concentric KO | 78.02 (172.0) | 134APFB-1/2 |
| 2-1/2" Deep, Welded; Four Gang 7-3/8" Wide; Plain offset side combination bracket set back 1/2" | | | | | | | |

Handy Box Covers

For 3-3/4" x 1-1/2" and 4" x 2-1/8" Boxes



NEC/CEC:
UL Standard: 514D
UL Listed: E2527
NEMA: OS-1

| | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|------------------------------|---------------------------|-----------------------------------|
| For 3-3/4" x 1-1/2" 4SS Box | | | |
|  | Blank | 5.44 (12.0) | 2520 (48C1) |
| For 4" x 2-1/8" Boxes | | | |
|  | Blank | 4.99 (11.0) | 2540 (58C1) |
|  | One 1/2" Knockout | 8.16 (18.0) | 2555 (58C6) |
|  | Single Receptacle 1-19/32" D | 4.54 (10.0) | 2538 (58C4) |
|  | Single Receptacle 1-13/32" D | 4.54 (10.0) | 2539 (58C5) |
|  | Duplex Receptacle | 3.63 (8.0) | 2510 (58C7) |
|  | One Toggle Switch | 4.54 (10.0) | 2594 (58C30) |

Handy Box Covers

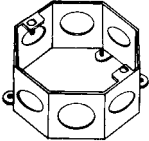
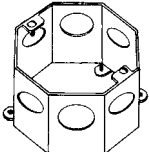
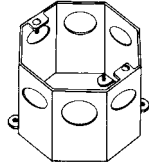
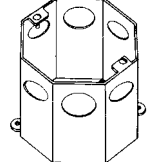
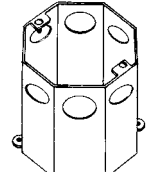
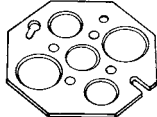
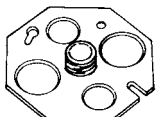
4-1/8" x 2-3/8" Boxes

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 NEMA: OS-1

| | Description | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|------------------------------|---------------------------|-----------------------------------|
|  | Blank | 5.89 (13.0) | 180A (68C-1) |
|  | One Toggle Switch | 5.44 (12.0) | 180T (68C-30) |
|  | GFI Receptacle | 4.08 (9.0) | 180G |
|  | Duplex Receptacle | 4.08 (9.0) | 180W (68C-7) |
|  | Single Receptacle 1-13/32" D | 4.54 (10.0) | 180X (68C-5) |

4" Octagon Concrete Boxes and Back Plates

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

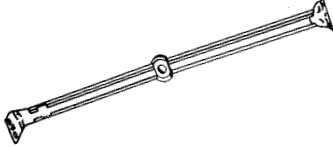
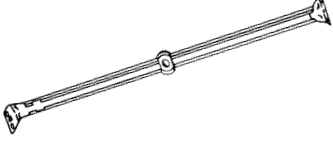
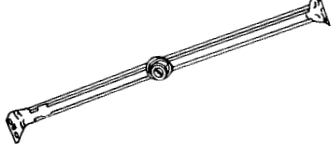
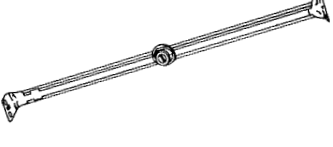
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|---|-------------------|-------------------------------|----------------------|------|----------------------|---------------------------|-----------------------------------|
| | | | Sides | Ends | Bottom | | |
| 4" Octagon Concrete Boxes with 1/2" and 3/4" Single Row Knockouts ① | | | | | | | |
|  | 2 | 25.0 | (4) 1/2" (4) 3/4" | — | — | 23.59 (52.0) | OCR2 (54531) |
|  | 2-1/2 | 31.0 | (4) 1/2" (4) 3/4" | — | — | 31.75 (70.0) | OCR2-1/2 (54541) |
|  | 3 | 37.0 | (4) 1/2" (4) 3/4" | — | — | 37.65 (83.0) | OCR3 (54551) |
|  | 3-1/2 | 43.0 | (4) 1/2" (4) 3/4" | — | — | 45.36 (100.0) | OCR3-1/2 (54561) |
|  | 4 | 49.0 | (4) 1/2" (4) 3/4" | — | — | 51.26 (113.0) | OCR4 (54571) |
| 4" Octagon Back Plate, No Stud ② | | | | | | | |
|  | Flat | — | — | — | (3) 1/2" (2) 3/4" | 13.61 (30.0) | OCP (54712) |
| 4" Octagon Back Plate, with 3/8" Fixture Stud ② | | | | | | | |
|  | Flat | — | — | — | (2) 1/2" (2) 3/4" | 13.15 (29.0) | OCP-3/8 (54717) |

① Not rated for ceiling fan usage.

② Rings furnished with screws for back plates. Back plate mounting holes are designed to slide onto ring screws.

Adjustable Bar Hangers

With Slide-on Clip and with Slide-on Stud

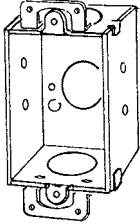
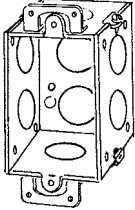
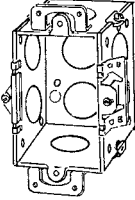
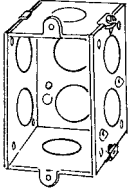
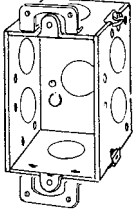
| | Description | Weight per 100 kg (lb) | Catalog Number |
|---|--|---------------------------|----------------|
| With Slide-on Clip ① | | | |
|  | Use between 14", 16", 18" and 20" joists | 15.42 (34.0) | SX18 |
|  | Use between 18", 20", 22", 24" and 26" joists OC | 22.68 (50.0) | SX26 |
| With Slide-on Stud | | | |
|  | Use between 14", 16", 18" and 20" joists OC | 19.05 (42.0) | SX115 |
|  | Use between 18", 20", 22", 24" and 26" joists OC | 23.59 (52.0) | SX160 |

① Not rated for ceiling fan usage.

3" x 2" Square Corner Switch Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

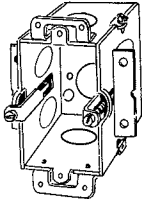
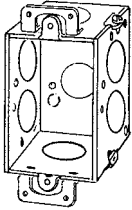
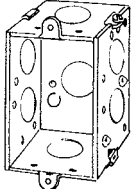
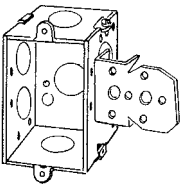
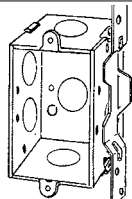
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|----------------|----------------------------|----------------------|----------|----------|------------------------|----------------|
| | | | Sides | Ends | Bottom | | |
|  | 1-1/2 | 7.5 | — | (2) 1/2" | (1) 1/2" | 18.14 (40.0) | 94 ① |
| 1-1/2" Deep, Welded; Plaster ears | | | | | | | |
|  | 2 | 10 | (4) 1/2" | (2) 1/2" | (2) 1/2" | 23.13 (51.0) | 111 ① |
| 2" Deep, Gangable; Plaster ears | | | | | | | |
|  | 2 | 10 | (4) 1/2" | (2) 1/2" | (2) 1/2" | 24.49 (54.0) | 111HB ① |
| 2" Deep, Gangable; "Loxbox" support on each side; Plaster ears | | | | | | | |
|  | 2 | 10 | (4) 1/2" | (2) 1/2" | (2) 1/2" | 21.32 (47.0) | 111LE |
| 2" Deep, Gangable; Four nail holes, each side; side leveling bosses | | | | | | | |
|  | 2-1/2 | 12.5 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 26.31 (58.0) | 222 ① |
| 2-1/2" Deep, Gangable; Plaster ears | | | | | | | |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

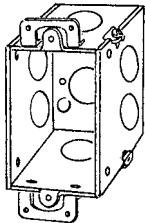
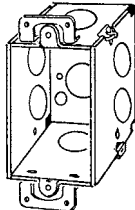
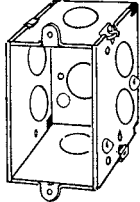
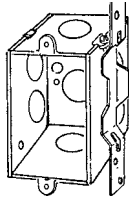
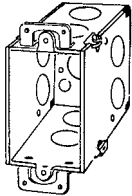
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|----------------------|----------|----------|---------------------------|-----------------|
| | | | Sides | Ends | Bottom | | |
|  <p>2-1/2" Deep, Gangable Old work -support clamps Plaster ears</p> | 2-1/2 | 12.5 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 30.84 (68.0) | 222-OW ① |
|  <p>2-1/2" Deep, Gangable; Plaster ears</p> | 2-1/2 | 12.5 | (4) 3/4" | (2) 3/4" | (1) 1/2" | 26.31 (58.0) | 225 ① |
|  <p>2-1/2" Deep, Gangable; Four nail holes, each side; Side leveling bosses</p> | 2-1/2 | 12.5 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 25.40 (56.0) | 222LE |
|  <p>2-1/2" Deep, Gangable Stud NL bracket set back 1/2"</p> | 2-1/2 | 12.5 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 29.94 (66.0) | 222NL |
|  <p>2-1/2" Deep, Gangable; Plain vertical bracket set back 3/4"</p> | 2-1/2 | 12.5 | (2) 1/2" | (2) 1/2" | (1) 1/2" | 27.22 (60.0) | 222VB-PL |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Knockouts

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

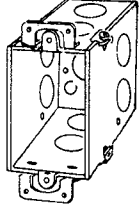
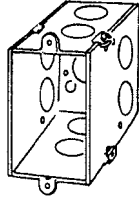
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|----------------|----------------------------|----------------------|----------|----------|------------------------|----------------|
| | | | Sides | Ends | Bottom | | |
|  | 2-3/4 | 14.0 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 28.58 (63.0) | 333 ① |
| 2-3/4" Deep, Gangable; Plaster ears | | | | | | | |
|  | 2-3/4 | 14.0 | (4) 3/4" | (2) 3/4" | (1) 1/2" | 29.03 (64.0) | 335 ① |
| 2-3/4" Deep, Gangable Plaster ears | | | | | | | |
|  | 2-3/4 | 14.0 | (4) 1/2" | (2) 1/2" | (1) 1/2" | 27.22 (60.0) | 333LE |
| 2-3/4" Deep, Gangable; Two nail holes each side; side leveling bosses | | | | | | | |
|  | 2-3/4 | 14.0 | (2) 1/2" | (2) 1/2" | (1) 1/2" | 30.40 (67.0) | 333VB |
| 2-3/4" Deep, Gangable; Plain vertical bracket set back 3/4" | | | | | | | |
|  | 3-1/2 | 14.0 | (4) 1/2" | (4) 1/2" | (1) 1/2" | 34.93 (77.0) | 333D ① |
| 3-1/2" Deep, Gangable; Plaster ears | | | | | | | |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Knockouts

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

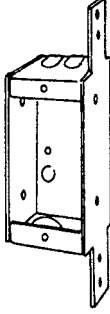
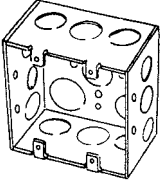
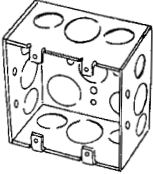
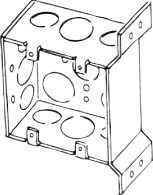
| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|----------------|----------------------------|----------------------|----------|----------|------------------------|----------------|
| | | | Sides | Ends | Bottom | | |
|  | 3-1/2 | 18.0 | (4) 3/4" | (4) 3/4" | (1) 1/2" | 35.38 (78.0) | 336 ① |
| 3-1/2" Deep, Gangable; Plaster ears | | | | | | | |
|  | 3-1/2 | 18.0 | (4) 1/2" | (4) 1/2" | (1) 1/2" | 33.57 (74.0) | 333D-LE |
| 3-1/2" Deep, Gangable; Two nail holes each side | | | | | | | |

① Plaster ears support GFCI and decorative cover plates.

3-3/4" x 2" and 4" Square Corner Switch Boxes

With Knockouts

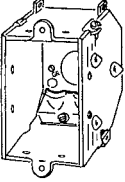
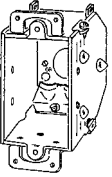
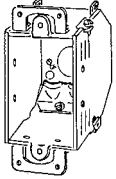
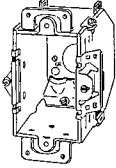
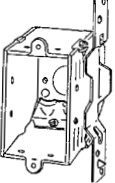
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|----------------------|-------------------------|----------------------|---------------------------|--------------------|
| | | | Sides | Ends | Bottom | | |
| 3-3/4" x 2" Square Corner Switch Box | | | | | | | |
|  | 1 | 6.5 | — | (1) 1/2" (2) 2 1/32" | — | 16.78 (37.0) | SB1 |
| 1" Deep, Welded; Plain flat vertical bracket perfect for remodeling | | | | | | | |
| 4" Square Corner Switch Boxes | | | | | | | |
|  | 2 1/8 | 30.3 | (6) 1/2" | (6) 1/2" | (5) 1/2" | 39.92 (88.0) | 132AP1/2 |
| 2-1/8" Deep, Welded; Two gang | | | | | | | |
|  | 2 1/8 | 30.3 | (4) 1/2" (2) 3/4" | (4) 1/2" (2) 3/4" | (3) 1/2" (2) 3/4" | 39.92 (88.0) | 132AP-SPL |
| 2-1/8" Deep, Welded; Two gang | | | | | | | |
|  | 2 1/8 | 30.3 | (2) 1/2" (1) 3/4" | (2) 1/2" (4) 3/4" | (3) 1/2" (2) 3/4" | 45.36 (100.0) | 132APFB-SPL |
| 2-1/8" Deep, Welded; Two gang plain vertical bracket | | | | | | | |

3" x 2" Bevel Corner Switch Boxes 2-1/4" Deep

With Nonmetallic Sheathed Cable Clamps

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

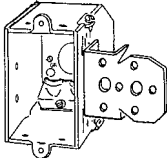
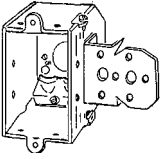
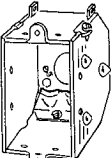
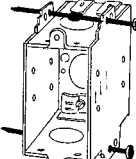
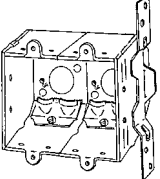
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/4" Deep, Gangable; External nail brackets; Leveling bosses</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 23.59 (52.0) | 388LE-OR-44LE |
|  <p>2-1/4" Deep, Gangable; external nail brackets; leveling bosses; Plaster ears</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 25.40 (56.0) | 388LR-OR-44LR ① |
|  <p>2-1/4" Deep, Gangable; External nail brackets; Plaster ears</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 25.40 (56.0) | 388-OR-44 ① |
|  <p>2-1/4" Deep, Gangable; "Loxbox" support; welded on each side; Plaster ears</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 27.22 (60.0) | 388HB ① |
|  <p>2-1/4" Deep, Gangable Plain vertical bracket set back 3/4"</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 29.03 (64.0) | 388VB-OR-44VB |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Bevel Corner Switch Boxes 2-1/4" Deep

With Nonmetallic Sheathed Cable Clamps

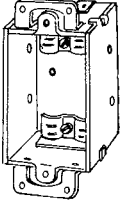
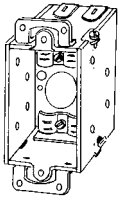
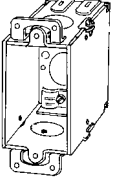
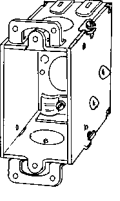
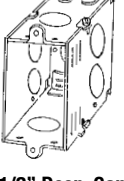
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------|----------|---------------------------|----------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/4" Deep, Gangable; Stud NL bracket; Set back 1/4"</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 28.12 (62.0) | 388DW |
|  <p>2-1/4" Deep, Gangable; Stud NL bracket; Set back 1/2"</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 28.12 (62.0) | 388NL-OR-44NL |
|  <p>2-1/4" Deep, Gangable, Welded; External nail brackets; Leveling bosses</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 23.59 (52.0) | 388LES |
|  <p>2-1/4" Deep, Welded; Two 16 penny nails in external brackets leveling bosses</p> | 2-1/4 | 10.5 | CL-20 | — | (4) 21/32" | (1) 1/2" | 25.40 (56.0) | 388LESN |
|  <p>2-1/4" Deep, Welded; Plain vertical bracket set back 3/4"</p> | 2-1/4 | 21.0 | CL-20 | — | (8) 21/32" | (2) 1/2" | 38.10 (84.0) | 388VB-PL2G |

3" x 2" Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

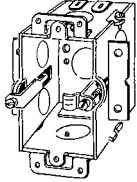
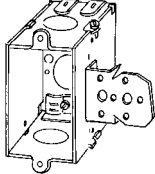
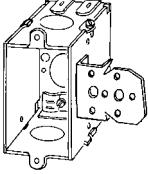
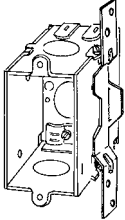
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number (Universal No.) |
|--|-------------------|-------------------------------|---------------|----------------------|-------------------------|----------|---------------------------|-----------------------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>1-1/2" Deep, Welded; Plaster ears ①</p> | 1-1/2 | 7.5 | CL-26 | — | (4) 2 1/32" | — | 19.96 (44.0) | 95 |
|  <p>2" Deep, Gangable; Plaster ears ①</p> | 2 | 10.0 | CL-26 | — | (4) 2 1/32" | (1) 1/2" | 24.04 (53.0) | 383 ① |
|  <p>2-1/2" Deep, Gangable; Plaster ears ①</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 28.12 (62.0) | 384 ① |
|  <p>2-1/2" Deep, Gangable; Leveling bosses; Plaster ears</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 28.58 (63.0) | 384LR ① |
|  <p>2-1/2" Deep, Gangable; Two nail holes each side; Leveling bosses</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 27.22 (60.0) | 384LE |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

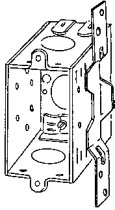
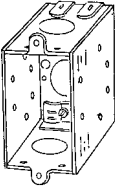
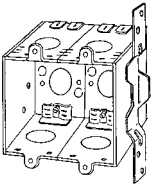
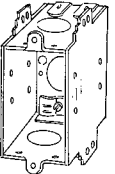
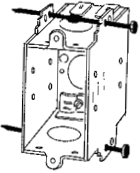
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|-----------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/2" Deep, Gangable; Old work support clamps; Plaster ears</p> | 2-1/2 | 12.5 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 30.84 (68.0) | 384-OW ① |
|  <p>2-1/2" Deep, Gangable Stud NL bracket; Set back 1/2"</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 31.75 (70.0) | 384NL |
|  <p>2-1/2" Deep, Gangable Stud NL bracket; Set back 1/4"</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 32.66 (72.0) | 384DW-PL |
|  <p>2-1/2" Deep, Gangable bracket; Set back 3/4"</p> | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 28.58 (63.0) | 384VB-PL |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

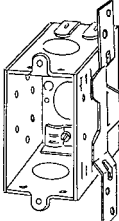
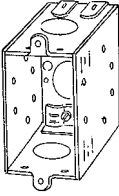
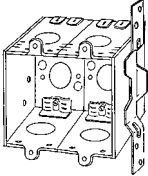
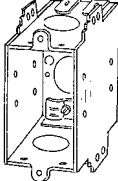
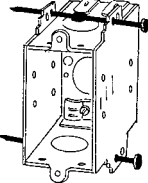
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Sides | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|---------------|-------|------------------------|----------|-----------------|---------------------------|----------------|
| | | | | | Ends | Bottom | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 29.94 (66.0) | 384LES-VB | |
| <p>2-1/2" Deep, Non-Gangable, Welded; Plain vertical bracket; Set back 3/4"</p> | | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 27.67 (61.0) | 384LES | |
| <p>2-1/2" Deep, Non-Gangable, Welded; Four nail holes; Each side</p> | | | | | | | | | |
|  | 2-1/2 | 25.0 | CL-26 | — | (2) 1/2" (8) 21/32" | (2) 1/2" | 43.99 (97.0) | 384VB-PL2G | |
| <p>2-1/2" deep, Non-Gangable, Assembly welded; Plain vertical bracket; Set back 3/4"</p> | | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 29.03 (64.0) | 385-LES | |
| <p>2-1/2" Deep, Non-Gangable, Welded; External nail brackets</p> | | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 30.39 (67.0) | 385-LESN | |
| <p>2-1/2" Deep, Non-Gangable, Welded; Two 16 penny nails in side</p> | | | | | | | | | |

3" x 2" Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

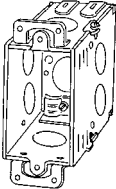
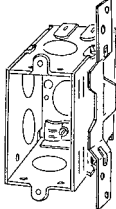
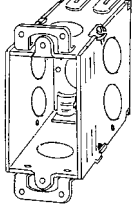
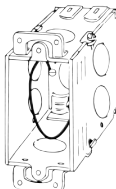
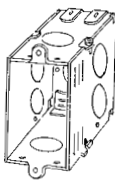
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|-------------------|
| | | | | Sides | Ends | Bottom | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 29.94 (66.0) | 384LES-VB |
| 2-1/2" Deep, Non-Gangable, Welded; Plain vertical bracket; Set back 3/4" | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 27.67 (61.0) | 384LES |
| 2-1/2" Deep, Non-Gangable, Welded; Four nail holes; Each side | | | | | | | | |
|  | 2-1/2 | 25.0 | CL-26 | — | (2) 1/2" (8) 21/32" | (2) 1/2" | 43.99 (97.0) | 384VB-PL2G |
| 2-1/2" deep, Non-Gangable, Assembly welded; Plain vertical bracket; Set back 3/4" | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 29.03 (64.0) | 385-LES |
| 2-1/2" Deep, Non-Gangable, Welded; External nail brackets | | | | | | | | |
|  | 2-1/2 | 12.5 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 30.39 (67.0) | 385-LESN |
| 2-1/2" Deep, Non-Gangable, Welded; Two 16 penny nails in side | | | | | | | | |

3" x 2" Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

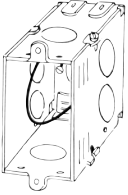
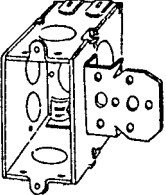
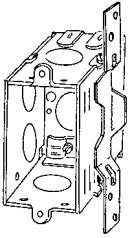
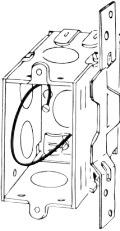
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|----------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-3/4" Deep, Gangable; Plaster ears</p> | 2-3/4 | 14.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 30.84 (68.0) | 389 ① |
|  <p>2-3/4" Deep, Deep, Gangable; Plain vertical bracket; Set back 3/4"</p> | 2-3/4 | 14.0 | CL-26 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 32.21 (71.0) | 389VB |
|  <p>3-1/2" Deep, Gangable Two nail holes each side; Plaster ears</p> | 3-1/2 | 18.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 37.19 (82.0) | 384D ① |
|  <p>3-1/2" Deep, Gangable Two nail holes each side; Plaster ears</p> <p>With Green Ground Wire</p> | 3-1/2 | 18.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 37.19 (82.0) | 384DP ② |
|  <p>3-1/2" Deep, Gangable; Two nail holes each side</p> | 3-1/2 | 18.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 35.83 (79.0) | 384DLE |

① Plaster ears support GFCI and decorative cover plates.

② Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

3" x 2" Square and Corner Switch Boxes

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

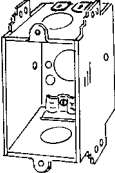
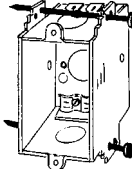
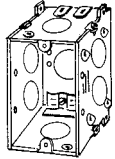
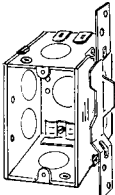
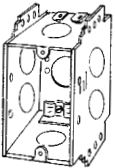
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|---------------------|
| | | | | Sides | Ends | Bottom | | |
| 3" x 2" Square Corner Switch Box - With Nonmetallic Sheathed Cable Clamp | | | | | | | | |
|  | 3-1/2 | 18.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 35.83 (79.0) | 384DLEP ① |
| With Green Ground Wire 3-1/2" Deep, Gangable Two nail holes each side | | | | | | | | |
| 3" x 2" Corner Switch Box - With Knockouts | | | | | | | | |
|  | 3-1/2 | 18.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 39.46 (87.0) | 384D-NL |
| 3-1/2" Deep, Gangable; Stud NL bracket; Set back 1/2" | | | | | | | | |
|  | 3-1/2 | 18.0 | CL-26 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 39.01 (86.0) | 384D-VBPL |
| 3-1/2" Deep, Gangable; Plain vertical bracket; Set back 3/4" | | | | | | | | |
|  | 3-1/2 | 18.0 | CL-26 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 39.01 (86.0) | 384D-VBPLP ① |
| With Green Ground Wire 3-1/2" Deep, Gangable; Plain vertical bracket set back 3/4" | | | | | | | | |

① Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

Square Corner Switch Boxes

With Nonmetallic Sheathed Cable Clamps

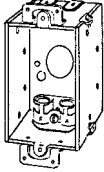
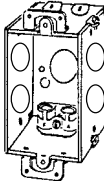
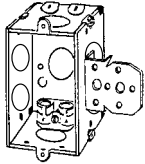
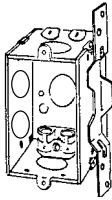
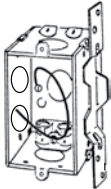
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|----------------|----------------------------|------------|----------------------|------------------------|----------|------------------------|----------------|
| | | | | Sides | Ends | Bottom | | |
| 3" x 2-1/8" Square Corner Switch Boxes | | | | | | | | |
|  | 2-7/8 | 16.0 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 29.94 (66.0) | 16LES |
| 2-7/8" Deep, Non-Gangable, Welded; External nail brackets | | | | | | | | |
|  | 2-7/8 | 16.0 | CL-26 | — | (2) 1/2" (4) 21/32" | (1) 1/2" | 31.30 (69.0) | 16LESN |
| 2-7/8" Deep, Non-Gangable, Welded; Two 16 penny nails in side | | | | | | | | |
| 3-3/4" x 2" Square Corner Switch Boxes | | | | | | | | |
|  | 2-1/2 | 16.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 15.88 (35.0) | 16LE |
| 2-1/2" Deep, Gangable; Patented raised ground screw hole, external nail brackets, leveling bosses | | | | | | | | |
|  | 2-1/2 | 16.0 | CL-26 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 18.14 (40.0) | 16LE-VB |
| 2-1/2" Deep, Gangable; Patented raised ground screw hole; Bracket set back 3/4 | | | | | | | | |
|  | 2-7/8 | 16.0 | CL-26 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 50.80 (112.0) | 18LES |
| 2-7/8" Deep, Non-Gangable, Welded; External nail brackets | | | | | | | | |

3" x 2" Square Corner Switch Boxes

With Clamps for Armored Cable (AC); Metal Clad Cable (MCI, MCI-A, MCS, MCC); Flexible Metal Conduit (FMC)

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|------------------|
| | | | | Sides | Ends | Bottom | | |
|  2" Deep, Gangable; Plaster ears | 2 | 10.7 | (2) CL-13 | — | (4) 21/32" | (1) 1/2" | 24.95 (55.0) | 171F ① |
|  2-1/2" Deep, Gangable; Adjustable plaster ears | 2-1/2 | 12.5 | (2) CL-13 | (4) 1/2" | (4) 21/32" | (1) 1/2" | 28.58 (63.0) | 173F ① |
|  2-1/2" Deep, Gangable; NL bracket set back 1/2" | 2-1/2 | 12.5 | (2) CL-13 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 31.75 (70.0) | 173FNL |
|  2-1/2" Deep, Gangable; Plain vertical bracket set back 3/4" | 2-1/2 | 12.5 | (2) CL-13 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 32.66 (72.0) | 173FVB |
|  2-1/2" Deep, Gangable; Plain vertical bracket set back 3/4" | 2-1/2 | 12.5 | (2) CL-13 | (2) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 32.66 (72.0) | 173FVBP ② |

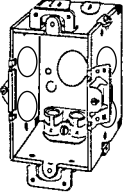
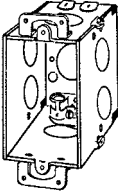
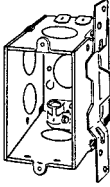
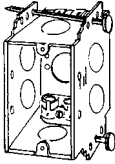
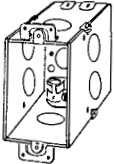
① Plaster ears support GFCI and decorative cover plates.

② Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire.

3" x 2" Square Corner Switch Boxes

With Clamps for Armored Cable (AC); Metal Clad Cable (MCI, MCI-A, MCS, MCC); Flexible Metal Conduit (FMC)

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

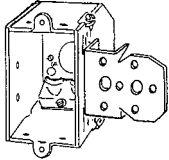
| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|---------------|----------------------|-------------------------|----------|---------------------------|------------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>2-1/2" Deep, Gangable; Lox Box® supports; Adjustable plaster ears</p> | 2-1/2 | 12.5 | (2) CL-13 | (4) 1/2" | (4) 2 1/32" | (1) 1/2" | 28.58 (63.0) | 173FHB ① |
|  <p>2-3/4" Deep, Gangable; Plaster ears</p> | 2-3/4 | 14.0 | (2) CL-13 | (4) 1/2" | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 31.75 (70.0) | 174F ① |
|  <p>2-3/4" Deep, Gangable; Plain vertical bracket set back 3/4"</p> | 2-3/4 | 14.0 | (2) CL-13 | (2) 1/2" | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 32.66 (72.0) | 174FVB-PL |
|  <p>2-2-7/8" Deep, Welded; Two 16 penny nails in external brackets</p> | 2-7/8 | 18.0 | CL-13 | (4) 1/2" | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 52.16 (115.0) | 18LESNX |
|  <p>3-1/2" Deep, Gangable; Plaster ears</p> | 3-1/2 | 18.0 | CL-13 | (4) 1/2" | (2) 1/2" (4) 2 1/32" | (1) 1/2" | 35.83 (79.0) | 175F ① |

① Plaster ears support GFCI and decorative cover plates.

3" x 2" Square Corner Switch Boxes

With Armored Cable (AC)/Metal Clad Cable (MCI, MCI-A, MCC)/ Flexible Metal Conduit Clamps

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Type Clamp | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------|-------------------------------|---------------|----------------------|------------------------|----------|---------------------------|-----------------|
| | | | | Sides | Ends | Bottom | | |
|  <p>With Green Ground Wire</p> <p>3-1/2" Deep, Gangable; Plaster ears</p> | 3-1/2 | 18.0 | CL-13 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 35.83 (79.0) | 175FP ① |
|  <p>3-1/2" Deep, Gangable; Plain vertical bracket set back 3/4"</p> | 3-1/2 | 18.0 | CL-13 | (4) 1/2" | (2) 1/2" (4) 21/32" | (1) 1/2" | 39.01 (86.0) | 175FVB ② |

① Plaster ears support GFCI and decorative cover plates.

② Provided with green ground screw and 10" long No. 12 AWG solid, insulated green ground wire

Multigang Switch Boxes

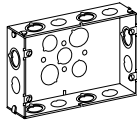
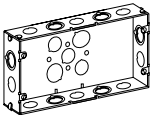
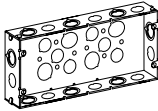
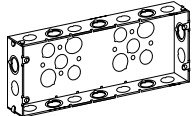
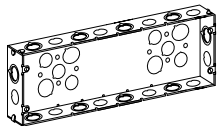
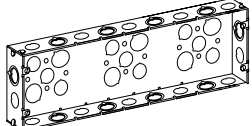
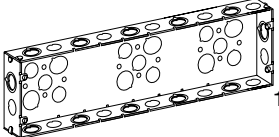
1-7/8" Deep with Knockouts

NEC/CEC:

UL Standard: 514A

UL Listed: E2527

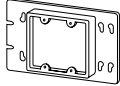
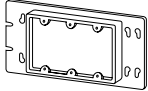
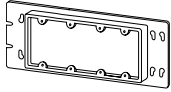
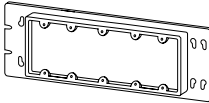
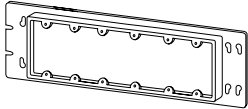
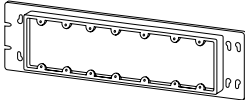
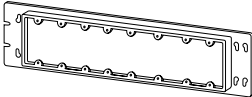
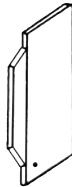
NEMA: OS-1

| | Dimensions W x H | Wiring Cubic Inch Capacity | No. of Gangs | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|-------------------------------|-----------------|-----------------------------|---------------------------|----------------------|---------------------------|-------------------|
| | | | | Sides | Ends | Bottom | | |
|  Two Gang 6-13/16" Wide, Welded | 6-7/8" x 4-9/16" | 56.3 | 2 | (4) 1/2" (4) Eccentric | (2) 1/2" (2) Eccentric | (3) 1/2" (2) 3/4" | 53.07 (117.0) | 2G5075S |
|  Three Gang 8-5/8" Wide, Welded | 8-3/4" x 4-9/16" | 65.0 | 3 | (6) 1/2" (4) Eccentric | (2) 1/2" (2) Eccentric | (3) 1/2" (2) 3/4" | 69.85 (154.0) | 3G5075S |
|  Four Gang 10-9/16" Wide, Welded | 10-9/16" x 4-9/16" | 80.0 | 4 | (6) 1/2" (6) Eccentric | (2) 1/2" (2) Eccentric | (6) 1/2" (4) 3/4" | 82.55 (182.0) | 4G5075S |
|  Five Gang 12-15/16" Wide, Welded | 12-5/16" x 4-9/16" | 94.8 | 5 | (8) 1/2" (6) Eccentric | (2) 1/2" (2) Eccentric | (6) 1/2" (4) 3/4" | 92.98 (205.0) | 5G5075S |
|  Six Gang 14-1/8" Wide, Welded | 14-1/8" x 4-9/16" | 111.1 | 6 | (8) 1/2" (8) Eccentric | (2) 1/2" (2) Eccentric | (6) 1/2" (4) 3/4" | 103.19 (227.5) | 6G5075S |
|  Seven Gang 15-15/16" Wide, Welded | 15-5/16" x 4-9/16" | 127.0 | 7 | (10) 1/2" (8) Eccentric | (2) 1/2" (2) Eccentric | (9) 1/2" (6) 3/4" | 131.54 (290.0) | 7G5075S |
|  Eight Gang 17-3/4" Wide, Welded | 17-3/4" x 4-9/16" | 142.1 | 8 | (10) 1/2" (10) Eccentric | (2) 1/2" (2) Eccentric | (9) 1/2" (6) 3/4" | 115.67 (255.0) | 8G5075S |

Multigang Switch Box Covers

3/4" Raised Device Covers

NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

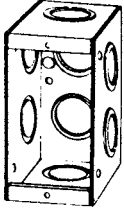
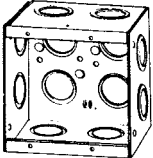
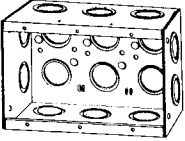
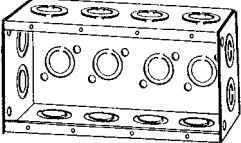

| | Dimensions W x H | Wiring Cubic Inch Capacity | No. of Gangs | Weight per 100 kg (lb) | Catalog Number ① |
|---|--|----------------------------|--------------|------------------------|------------------|
|  | 6-7/8" x 4-9/16" | 9.1 | 2 | 25.85 (57.0) | 2GC75N |
| Two Gang, 7-1/16" Wide | | | | | |
|  | 8-3/4" x 4-9/16" | 14.9 | 3 | 31.75 (70.0) | 3GC75N |
| Three Gang, 8-7/8" Wide | | | | | |
|  | 10-9/16" x 4-9/16" | 21.0 | 4 | 34.47 (76.0) | 4GC75N |
| Four Gang, 10-9/16" Wide | | | | | |
|  | 12-5/16" x 4-9/16" | 25.5 | 5 | 37.65 (83.0) | 5GC75N |
| Five Gang, 12-5/16" Wide | | | | | |
|  | 14-1/8" x 4-9/16" | 30.8 | 6 | 41.73 (92.0) | 6GC75N |
| Six Gang, 14-1/8" Wide | | | | | |
|  | 15-5/16" x 4-9/16" | 36.1 | 7 | 45.36 (100.0) | 7GC75N |
| Seven Gang, 15-5/16" Wide | | | | | |
|  | 17-3/4" x 4-9/16" | 41.1 | 8 | 52.16 (115.0) | 8GC75N |
| Eight Gang, 17-3/4" Wide | | | | | |
| Low Voltage Partition for Multigang Switch Boxes | | | | | |
|  | 1-7/8" Partition for use with 3/4" raised covers | | | 7.48 (16.5) | LVP-1N |

① Device covers will also fit the next smaller size box.

Masonry Boxes

2-1/2" Deep x 3-3/4" High With Concentric Knockouts (Non-Gangable)

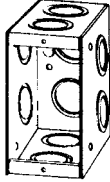
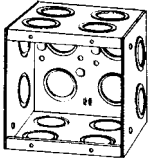
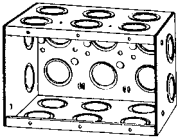
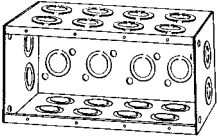
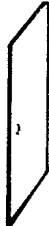
NEC/CEC:
UL Standard: 514A
UL Listed: E2527
NEMA: OS-1

| | Width (Inches) | Wiring Cubic Inch Capacity | Concentric Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|--|-------------------|-------------------------------|--|-----------------|-----------------|---------------------------|----------------|
| | | | Sides | Ends | Bottom | | |
|  <p>1-13/16" Wide, Welded, Single gang</p> | 1-13/16 | 15.5 | (4) 1/2" - 3/4" | (2) 1/2" - 3/4" | (2) 1/2" - 3/4" | 29.94 (66.0) | M1-250 |
|  <p>3-5/8" Wide, Welded, Two gang</p> | 3-5/8 | 31.0 | (4) 1/2" - 3/4" | (4) 1/2" - 3/4" | (4) 1/2" - 3/4" | 52.62 (116.0) | M2-250 |
|  <p>5-7/16" Wide, Welded; Three gang</p> | 5-7/16 | 46.5 | (4) 1/2" - 3/4" | (6) 1/2" - 3/4" | (6) 1/2" - 3/4" | 63.50 (140.0) | M3-250 |
|  <p>7-3/8" Wide, Welded, Four gang</p> | 7-3/8 | 67.0 | (4) 1/2" - 3/4" | (8) 1/2" - 3/4" | (4) 1/2" - 3/4" | 72.57 (160.0) | M4-250 |
| Low Voltage Partitions | | | | | | | |
|  | | 0.0 | For 2-1/2" 2- and 3-Gang Masonry Boxes | | | 7.26 (16.0) | LVP-250 |

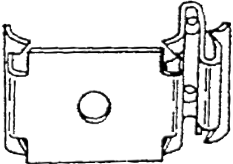
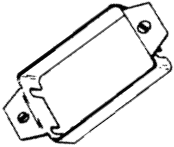

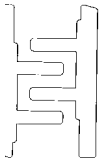


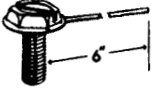

Masonry Boxes

3-1/2" Deep x 3-3/4" High with Concentric Knockouts (Non-Gangable)

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 NEMA: OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Knockout Description | | | Weight per 100 kg (lb) | Catalog Number |
|---|----------------|----------------------------|--|------------------|-----------------|------------------------|----------------|
| | | | Sides | Ends | Bottom | | |
|  <p>1-13/16" Wide, Welded Single gang</p> | 1-13/16 | 22.0 | (4) 1/2" - 3/4" | (4) 1/2" - 3/4" | (2) 1/2" - 3/4" | 39.01 (86.0) | M1-350 |
|  <p>3-5/8" Wide, Welded Two gang</p> | 3-5/8 | 44.0 | (4) 1/2" - 3/4" | (8) 1/2" - 3/4" | (4) 1/2" - 3/4" | 57.15 (126.0) | M2-350 |
|  <p>5-7/16" Wide, Welded Three gang</p> | 5-7/16 | 66.0 | (4) 1/2" - 3/4" | (12) 1/2" - 3/4" | (6) 1/2" - 3/4" | 73.94 (163.0) | M3-350 |
|  <p>7-3/8" Wide, Welded Four gang</p> | 7-3/8 | 92.0 | (4) 1/2" - 3/4" | (16) 1/2" - 3/4" | (4) 1/2" - 3/4" | 90.72 (200.0) | M4-350 |
| Low Voltage Partitions | | | | | | | |
|  | | 0.0 | For 3-1/2" 2-, 3- and 4-Gang Masonry Boxes | | | 10.89 (24.0) | LVP-350 |

Outlet Box/Switch Box Accessories

| | Depth (Inches) | Weight per 100 kg (lb) | Catalog Number |
|---|---|---------------------------|----------------|
| Outlet Box Metal Stud Clip | | | |
|  | Mounts all types, sizes and depths of outlet boxes to any metal stud | 2.68 (5.9) | MSC-OBN |
| Switch Box Extension | | | |
|  | Fits all single gang switch boxes with 1/8" screws (7/8" depth; 4.5 cubic inch wiring capacity) | 4.99 (11.0) | 1490 |
| Switch Box Supports | | | |
|  | LOX BOX® fits standard switch boxes (wall 1/4" minimum to 1-1/4" maximum) | 1.18 (2.6) | 892 |
|  | "E-Z-IN" wall 1/4" minimum to 1-1/4" maximum | 1.18 (2.6) | 896 ① |
| Grounding Clip | | | |
|  | For use with No. 14 or No. 12 nonmetallic sheathed cable having ground wire | 0.18 (0.4) | GR12 |
| Washer Head Grounding Screws and Pigtails | | | |
|  | 3/8" long – 10-32 thread green ground screw with 10" solid copper insulated green wire, No. 12 AWG wire pigtail | 0.82 (1.80) | SCR1032-PTL10C |
|  | 3/8" long – 10-32 thread green ground screw with 10" solid copper bare wire, No. 14 AWG wire pigtail | 0.54 (1.20) | SCR1032-PTL10B |
|  | 3/8" long – 10-32 thread green ground screw | 0.23 (0.50) | SCR1032 |

① Sold (and used) in pairs.

Weatherproof Boxes, Covers, Lampholders and Lighting Fixtures

Applications

- Use in branch circuit wiring for wet, damp or dry locations.
- May be used as a junction box or a device box for switches, receptacles, GFCIs, etc.
- Lampholders are for use in exterior and interior applications to provide safety and security for driveways, doorways and walkways.
- Lighting fixtures are for use in areas where moisture ingress is a concern such as construction sites, tunnels, bridges and subways.

Features

- Rugged continuous and seamless diecast construction prevents entry of dirt, dust and moisture.
- Powder coating is applied for uniform cosmetic coating and weatherproof durability.
- Mounting can be achieved with mounting lugs (provided) or by using the integral mounting knockouts.
- Smooth, accurately tapped hubs prevent wire abrasion.
- Clear UL marking and volumetric marking cast into each box and extension ring facilitate electrical inspection.
- Continuous box and cover compression ensure complete sealing at gasket interface to prevent moisture entry.
- Lockable covers and covers with integral devices are offered.
- Closure plugs (2), mounting lugs (2) and green ground screw provided with each box.
- Mounting hardware and gasket provided with each cover.
- Locking swivel knuckle on lampholders permits positive lamp positioning and accurate directional aiming.
- Lampholders are supplied with all hardware including locknuts, porcelain sockets and internal gaskets for reliability and weather protection.
- Photocells and lampholders are supplied with long leads (4" from the end of the knuckle) to facilitate wiring.
- Lighting fixtures are factory assembled and fully gasketed to ensure fast and easy installation.
- Complete installation instructions are provided with each item.
- In-Use covers include patented inserts and comply with NEC® requirements.
- Lighting fixtures are individually boxed, labeled and bar coded for ease of handling and identification.

Standard Materials/Finishes

- Boxes, extensions, covers, lamp-holders, lighting fixtures, and closure plugs: diecast aluminum
- In-use covers: polycarbonate
- Lugs: stamped aluminum (one- and two-gang boxes), integrally cast (round boxes)
- Cover screws: plated steel
- Gaskets: closed cell foam (covers), fiber (lampholders), closed cell foam or fiber (lighting fixtures)
- Glass: annealed glass
- Sockets: porcelain (lampholders and lighting fixtures)

NEC/CEC Certifications and Compliances

- UL Standard: 514A, 514D, 1598 as applicable
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.1, C22.2 No. 250.0 as applicable
- cUL Listed: E2527
- NEMA: FB-1, OS-1



Most of the boxes, covers and lampholders are individually shrink wrapped, labeled and bar coded for ease of handling and identification.






Sturdy corrugated boxes with easy lift-off top with shrink wrapping facilitate merchandising.

One-Gang Weatherproof Outlet Boxes and Extensions

Closure plugs, ground screw and mounting lugs included.

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: FB-1, OS-1

Commercial Products




| | Depth (Inches) | Wiring Cubic Inch Capacity | Hub Size (Inches) | No. Of Hubs | Catalog Number |
|---|----------------|----------------------------|-------------------|-------------|----------------|
|  | 2 | 18.3 | 1/2 | 4 | WSL150 ① |
| | 2 | 18.3 | 3/4 | 4 | WSL175 |
|  | 2 | 18.3 | 1/2 | 3 | WSM150 ① |
| | 2 | 18.3 | 3/4 | 3 | WSM175 |
| | 2 | 18.3 | 1 | 3 | WSM110 |
|  | 2 | 18.3 | 1/2 | 5 | WSP150 |
| | 2 | 18.3 | 3/4 | 5 | WSP175 |
|  | 2 | 18.3 | 1/2 | 5 | WSX150 |
| | 2 | 18.3 | 3/4 | 5 | WSX175 |
| | 2 | 18.3 | 1 | 5 | WSX110 |
|  | 2-5/8 | 25.5 | 1/2 | 3 | WDM150 |
| | 2-5/8 | 25.5 | 3/4 | 3 | WDM175 |
| | 2-5/8 | 25.5 | 1 | 3 | WDM110 |

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

One-Gang Weatherproof Outlet Boxes and Extensions

Closure plugs, ground screw and mounting lugs included.

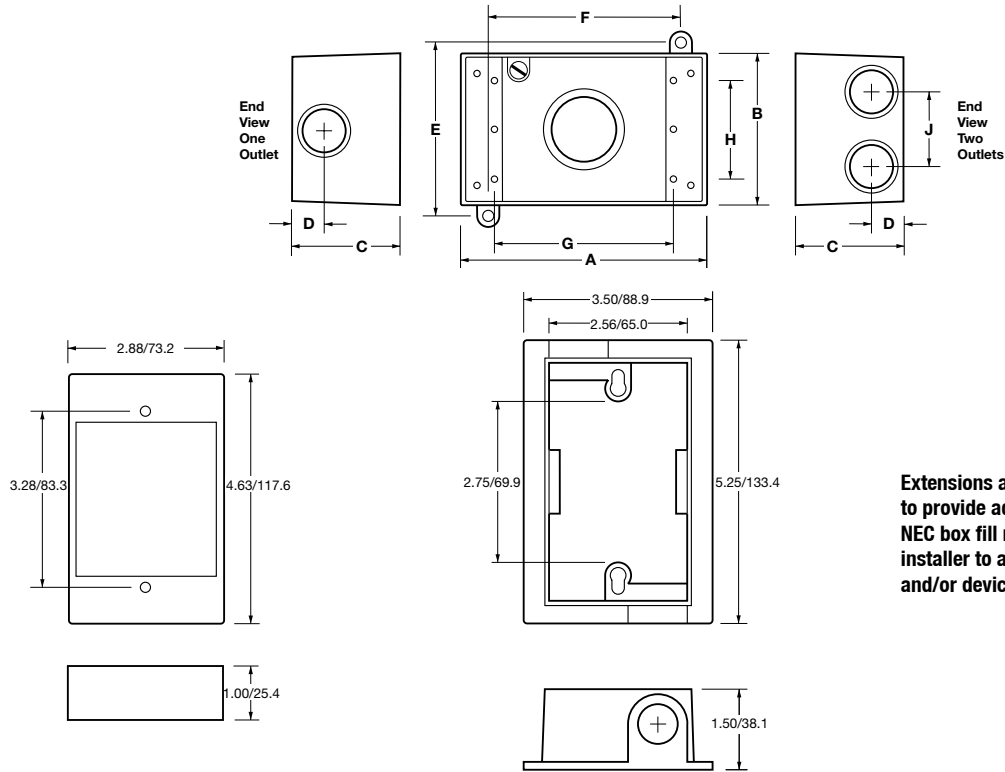
NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Hub Size (Inches) | No. Of Hubs | Catalog Number |
|---|----------------|----------------------------|-------------------|-------------|----------------|
|  | 2-5/8 | 25.5 | 1/2 | 5 | WDX150 |
| | 2-5/8 | 25.5 | 3/4 | 5 | WDX175 |
| | 2-5/8 | 25.5 | 1 | 5 | WDX110 |
|  | 1 | 9.5 | - | - | WE1 |
|  | 1-1/2 | 12.5 | 1/2 | 4 | WEFX50 |
| | 1-1/2 | 12.5 | 3/4 | 4 | WEFX75 |

One-Gang Box and Extension Dimensions

Closure plugs, ground screw and mounting lugs included.

Dimensions in Millimeters (Inches)



Extensions and Extension Adapters are used to provide additional capacity needed for NEC box fill requirements. Adapters allow installer to add "takeoffs" to new boxes and/or devices.

Extension E1






Flanged Extension Adapter: WEFX50, WEFX75

| A | B | C | D | E | F | G | H | J | Catalog Number |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | 36.5 (1.43) | WSL150 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | 36.5 (1.43) | WSL175 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSM150 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSM175 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSM110 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | 36.5 (1.43) | WSP150 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | 36.5 (1.43) | WSP175 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSX150 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSX175 |
| 115.8 (4.56) | 71.4 (2.81) | 50.8 (2.00) | 17.5 (0.68) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WSX110 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDM150 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDM175 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDM110 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDX150 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDX175 |
| 115.8 (4.56) | 71.4 (2.81) | 66.8 (2.63) | 19.1 (0.75) | 77.7 (3.06) | 88.9 (3.50) | 82.6 (3.25) | 47.8 (1.88) | - | WDX110 |

Two-Gang Weatherproof Outlet Boxes and Extensions

Closure plugs, ground screw and mounting lugs included.s

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Hub Size (Inches) | No. of Hubs | Catalog Number |
|---|----------------|----------------------------|-------------------|-------------|----------------|
|  | 2.2 | 30.2 | 1/2 | 7 | WSK250 |
| | 2.2 | 30.2 | 3/4 | 7 | WSK275 |
|  | 2.2 | 30.2 | 1/2 | 4 | WSL250 |
| | 2.2 | 30.2 | 3/4 | 4 | WSL275 |
|  | 2.2 | 30.2 | 1/2 | 3 | WSM250 |
| | 2.2 | 30.2 | 3/4 | 3 | WSM275 |
| | 2.2 | 30.2 | 1 | 3 | WSM210 |
|  | 2.2 | 30.2 | 1/2 | 5 | WSP250 |
| | 2.2 | 30.2 | 3/4 | 5 | WSP275 |
|  | 2.2 | 30.2 | 1/2 | 6 | WSR250 |
| | 2.2 | 30.2 | 3/4 | 6 | WSR275 |

Commercial Products

Two-Gang Weatherproof Outlet Boxes and Extensions

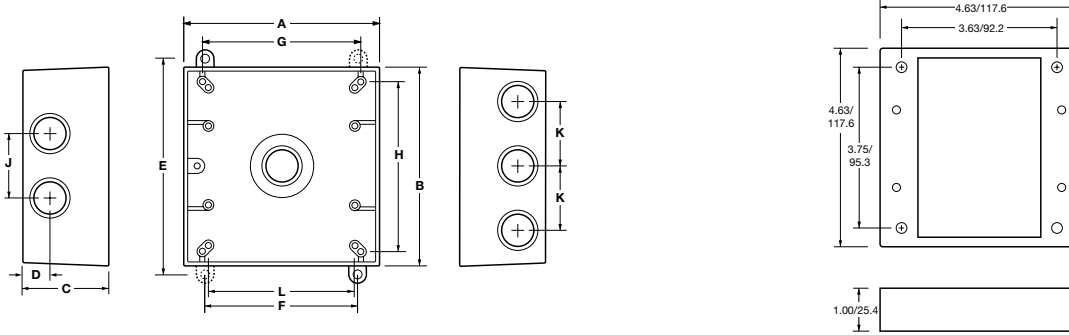
Closure plugs, ground screw and mounting lugs included.

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Hub Size (Inches) | No. Of Hubs | Catalog Number |
|---|----------------|----------------------------|-------------------|-------------|----------------|
|  | 2.2 | 30.2 | 1/2 | 7 | WST250 |
| | 2.2 | 30.2 | 3/4 | 7 | WST275 |
|  | 2.2 | 30.2 | 1/2 | 5 | WSX250 |
| | 2.2 | 30.2 | 3/4 | 5 | WSX275 |
| | 2.2 | 30.2 | 1 | 5 | WSX210 |
|  | 2.78 | 36 | 1/2 | 7 | WDK250 |
| | 2.78 | 36 | 3/4 | 7 | WDK275 |
| | 2.78 | 36 | 1 | 7 | WDK210 |
|  | 2.78 | 36 | 1/2 | 5 | WDP250 |
| | 2.78 | 36 | 3/4 | 5 | WDP275 |
| | 2.78 | 36 | 1 | 5 | WDP210 |
|  | 1 | 16 | — | — | WE2 |

Two-Gang Box and Extension Dimensions

Dimensions in Millimeters (Inches)



Extension WE2 – Dimensions (Inches/Millimeters) Extensions and Extension Adapters are used to provide additional capacity needed for NEC box fill requirements. Adapters allow installer to add “take-offs” to new boxes and/or devices.

| A | B | C | D | E | F | G | H | J | K | L | Catalog Number |
|-----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSK250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSK275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSL250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSL275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSM250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSM275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSM210 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSP250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSP275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSR250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WSR275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | 38.1 (1.50) | 82.6 (3.25) | WST250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | 38.1 (1.50) | 82.6 (3.25) | WST275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSX250 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSX275 |
| 115.0 (4.52) | 115.0 (4.52) | 54.5 (2.14) | 16.0 (0.63) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | - | - | 82.6 (3.25) | WSX210 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDK250 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDK275 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDK210 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDP250 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDP275 |
| 115.0 (4.52) | 115.0 (4.52) | 67.8 (2.66) | 21.7 (0.85) | 123.6 (4.86) | 98.2 (3.86) | 93.7 (3.69) | 96.1 (3.78) | 38.1 (1.50) | - | 82.6 (3.25) | WDP210 |

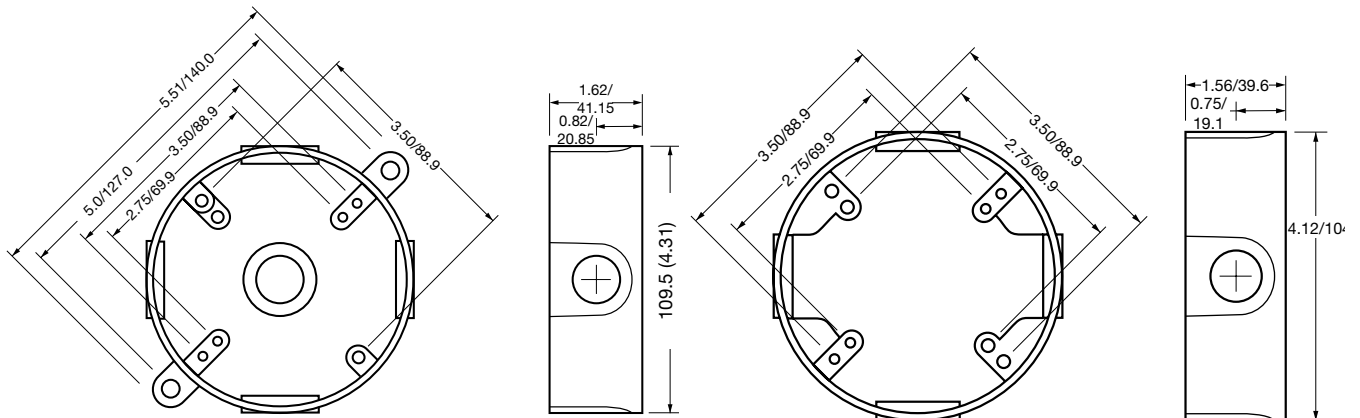
Round Weatherproof Outlet Boxes and Extensions

Closure plugs, ground screw and mounting lugs included.

NEC/CEC:
 UL Standard: 514A
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: FB-1, OS-1

| | Depth (Inches) | Wiring Cubic Inch Capacity | Hub Size (Inches) | No. Of Hubs | Catalog Number |
|---|----------------|----------------------------|-------------------|-------------|----------------|
|  | 1.62 | 16 | 1/2 | 5 | WRX50 ① |
|  | 1.62 | 16 | 3/4 | 5 | WRX75 ① |
|  | 1.62 | 16.5 | 1/2 | 4 | WRX50CG |
|  | 1.62 | 16.5 | 3/4 | 4 | WRX75CG |

Dimensions in Millimeters (Inches)



WRX50
 WRX75
 WRX50CG
 WRX75CG

Extension WERX50/WERX75

Extensions and Extension Adapters are used to provide additional capacity needed for NEC box fill requirements. Adapters allow installer to add "take-offs" to new boxes and/or devices.


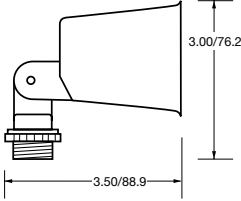
① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

Weatherproof Lampholders

NEC/CEC:
 UL Standard: 1598
 CSA Standard: C22.2 No. 250

Locking swivel knuckle permits lamp positioning and aiming.

Supplied with porcelain sockets, gaskets, extra long leads, locknut and other hardware. For aiming horizontal or downward. For use with 150 W.

| | Description | Color | Catalog Number | |
|---|-----------------------|-------|----------------|---|
|  | Unfinished Lampholder | Metal | WLU1 |  |
| | Finished Lampholder | Gray | WLI ① | |


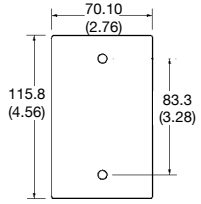

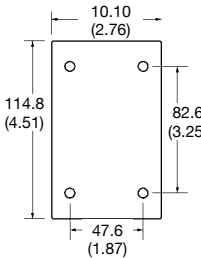


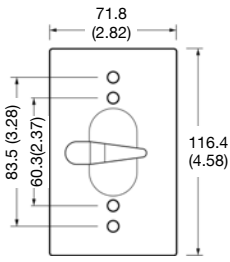

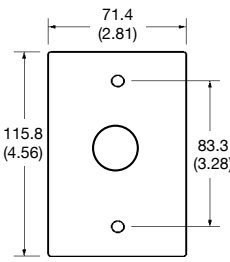
Commercial Products

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

One-Gang Weatherproof Covers

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|--|-------------|------------------------|-------|----------------|---|
|  | Blank Cover, 2-screws (stamped aluminum) | Universal | — | Gray | WCB1 |  |
|  | Blank Cover, 4-screws (stamped aluminum) | Universal | — | Gray | WCB14 |  |
|  | Toggle Switch Cover | Vertical | Switch (10A - 20A) | Gray | WCT1 | |
|  | Toggle Switch Cover w/ switch | Vertical | Switch (15A, 1-pole) | Gray | WCT115 |  |
| | Toggle Switch Cover w/ switch | Vertical | Switch (15A, 3 Way) | Gray | WCT113 | |
|  | Cover with Photocell (stamped aluminum) | Universal | Photocell (120A, 300W) | Gray | WCE1 |  |

One-Gang Weatherproof Covers

Gasket and mounting hardware included.


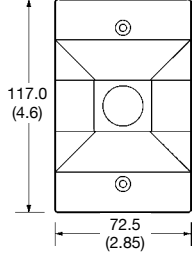

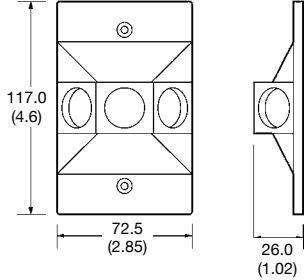

NEC/CEC:

UL Standard: 514A, 1598

UL Listed: E53330

CSA Standard: C22.2 No. 18.1, C22.2 No. 250

NEMA: OS-1


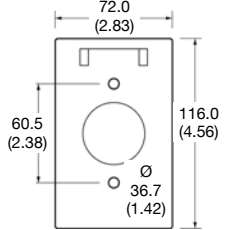

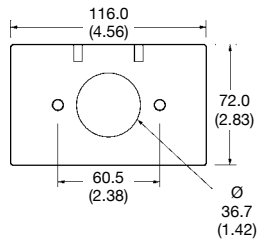

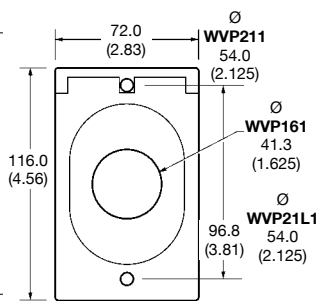
| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|--|-------------|-----------------------------|-------|-----------------|--|
|  | Raised Cover, one 1/2" hub | Universal | 1 Photocell or lampholder | Gray | WC1150 |  |
| | | | | | | For horizontal to downward aiming (For use with 150 W max lamp) |
|  | Raised Cover, three 1/2" hubs | Universal | 3 Photocells or lampholders | Gray | WC1350 ① |  |
|  | Raised Cover, two 1/2" hubs with lampholders | Universal | 2 Lampholders included | Gray | WC12L | |

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

One-Gang Weatherproof Covers

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1



| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|--|-------------|-------------------------|-------|------------------|---|
|  | Self Closing Cover | Vertical | Single Recept or Switch | Gray | WVS1 |  |
|  | Self Closing Cover | Horizontal | Single Recept or Switch | Gray | WHS1 |  |
| | Self Closing Power Outlet Cover (2.125" opening) | Vertical | Single Recept (20A-50A) | Gray | WVP211 | |
|  | Self Closing Power Outlet Cover (1.625" opening) | Vertical | Single Recept | Gray | WVP161 |  |
| | Self Closing Power Outlet Cover (2.125" opening) | Vertical | Single Recept (20A-50A) | Gray | WVP21L1 ① | |

① Hasp diameter 3/16". Lock not included.

One-Gang Weatherproof In-Use Covers with Inserts

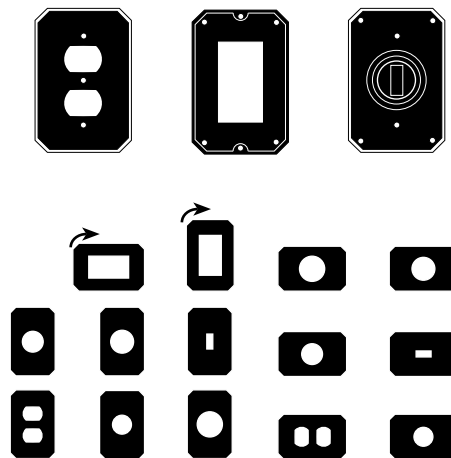
Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| | Description | Orientation | Color | Catalog Number |
|---|--|-------------|-------|-----------------|
|  | In-Use cover, 2-7/8" deep (polycarbonate) | Universal | Clear | WCIU1 ① |
|  | In-Use cover, 3-1/2" deep (polycarbonate) | Universal | Clear | WCDIU1 ① |

COMMERCIAL INDUSTRIES

WCIU1 and WCDIU1 Inserts 3 inserts produce 14 configurations
 Single gang In-Use inserts can be used in both vertical and horizontal applications, by simply changing the hinge points.




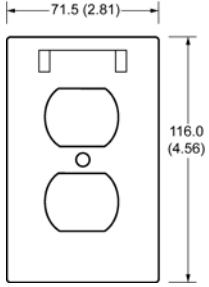


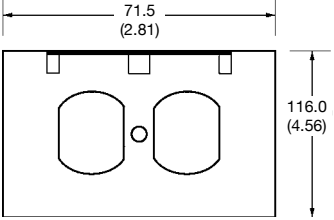


① Provided with inserts, devices not included.

One-Gang Weatherproof Covers

Gasket and mounting hardware included.

NEC/CEC:

UL Standard: 514D
UL Listed: E53330
CSA Standard: C22.2 No. 18.1
NEMA: OS-1, WD-1
NEMA: OS-1, WD-1

| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|------------------------------|-------------|-------------------------|-------|----------------|---|
|  | Self closing cover | Vertical | Duplex Recept or Switch | Gray | WVD1 ① |  |
|  | Self closing cover | Vertical | Duplex Recept or Switch | Gray | WVDL1 ② | |
|  | Self closing cover | Horizontal | Duplex Recept or Switch | Gray | WHD1 ① |  |
|  | Stay open cover | Horizontal | Duplex Recept or Switch | Gray | WHDO1 ③ | |
|  | Self closing cover w/ recept | Horizontal | Duplex Recept | Gray | WHD1WR | |

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.
 ② Hasp diameter 3/16". Lock not included.
 ③ Not UL Listed.

One-Gang Weatherproof Covers

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| | Description | Orientation | For use with devices | Color | Catalog Number | |
|--|--------------------|-------------|----------------------|-------|----------------|--|
| | Self closing cover | Horizontal | GFCI | Gray | WHG1 ① | |
| | Self closing cover | Vertical | GFCI | Gray | WVG1 ① | |


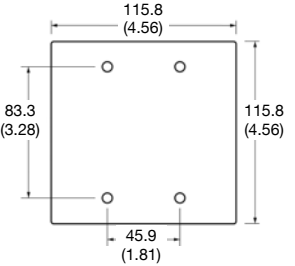

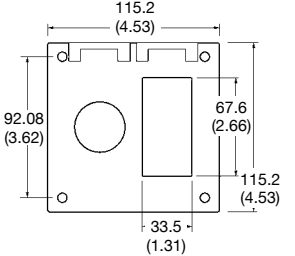

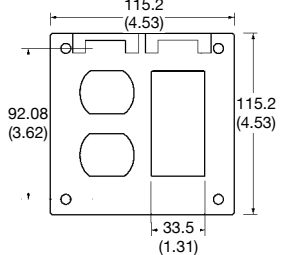

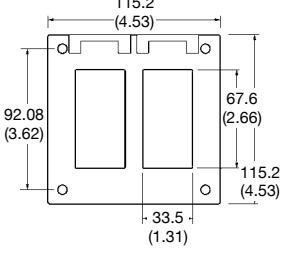
Commercial Products

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

Two-Gang Weatherproof Covers and Dimensions

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|--------------------------------|-------------|------------------------|-------|----------------|---|
|  | Blank Cover (stamped aluminum) | Universal | — | Gray | WCB24 |  |
|  | Self Closing Cover | Vertical | Single Recept and GFCI | Gray | WVSG2 |  |
|  | Self Closing Cover | Vertical | Duplex Recept and GFCI | Gray | WVDG2 |  |
|  | Self Closing Cover | Vertical | 2 GFCI | Gray | WVGG2 |  |

Two-Gang Weatherproof Covers and Dimensions

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| Description | Orientation | For use with devices | Color | Catalog Number |
|-------------|-------------|----------------------|-------|----------------|
|-------------|-------------|----------------------|-------|----------------|



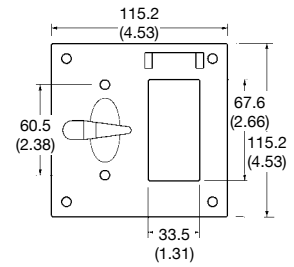
Self Closing Cover

Vertical

Switch
(10A - 20A)
and GFCI

Gray

WVTG2



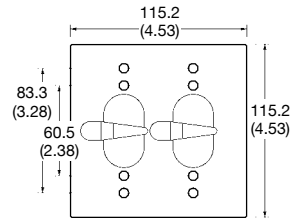
Toggle Switch Cover
(stamped aluminum)

Vertical

2 Switches
(15A - 20A)

Gray


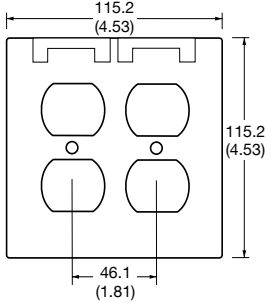

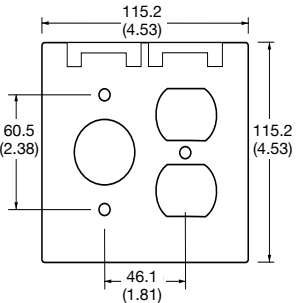

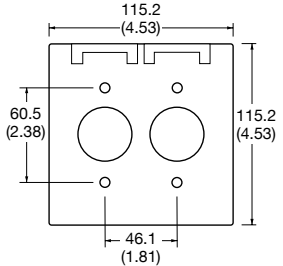
WVTT2



Two-Gang Weatherproof Covers and Dimensions

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1


| | Description | Orientation | For use with devices | Color | Catalog Number | |
|---|--------------------|-------------|---------------------------------|-------|----------------|---|
|  | Self closing cover | Vertical | 2 Duplex Recept or Switches | Gray | WVDD2 |  |
|  | Self closing cover | Vertical | Single Recept and Duplex Recept | Gray | WVSD2 ① |  |
|  | Self closing cover | Vertical | 2 Single Recept or Switches | Gray | WVSS2 ① |  |

① Catalog number shown represents gray color. White (Suffix W) and Bronze (Suffix B) also available. Consult local sales representative for lead time.

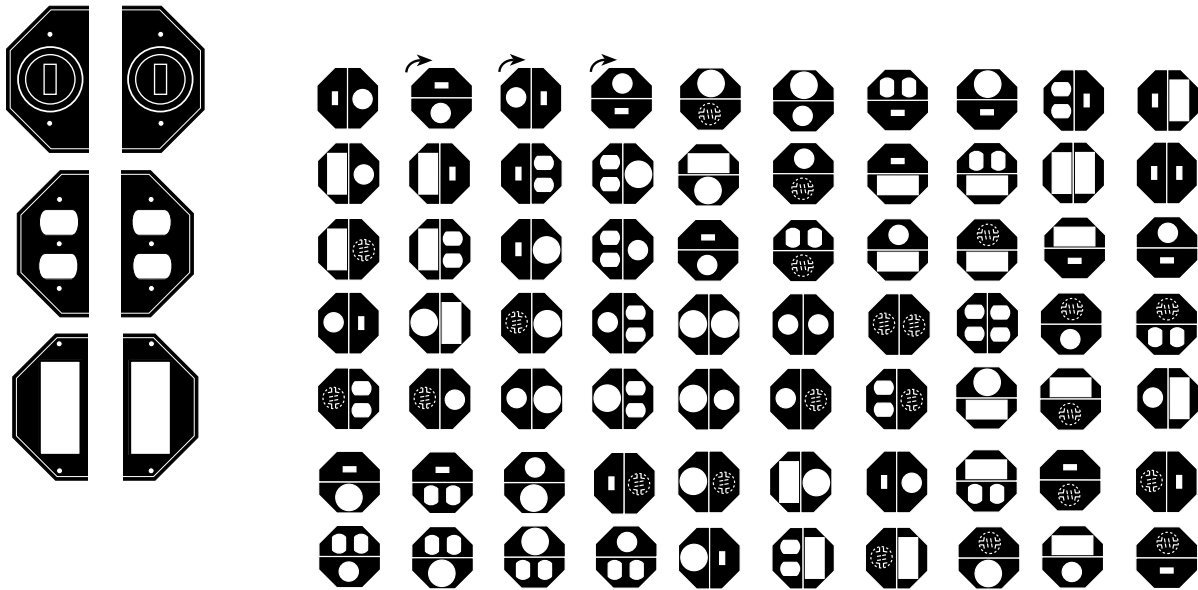
Two-Gang Weatherproof In-Use Covers with Inserts

Gasket and mounting hardware included.

NEC/CEC:
 UL Standard: 514D
 UL Listed: E2527
 CSA Standard: C22.2 No. 18.1
 cUL Listed: E2527
 NEMA: OS-1

| | Description | Orientation | Color | Catalog Number |
|---|---|-------------|-------|----------------|
|  | In-Use Cover, 2-1/4" Deep (polycarbonate) | Vertical | Clear | WCIU2 ① |

WCIU2 Inserts— 6 inserts produce 70 configurations
 Two gang In-Use convertible inserts snap together to create combinations for almost every application.


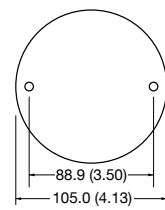

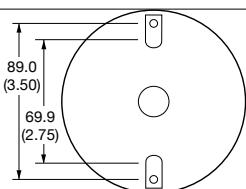

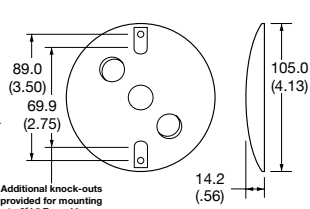


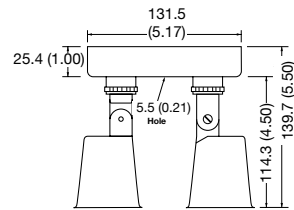

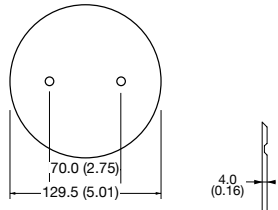

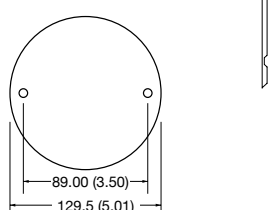


① Provided with inserts, devices not included.

Round Weatherproof Covers and Dimensions

Gasket and mounting hardware included. Lampholders are adjustable. Porcelain sockets.

NEC/CEC:
UL Standard: 514A, 1598
UL Listed:
CSA Standard: C22.2 No. 18.1, C22.2 No. 250
NEMA: OS-1

| | Description | Orientation | For use with devices | Color | Catalog Number | Dimensions in Millimeters (Inches) |
|---|--|-------------|-----------------------------|-------|------------------|---|
|  | Blank Cover, 4" OD (stamped aluminum) | Universal | — | Gray | WCBR |  |
|  | Raised Cover, One 1/2" hub | Universal | 1 Photocell or lampholder | Gray | WCR150 ① |  |
|  | Raised Cover, Three 1/2" hubs | Universal | 3 Photocells or lampholders | Gray | WCR350 ① |  |
|  | Raised Cover, two 1/2" hubs with lampholders | Universal | 2 Lampholders included | Gray | WCR2L ② | |
|  | Ceiling plate (deep) with lampholders | Universal | 2 Lampholders included | White | WCRD2LW ③ |  |
|  | Ceiling plate w/ beveled edge | Universal | — | White | WCRB3W |  |
|  | Ceiling plate w/ beveled edge | Universal | — | White | WCRB4W |  |




① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.
② For horizontal to downward aiming For use with 150W max. lamp. Box not included.
③ For use with 150W max. lamp

Weatherproof Incandescent Fixtures

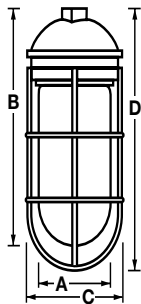
NEC/CEC:
UL Standard: 1598
UL Listed:
CSA Standard: C22.2 No. 250

Factory assembled with guard, 120 volt rated.

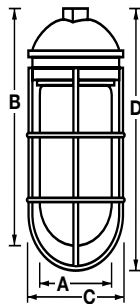
Ground screw, closure plugs and mounting lugs included. Use with 125 °C (257 °F) supply wire. Use with medium base incandescent lamps. Gray color.

| | Mounting Style | Hub Size (Inches) | No. of Hubs | Wattage | Dimensions In Millimeters (Inches) | | | | | | Catalog Number |
|---|----------------|-------------------|-------------|---------|------------------------------------|------------------|-----------------|------------------|-----------------|-----------------|----------------|
| | | | | | A | B | C | D | E | F | |
|  | Pendant | 1/2 | 1 | 100 | 85.0 (3.34) | 231.0 (9.09) | 105.5 (4.15) | 251.0 (9.88) | — | — | WFA1050G |
| | Pendant | 3/4 | 1 | 100 | 85.0 (3.34) | 231.0 (9.09) | 105.5 (4.15) | 251.0 (9.88) | — | — | WFA1075G |
| | Pendant | 1/2 | 1 | 200 | 109.8 (4.32) | 266.7 (10.50) | 135.5 (5.33) | 279.4 (11.00) | — | — | WFA2050G |
| | Pendant | 3/4 | 1 | 200 | 111.3 (4.38) | 266.7 (10.50) | 135.5 (5.33) | 279.4 (11.00) | — | — | WFA2075G |
|  | Ceiling | 1/2 | 5 | 100 | 85.0 (3.34) | 219.0 (8.62) | 105.5 (4.15) | 238.0 (9.37) | — | — | WFC1050G |
| | Ceiling | 3/4 | 5 | 100 | 85.0 (3.34) | 219.0 (8.62) | 108.0 (4.15) | 238.0 (9.37) | — | — | WFC1075G |
| | Ceiling | 1/2 | 5 | 200 | 109.8 (4.32) | 266.7 (10.50) | 135.5 (5.33) | 273.1 (10.75) | — | — | WFC2050G |
| | Ceiling | 3/4 | 5 | 200 | 109.8 (4.32) | 266.7 (10.50) | 135.5 (5.33) | 273.1 (10.75) | — | — | WFC2075G |
|  | Wall | 1/2 | 5 | 100 | 85.0 (3.34) | 184.2 (7.25) | 105.5 (4.15) | 207.0 (8.14) | 118.0 (4.64) | 106.0 (4.17) | WFW1050G |
| | Wall | 3/4 | 5 | 100 | 85.0 (3.34) | 184.2 (7.25) | 105.5 (4.15) | 207.0 (8.14) | 118.0 (4.64) | 106.0 (4.17) | WFW1075G |
| | Wall | 1/2 | 5 | 200 | 109.8 (4.32) | 222.3 (8.75) | 135.5 (5.33) | 235.0 (9.25) | 118.0 (4.64) | 114.3 (4.50) | WFW2050G |
| | Wall | 3/4 | 5 | 200 | 109.8 (4.32) | 222.3 (8.75) | 135.5 (5.33) | 235.0 (9.25) | 118.0 (4.64) | 114.3 (4.50) | WFW2075G |

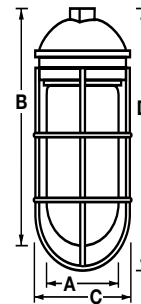
Dimensions in Millimeters (Inches)



WFA Series



WFC Series



WFW Series

Weatherproof Accessories and Replacement Parts

| Accessories | | | | |
|---|---|---|--------|------------------|
| | Electrical Rating | Description | Color | Catalog Number |
|  | 120 Vac, 5 Amp | Automated Door Operated Light Switch | Metal | WSWITCH |
|  | 120 Vac, 300 watt | Photoelectric Night Switch with Time Delay for Lamp Posts | — | WPHOTO |
|  | 120 Vac, 300 watt | Photoelectric Night Switch with Time Delay 1/2" NPT w/locknut | Gray | WPHOTO50 |
|  | — | Guard for Floodlight, Fits WLI and WLU1 Lampholders | Chrome | WGD |
| Replacement Parts | | | | |
| | Description | | Color | Catalog Number |
| | Universal 1 gang gasket | | Black | WGSK1 |
| | Universal 2 gang gasket | | Black | WGSK2 |
| | 1 gang gasket, single and duplex covers | | Black | WGSKD1 |
| | External lampholder gasket | | Black | WGSKEL |
| | 2 Mounting lugs w/ screws | | Gray | WLUGS |
| | 4-1" closure Plugs | | Gray | WPLG104 ① |
| | 4-1/2" Closure Plugs | | Gray | WPLG504 ① |
| | 4-3/4" Closure Plugs | | Gray | WPLG754 ① |
| | Heavy duty wire guard for 100 watt fixtures, #8 AWS | | — | WFG1 |
| | Heavy duty wire guard for 200 watt fixtures, #8 AWS | | — | WFG2 |
| | Glass globe for 100 W lighting fixtures | | — | WFGL1 |
| | Glass globe for 200 W lighting fixtures | | — | WFGL2 |

① Catalog number shown represents gray color. White (Suffix **W**) and Bronze (Suffix **B**) also available. Consult local sales representative for lead time.

Non-Metallic Weatherproof Boxes, Covers and Lampholders

Applications

- Marine rated boxes and covers are ideal for use in highly corrosive areas, beaches, docks, pools, or other wet location areas.
- Use in branch circuit wiring for wet, damp or dry locations.
- May be used as a junction box or a device box for switches, receptacles, GFCI's etc.
- Lampholders are for use in exterior and interior applications to provide safety and security for driveways, doorways and walkways.

Features

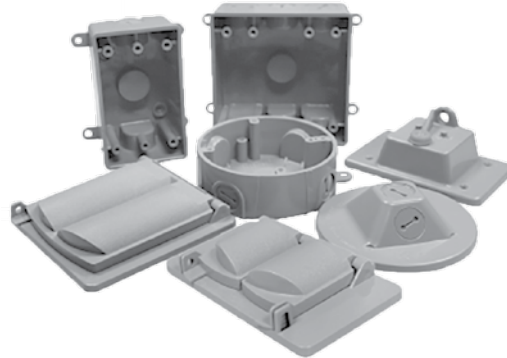
- Rugged PVC or polycarbonate construction prevents entry of dirt, dust and moisture.
- Resistant to impact, heat or low temperature distortion, and mold.
- Mounting can be achieved with formed in place mounting lugs.
- Smooth, accurately tapped hubs prevent wire abrasion.
- Clear UL marking and volumetric marking cast into each box facilitate electrical inspection.
- Continuous box and cover compression ensure complete sealing at gasket interface to prevent moisture entry.
- Lockable covers.
- Closure plugs (2) provided with each box.
- Remaining hubs are knockout (KO) design. No closure plugs required.
- Mounting hardware and gasket provided with each cover.
- Locking swivel knuckle on lampholders permits positive lamp positioning and accurate directional aiming.
- Lampholders are supplied with locknuts, porcelain sockets and internal gaskets for reliability and weather protection.
- Complete installation instructions provided with each item.

Standard Materials/Finishes

- Boxes: PVC
- Covers: PVC or polycarbonate
- Cover screws: Nickel plated steel
- Gaskets: closed cell foam
- Sockets: porcelain (lampholders)

NEC/CEC Certifications and Compliances

- UL Standard: 514C, 514D, 1598 as applicable
- cULus Listed: E109438, E477255
- CSA Standard: C22.2 No. 18.2 (2008), C22.2 No. 42.1, C22.2 No. 42.1



Most of the boxes, covers and lampholders are individually shrink wrapped, labeled and bar coded for ease of handling and identification.

Sturdy corrugated boxes with easy lift-off top with shrink wrapping facilitate merchandising.

Non-Metallic Weatherproof Outlet Boxes

Closure plugs and mounting lugs included.




NEC/CEC:

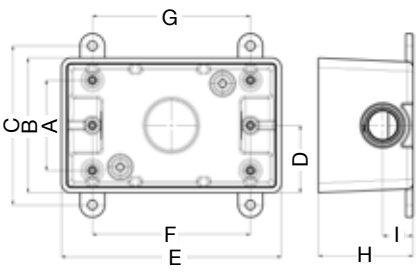
UL Standard: 514C, 514D, 1598 as applicable

UL Listed: E109438, E477255

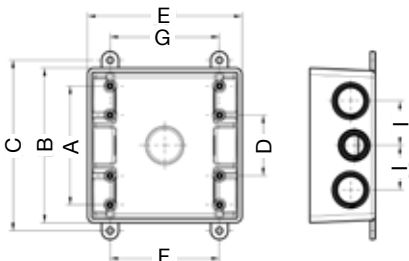
CSA Standard: C22.2 No. 18.2 (2008),

C22.2 No. 42.1, C22.2 No. 42.1

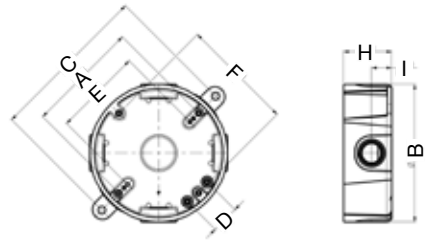
| | Depth (inches) | Wiring Cubic Inch Capacity | Hub Size (inches) | No. Of Hubs | Color | Catalog Number |
|--|----------------|----------------------------|-------------------|-------------|-------|----------------------|
|  PVC Material | 2 | 16.3 | 1/2 | 3 | Gray | WSM150GNM ① |
| | 2 | 16.3 | 1/2 | 3 | White | WSM150WNM ① |
|  PVC Material | 2 | 28.3 | 1/2 | 7 | Gray | WSP25075GNM ① |
| | 2 | 28.3 | 1/2 | 7 | White | WSP25075WNM ① |
|  PVC Material | 1.5 | 14.8 | 1/2 | 5 | Gray | WRX50GNM ① |
| | 1.5 | 14.8 | 1/2 | 5 | White | WRX50WNM ① |



WSM



WSP



WRX

| Dimensions In Millimeters (Inches) | | | | | | | | | |
|------------------------------------|--------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|--------------------|
| A | B | C | D | E | F | G | H | I | Catalog Number |
| 47.63 (1.87) | 71.00 (2.8) | 83.80 (3.3) | 35.50 (1.4) | 116.00 (4.6) | 82.55 (3.25) | 83.34 (3.3) | 50.00 (2.0) | 16.00 (0.6) | WSM150GNM |
| 47.63 (1.87) | 71.00 (2.8) | 83.80 (3.3) | 35.50 (1.4) | 116.00 (4.6) | 82.55 (3.25) | 83.34 (3.3) | 50.00 (2.0) | 16.00 (0.6) | WSM150WNM |
| 90.50 (3.6) | 117.70 (4.6) | 129.60 (5.1) | 46.00 (1.8) | 117.70 (4.6) | 82.55 (3.1) | 83.34 (3.3) | — | 33.80 (1.3) | WSP25075GNM |
| 90.50 (3.6) | 117.70 (4.6) | 129.60 (5.1) | 46.00 (1.8) | 117.70 (4.6) | 82.55 (3.1) | 83.34 (3.3) | — | 33.80 (1.3) | WSP25075WNM |
| 88.90 (3.5) | 108.60 (4.3) | 127.00 (5.0) | 22.00 (0.9) | 69.85 (2.8) | 88.90 (3.5) | — | 38.00 (1.5) | 16.00 (0.6) | WRX50GNM |
| 88.90 (3.5) | 108.60 (4.3) | 127.00 (5.0) | 22.00 (0.9) | 69.85 (2.8) | 88.90 (3.5) | — | 38.00 (1.5) | 16.00 (0.6) | WRX50WNM |

① UL Listed Marine

Non-Metallic Weatherproof Covers


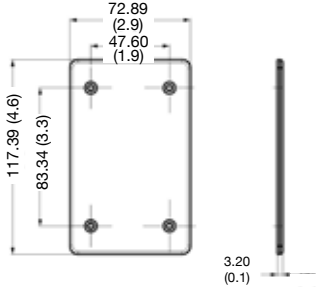

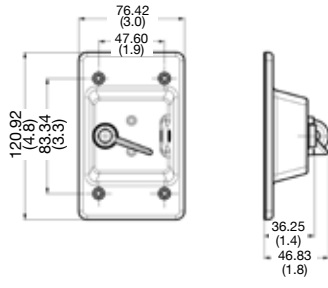

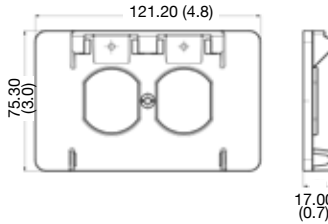

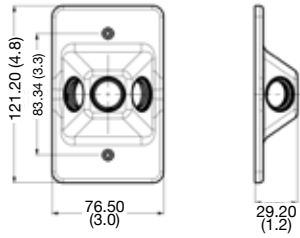
NEC/CEC:

UL Standard: 514C, 514D, 1598 as applicable

UL Listed: E109438, E477255

CSA Standard: C22.2 No. 18.2 (2008),

C22.2 No. 42.1, C22.2 No. 42.1


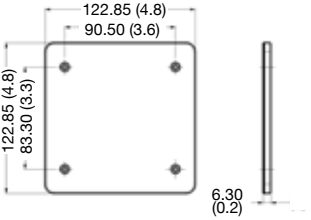

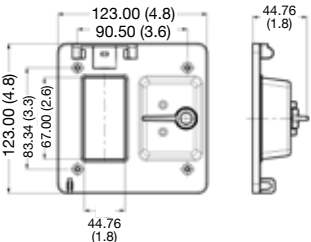

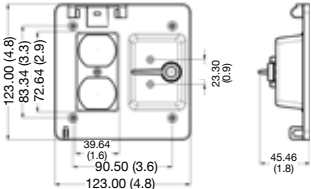

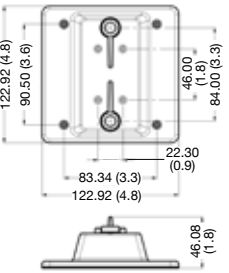
| | Description | Orientation | For use with devices | Color | Catalog Number | Dimensions In Millimeters (Inches) |
|---|-------------------------|-------------|----------------------|-------|--------------------|--|
|  PVC Material | Blank Cover | Universal | — | Gray | WCB14GNM ① |  72.89 (2.9) 47.60 (1.9) 117.39 (4.6) 83.34 (3.3) 3.20 (0.1) |
| | | | | White | WCB14WNM ① | |
|  PVC Material | Toggle Cover | Horizontal | — | Gray | WCT1GNM ② |  76.42 (3.0) 47.60 (1.9) 120.92 (4.8) 83.34 (3.3) 36.25 (1.4) 46.83 (1.8) |
| | | | | White | WCT1WNM ② | |
|  Polycarbonate Material | Lockable Cover | Horizontal | Duplex | Gray | WHD1GNM ② |  121.20 (4.8) 75.30 (3.0) 17.00 (0.7) |
| | | | | White | WHD1WNM ② | |
|  Polycarbonate Material | 1-Gang Lampholder Cover | Universal | Lampholders | Gray | WC1350GNM ② |  121.20 (4.8) 83.34 (3.3) 76.50 (3.0) 29.20 (1.2) |
| | | | | White | WC1350WNM ② | |

① UL Listed Marine

② cULus Listed

Non-Metallic Weatherproof Covers

NEC/CEC:
 UL Standard: 514C, 514D, 1598 as applicable
 UL Listed: E109438, E477255
 CSA Standard: C22.2 No. 18.2 (2008),
 C22.2 No. 42.1, C22.2 No. 42.1

| | Description | Orientation | For use with devices | Color | Catalog Number | Dimensions In Millimeters (Inches) |
|---|---------------------|-------------|----------------------------|-------|-------------------|--|
|  PVC Material | 2-Gang Blank Cover | Universal | — | Gray | WCB24GNM ① |  122.85 (4.8) 90.50 (3.6) 122.85 (4.8) 83.30 (3.3) 6.30 (0.2) |
| | | | | White | WCB24WNM ① | |
|  PVC Material | 2-Gang Device Cover | Horizontal | GFCI/Switch (Red Toggle) | Gray | WVTG2GTG ② |  123.00 (4.8) 90.50 (3.6) 123.00 (4.8) 83.34 (3.3) 67.00 (2.6) 44.76 (1.8) |
| | | | | White | WVTG2GTW ② | |
|  PVC Material | 2-Gang Device Cover | Horizontal | Duplex/Switch (Red Toggle) | Gray | WVTGGDT ② |  123.00 (4.8) 83.34 (3.3) 72.64 (2.9) 23.30 (0.9) 39.64 (1.6) 90.50 (3.6) 123.00 (4.8) 45.46 (1.8) |
| | | | | White | WVTGWDT ② | |
|  PVC Material | 2-Gang Device Cover | Horizontal | Switches (Not Included) | Gray | WVTT2GNM ② |  122.92 (4.8) 90.50 (3.6) 46.00 (1.8) 84.00 (3.3) 22.30 (0.9) 83.34 (3.3) 122.92 (4.8) 46.08 (1.8) |
| | | | | White | WVTT2WNM ② | |

① UL Listed Marine
 ② cULus Listed

Non-Metallic Weatherproof Covers


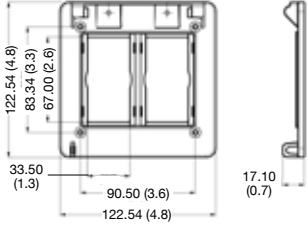

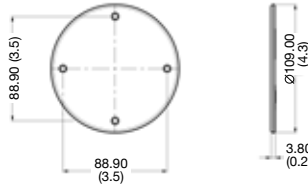

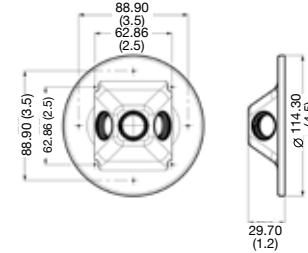

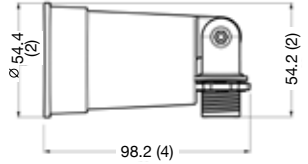
NEC/CEC:

UL Standard: 514C, 514D, 1598 as applicable

UL Listed: E109438, E477255

CSA Standard: C22.2 No. 18.2 (2008),

C22.2 No. 42.1, C22.2 No. 42.1

| | Description | Orientation | For use with devices | Color | Catalog Number | Dimensions In Millimeters (Inches) |
|---|------------------------|-------------|--------------------------|-------|--------------------|---|
|  Polycarbonate Material | 2-Gang Device Cover | Horizontal | (2) GFCI or (2) Duplex ③ | Gray | WVTGUGNM ① |  |
| | | | | White | WVTGUWNM ① | |
|  PVC Material | Round Blank Cover | Universal | — | Gray | WCBRGNM ② |  |
| | | | | White | WCBRWNM ② | |
|  Polycarbonate Material | Round Lampholder Cover | Universal | Lampholders | Gray | WCR350GNM ① |  |
| | | | | White | WCR350WNM ① | |
|  Polycarbonate Material | Lampholder | Universal | Lamps | Gray | WLIGNM ① |  |
| | | | | White | WLIWNM ① | |

① cULus Listed

② UL Listed Marine

③ Duplex inserts included with cover.

One-Gang Die Cast Weatherproof In-Use Covers with Inserts

Applications

- For use in damp or wet locations.

Features

- Extra-Duty rated per the requirements of the NEC.
- Provides weather protection with cover closed and cords plugged in.
- Multi-height lever adjusts to create a cover depth of 2-3/4" or 3-1/2".
- Impact rated.
- Adhesive sealing gasket factory installed to ease installation.
- Reinforced hinge withstands 40 lbs. stress test.
- Device inserts snap into place without the use of tools.
- Extra-large cord opening for heavy gauge cords.
- Sleek industrial design.
- Lockable.

Standard Materials/Finish

- Body/cover: die cast aluminum
- Stamped steel zinc plated

Certifications and Compliances

- UL Standard: 514D
- cULus Listed: E2527

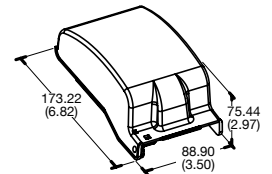
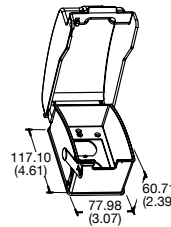
| Description | Orientation | Catalog Number | Dimensions In Millimeters (Inches) |
|-------------|-------------|----------------|------------------------------------|
|-------------|-------------|----------------|------------------------------------|



1-Gang In Use Cover

Vertical

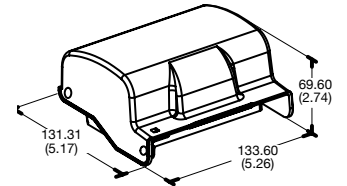
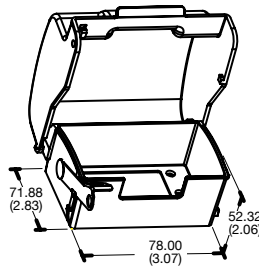
WCIU1DV



1-Gang In Use Cover

Horizontal

WCIU1DH



| Round | | | | | | |
|--------|------|--------|--------|----------|--------|--------|
| Duplex | GFCI | Switch | 2-1/8" | 1-11/16" | 1-5/8" | 1-3/8" |



Duplex Adapter



GFCI Adapter



2-1/8" Adapter
1-5/8" Ring
Switch Adapter



2-1/8" Adapter



1-11/16" Ring



1-5/8" Ring



1-5/8" Ring

Two-Gang Die Cast Weatherproof In-Use Cover with Inserts

Applications

- For use in damp or wet locations.

Features

- Extra-Duty rated per the requirements of the NEC.
- Provides weather protection with cover closed and cords plugged in.
- Multi-height lever adjusts to create a cover depth of 2-3/4" or 3-1/2".
- Impact rated.
- Adhesive sealing gasket factory installed to ease installation.
- Reinforced hinge withstands 40 lbs. stress test.
- Device inserts snap into place without the use of tools.
- Extra-large cord opening for heavy gauge cords.
- Sleek industrial design.
- Lockable.


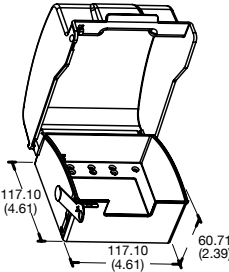
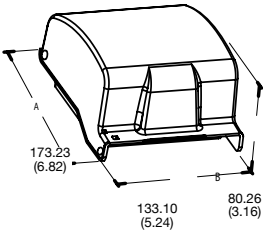









Standard Materials/Finish

- Body/cover: die cast aluminum
- Stamped steel zinc plated

Certifications and Compliances

- UL Standard: 514D
- cULus Listed: E2527

| Description | Orientation | Catalog Number | Dimensions In Millimeters (Inches) |
|--|-------------|----------------|---|
|  2-Gang In Use Cover | Horizontal | WCIU2SD |   |

| Round | | | | | | |
|---|---|--|---|--|--|--|
| Duplex | GFCI | Switch | 2-1/8" | 1-11/16" | 1-5/8" | 1-3/8" |
|  Duplex Adapter |  GFCI Adapter |  2-1/8" Adapter 1-5/8" Ring Switch Adapter |  2-1/8" Adapter |  1-11/16" Ring |  1-5/8" Ring |  1-5/8" Ring |

Liquidtight Fittings

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- To secure, ground and seal Liquidtight Flexible Metal Conduit, Type LFMC, to boxes and enclosures..

Features

- Tapered threaded male hub NPT
- Compact, slim diameter with small turning radius
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/2" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/4" and larger, an internal or external equipment bonding conductor is required. See 4Q-L Series with external ground lug.
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Suitable for wet locations
- Long ferrule prevents pullout and tight bend conduit "pop-out"
- Reusable ferrule
- Inspection windows in ferrule to ensure full engagement
- See our patented Ferrule Wrench which makes ferrule installation easy.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

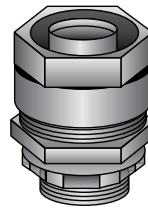
- Zinc electroplated

Options

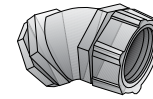
- Available hot dip/mechanically galvanized.

NEC/CEC Certifications and Compliances

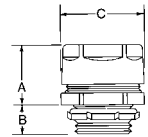
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
Fed Spec: W-F-406E
- NEMA Standard: FB-1



Type 4Q-38 — Type
4Q-200



Type 4Q-250 — Type
4Q-600



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|--------------|---------------|-------------------|--|
| | A | B | C | | |
| 3/8 (1/2 KO) | 25.4 (1) | 12.7 (0.5) | 28.7 (1.13) | 4Q-38 | 4Q-38T |
| 1/2 | 25.4 (1) | 12.7 (0.5) | 31.75 (1.25) | 4Q-50 | 4Q-50T |
| 3/4 | 28.7 (1.13) | 12.7 (0.5) | 38.1 (1.5) | 4Q-75 | 4Q-75T |
| 1 | 31.75 (1.25) | 16 (0.63) | 44.45 (1.75) | 4Q-100 | 4Q-100T |
| 1-1/4 | 35.05 (1.38) | 16 (0.63) | 63.5 (2.5) | 4Q-125 | 4Q-125T |
| 1-1/2 | 35.05 (1.38) | 16 (0.63) | 69.85 (2.75) | 4Q-150 | 4Q-150T |
| 2 | 38.1 (1.5) | 16 (0.63) | 82.55 (3.25) | 4Q-200 | 4Q-200T |
| 2-1/2 | 50.8 (2) | 25.4 (1) | 104.9 (4.13) | 4Q-250 | 4Q-250T |
| 3 | 50.8 (2) | 28.7 (1.13) | 123.95 (4.88) | 4Q-300 | 4Q-300T |
| 3-1/2 | 57.15 (2.25) | 31.75 (1.25) | 123.95 (4.88) | 4Q-350 | 4Q-350T |
| 4 | 57.15 (2.25) | 31.75 (1.25) | 155.7 (6.13) | 4Q-400 | 4Q-400T |
| 5 | 60.45 (2.38) | 28.7 (1.13) | 187.45 (7.38) | 4Q-500 ① | 4Q-500T ① |
| 6 | 63.5 (2.5) | 35.05 (1.38) | 219.2 (8.63) | 4Q-600 ①② | 4Q-600T ①② |

① UL Listing not applicable

② CSA Certification not applicable

Liquidtight Fittings

Suitable for use in the following NEC/CEC Governed Locations:

- Class I, Division 2 per NEC 501.10(B)(4)
- Class I, Zone 2 per NEC 505.15(C)(2)
- Class II, Division 2 per NEC 502.4(A)(1)(e)
- Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:

- Class III, Division 1 per NEC 503.3(A)(2)
- Class III, Division 2 per NEC 503.3(B)
- Intrinsically Safe per NEC 504.20

Applications

- To secure, ground and seal Liquidtight Flexible Metal conduit, Type LFMC, to boxes and enclosures.

Features

- Tapered threaded male hub NPT.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required. See 4Q-L Series with external ground lug.
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Reusable ferrule.
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

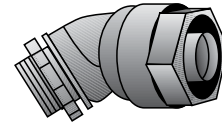
- Zinc electroplated

Options

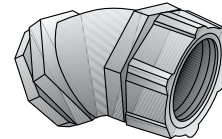
- Available hot dip/mechanically galvanized.

NEC/CEC Certifications and Compliances

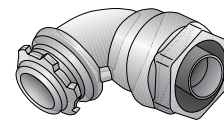
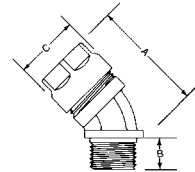
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



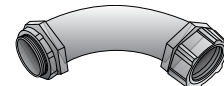
Type 4Q-438 — Type 4Q-4200



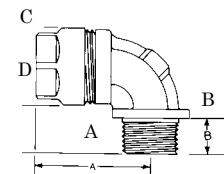
Type 4Q-4250 — Type 4Q-4500



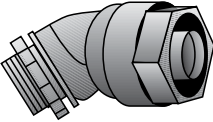
Type 4Q-938 — Type 4Q-9200

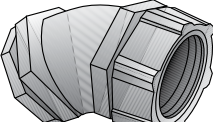


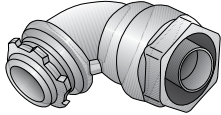
Type 4Q-9250 — Type 4Q-9500

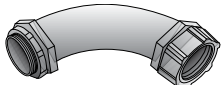


Liquidtight Fittings

| | | Dimensions in Millimeters (Inches) | | | | Insulated Throat Catalog Number | |
|---|---------------|------------------------------------|--------------|--------------|---------|---------------------------------|---------------------------------|
| | | Trade Size (Inches) | A | B | C Dia. | Catalog Number | Insulated Throat Catalog Number |
|  <p>Type 4Q-438 — Type 4Q-4200</p> | 3/8 (1/2 KO) | 39.62 (1.56) | 14.22 (0.56) | 28.7 (1.13) | 4Q-438 | 4Q-438T | |
| | 1/2 | 39.62 (1.56) | 14.22 (0.56) | 31.75 (1.25) | 4Q-450 | 4Q-450T | |
| | 3/4 | 45.97 (1.81) | 12.7 (0.5) | 38.1 (1.5) | 4Q-475 | 4Q-475T | |
| | 1 | 50.8 (2) | 12.7 (0.5) | 44.45 (1.75) | 4Q-4100 | 4Q-4100T | |
| | 1-1/4 | 69.85 (2.75) | 16 (0.63) | 57.15 (2.25) | 4Q-4125 | 4Q-4125T | |
| | 1-1/2 | 73.15 (2.88) | 16 (0.63) | 66.8 (2.63) | 4Q-4150 | 4Q-4150T | |

| | | | | | | |
|--|-------|----------------|--------------|---------------|----------------------|-----------------------|
|  <p>Type 4Q-4250 — Type 4Q-4500</p> | 2 | 88.9 (3.5) | 19.05 (0.75) | 76.2 (3) | 4Q-4200 | 4Q-4200T |
| | 2-1/2 | 190.5 (7.5) | 25.4 (1) | 104.9 (4.13) | 4Q-4250 | 4Q-4250T |
| | 3 | 225.55 (8.88) | 28.7 (1.13) | 123.95 (4.88) | 4Q-4300 | 4Q-4300T |
| | 4 | 289.05 (11.38) | 28.7 (1.13) | 155.7 (6.13) | 4Q-4400 | 4Q-4400T |
| | 5 | 355.6 (14) | 31.75 (1.25) | 187.45 (7.38) | 4Q-4500 ^① | 4Q-4500T ^① |

| | | Dimensions in Millimeters (Inches) | | | | Insulated Throat Catalog Number | | |
|---|---------------|------------------------------------|--------------|--------------|--------------|---------------------------------|----------------|---------------------------------|
| | | Trade Size (Inches) | A | B | C | D | Catalog Number | Insulated Throat Catalog Number |
|  <p>Type 4Q-938 — Type 4Q-9200</p> | 3/8 (1/2 KO) | 39.62 (1.56) | 14.22 (0.56) | 28.7 (1.13) | 35.05 (1.38) | 4Q-938 | 4Q-938T | |
| | 1/2 | 39.62 (1.56) | 14.22 (0.56) | 31.75 (1.25) | 35.05 (1.38) | 4Q-950 | 4Q-950T | |
| | 3/4 | 45.97 (1.81) | 12.7 (0.5) | 38.1 (1.5) | 38.1 (1.5) | 4Q-975 | 4Q-975T | |
| | 1 | 50.8 (2) | 12.7 (0.5) | 44.45 (1.75) | 41.4 (1.63) | 4Q-9100 | 4Q-9100T | |
| | 1-1/4 | 69.85 (2.75) | 16 (0.63) | 57.15 (2.25) | 54.1 (2.13) | 4Q-9125 | 4Q-9125T | |
| | 1-1/2 | 73.15 (2.88) | 16 (0.63) | 66.8 (2.63) | 57.15 (2.25) | 4Q-9150 | 4Q-9150T | |
| | 2 | 88.9 (3.5) | 19.05 (0.75) | 76.2 (3) | 73.15 (2.88) | 4Q-9200 | 4Q-9200T | |

| | | | | | | | |
|--|-------|----------------|--------------|---------------|--------------|----------------------|-----------------------|
|  <p>Type 4Q-9250 — Type 4Q-9500</p> | 2-1/2 | 190.5 (7.5) | 25.4 (1) | 104.9 (4.13) | 181.1 (7.13) | 4Q-9250 | 4Q-9250T |
| | 3 | 225.55 (8.88) | 28.7 (1.13) | 123.95 (4.88) | 215.9 (8.5) | 4Q-9300 | 4Q-9300T |
| | 4 | 289.05 (11.38) | 28.7 (1.13) | 155.7 (6.13) | 279.4 (11) | 4Q-9400 | 4Q-9400T |
| | 5 | 355.6 (14) | 31.75 (1.25) | 187.45 (7.38) | 355.6 (14) | 4Q-9500 ^① | 4Q-9500T ^① |

^① UL Listing not applicable.

Liquidtight Fittings

For Threaded RMC and IMC

Suitable for use in the following NEC/CEC

Governed Locations:

- Class I, Division 2 per NEC 501.10(B)(4)
- Class I, Zone 2 per NEC 505.15(C)(2)
- Class II, Division 2 per NEC 502.4(A)(1)(e)
- Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC

Governed Locations:

- Class III, Division 1 per NEC 503.3(A)(2)
- Class III, Division 2 per NEC 503.3(B)
- Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit to threaded rigid conduit and IMC.

Features

- Female hub, NPT for connection to threaded conduit
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required. See 4Q-L Series with external ground lug.
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Suitable for wet locations
- Long ferrule prevents pullout and tight bend conduit "pop-out"
- Reusable ferrule
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron
- Steel ferrule

Standard Finishes

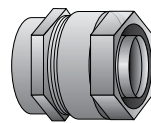
- Zinc plated

Options

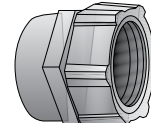
- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

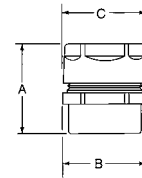
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



Type 4Q-38FM —
Type 4Q-200FM



Type 4Q-250FM —
Type 4Q-500FM



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|---------------|---------------|-------------------|
| | A | B | C | |
| 3/8 (1/2 KO) | 30.23 (1.19) | 28.7 (1.13) | 42.93 (1.69) | 4Q-38FM |
| 1/2 | 39.62 (1.56) | 33.27 (1.31) | 31.75 (1.25) | 4Q-50FM |
| 3/4 | 41.4 (1.63) | 39.62 (1.56) | 38.1 (1.5) | 4Q-75FM |
| 1 | 45.97 (1.81) | 45.97 (1.81) | 44.45 (1.75) | 4Q-100FM |
| 1-1/4 | 50.8 (2) | 60.45 (2.38) | 63.5 (2.5) | 4Q-125FM |
| 1-1/2 | 54.1 (2.13) | 66.8 (2.63) | 69.85 (2.75) | 4Q-150FM |
| 2 | 57.15 (2.25) | 82.55 (3.25) | 82.55 (3.25) | 4Q-200FM |
| 2-1/2 | 82.55 (3.25) | 98.55 (3.88) | 104.9 (4.13) | 4Q-250FM |
| 3 | 85.85 (3.38) | 117.6 (4.63) | 123.95 (4.88) | 4Q-300FM |
| 3-1/2 | 98.55 (3.88) | 136.65 (5.38) | 123.95 (4.88) | 4Q-350FM |
| 4 | 95.25 (3.75) | 146.05 (5.75) | 155.7 (6.13) | 4Q-400FM |
| 5 | 98.55 (3.88) | 162.05 (6.38) | 187.45 (7.38) | 4Q-500FM ① |

①UL Listing not applicable

Liquidtight Connectors and Sealing Ring Assemblies

With Wire Mesh Grips and Insulated Throats

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- To secure, ground and seal liquidtight flexible metal conduit to enclosures and prevent conduit pull-out when subject to motion or strain.

Features

- Tapered threaded male hub NPT
- Furnished with locknut and KO sealing ring.
- Provided with insulated throat
- Wire mesh prevents pull-out and tight end conduit "pop-out"
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required. See 4Q-L Series with external ground lug.
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101.
- Suitable for wet locations
- Inspection windows in ferrule to ensure full conduit engagement
- Stainless steel single weave design.

Standard Materials

- Malleable iron body and nut
- Steel ferrule
- Stainless steel

Standard Finishes

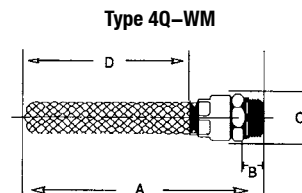
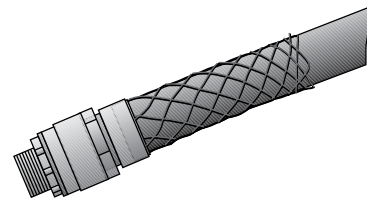
- Zinc electroplated
- Wire mesh

Options

- Consult your local representative for 45°, 90°, FM and L (Ground-Tite style) applications.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------|------------------------------------|--------------|---------------|---------------|-------------------|
| | A | B | C | D | |
| 3/8 | 120.65 (4.75) | 12.7 (0.5) | 33.27 (1.31) | 50.8 (2) | 4Q-38WM |
| 1/2 | 141.22 (5.56) | 14.22 (0.56) | 33.27 (1.31) | 63.5 (2.5) | 4Q-50WM |
| 3/4 | 160.27 (6.31) | 14.22 (0.56) | 38.1 (1.5) | 76.2 (3) | 4Q-75WM |
| 1 | 190.5 (7.5) | 16 (0.63) | 47.75 (1.88) | 82.55 (3.25) | 4Q-100WM |
| 1-1/4 | 211.07 (8.31) | 17.53 (0.69) | 63.5 (2.5) | 139.7 (5.5) | 4Q-125WM |
| 1-1/2 | 249.17 (9.81) | 17.53 (0.69) | 63.5 (2.5) | 177.8 (7) | 4Q-150WM |
| 2 | 271.53 (10.69) | 19.05 (0.75) | 81.03 (3.19) | 177.8 (7) | 4Q-200WM |
| 2-1/2 | 292.1 (11.5) | 25.4 (1) | 104.9 (4.13) | 209.55 (8.25) | 4Q-250WM |
| 3 | 358.9 (14.13) | 28.7 (1.13) | 123.95 (4.88) | 266.7 (10.5) | 4Q-300WM |
| 4 | 403.35 (15.88) | 31.75 (1.25) | 155.7 (6.13) | 304.8 (12) | 4Q-400WM |

Liquidtight Connectors and Sealing Ring Assemblies

With Wire Mesh Grips and Insulated Throats

Applications

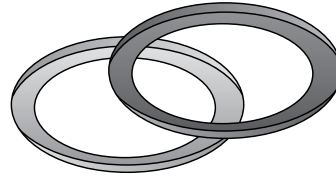
- Provides a positive seal between shoulder of fitting and enclosure

Standard Materials

- Steel Retaining Ring
- Neoprene Gasket

Standard Finishes

- Zinc Electroplated



Type 4Q-G

| Trade Size (Inches) | Catalog Number |
|------------------------|-------------------|
| 3/8 (1/2 KO) | 4QG-50 ① |
| 1/2 | 4QG-50 |
| 3/4 | 4QG-75 |
| 1 | 4QG-100 |
| 1-1/4 | 4QG-125 |
| 1-1/2 | 4QG-150 |
| 2 | 4QG-200 |
| 2-1/2 | 4QG-250 |
| 3 | 4QG-300 |
| 3-1/2 | 4QG-350 |
| 4 | 4QG-400 |
| 5 | 4QG-500 |

① May be used with 3/8" trade size fittings with 1/2" Hub Size (Inches).

Ground-Tite® Grounding Liquidtight Connectors

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit and terminates bonding conductor run externally alongside liquidtight conduit.

Features

- Positive grounding type.
- Tapered threaded male hub NPT.
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Long ferrule prevents pull-out and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

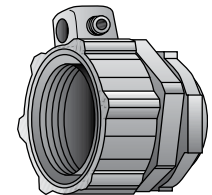
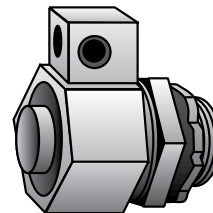
- Zinc electroplated

Options

- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

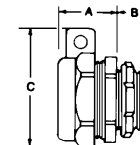
NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 9795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



Type 4Q-38L — Type 4Q-200L Type 4Q-250L — Type 4Q-600L

Straight Connectors



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Turning Radius Gland Nut | Ground Wire Size | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|--------------|---------------|--------------------------------|------------------|-----|-------------------|--|
| | A | B | C | | Min | Max | | |
| 3/8 (1/2 KO) | 22.35 (0.88) | 12.7 (0.5) | 42.93 (1.69) | 26.92 (1.06) | 14 | 4 | 4Q-38L | 4Q-38LT |
| 1/2 | 22.35 (0.88) | 12.7 (0.5) | 47.75 (1.88) | 30.23 (1.19) | 14 | 4 | 4Q-50L | 4Q-50LT |
| 3/4 | 25.4 (1) | 12.7 (0.5) | 54.1 (2.13) | 33.27 (1.31) | 14 | 4 | 4Q-75L | 4Q-75LT |
| 1 | 28.7 (1.13) | 16 (0.63) | 60.45 (2.38) | 36.58 (1.44) | 14 | 4 | 4Q-100L | 4Q-100LT |
| 1-1/4 | 33.27 (1.31) | 16 (0.63) | 73.15 (2.88) | 44.45 (1.75) | 6 | 1/0 | 4Q-125L | 4Q-125LT |
| 1-1/2 | 35.05 (1.38) | 16 (0.63) | 82.55 (3.25) | 47.75 (1.88) | 6 | 1/0 | 4Q-150L | 4Q-150LT |
| 2 | 38.1 (1.5) | 16 (0.63) | 95.25 (3.75) | 55.63 (2.19) | 6 | 1/0 | 4Q-200L | 4Q-200LT |
| 2-1/2 | 49.28 (1.94) | 25.4 (1) | 117.6 (4.63) | 69.85 (2.75) | 1 | 4/0 | 4Q-250L | 4Q-250LT |
| 3 | 49.28 (1.94) | 28.7 (1.13) | 134.87 (5.31) | 77.72 (3.06) | 1 | 4/0 | 4Q-300L | 4Q-300LT |
| 3-1/2 | 66.8 (2.63) | 28.7 (1.13) | 147.57 (5.81) | 85.85 (3.38) | 1 | 4/0 | 4Q-350L | 4Q-350LT |
| 4 | 57.15 (2.25) | 31.75 (1.25) | 165.1 (6.5) | 92.2 (3.63) | 1 | 4/0 | 4Q-400L | 4Q-400LT |
| 5 | 55.63 (2.19) | 28.7 (1.13) | 190.5 (7.5) | 106.43 (4.19) | 1 | 4/0 | 4Q-500L ① | 4Q-500LT ① |
| 6 | 63.5 (2.5) | 35.05 (1.38) | 215.9 (8.5) | 120.65 (4.75) | 1 | 4/0 | 4Q-600L ①② | 4Q-600LT ①② |

① UL Listing not applicable

② CSA Certification not applicable

Ground-Tite® Grounding Liquidtight Connectors

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit and terminates bonding conductor run externally alongside liquidtight conduit.

Features

- Positive grounding type.
- Tapered threaded male hub NPT.
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight.
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Long ferrule prevents pull-out and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

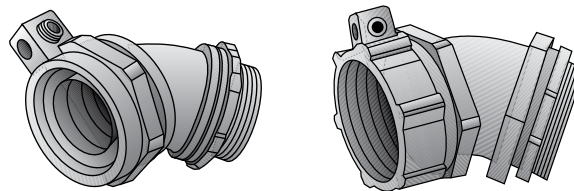
- Zinc electroplated

Options

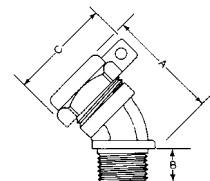
- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Listed: E-24264
- CSA Certified: 9795



Type 4Q-438L — Type 4Q-4200L Type 4Q-4250L — Type 4Q-4500L
 45°



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Wire Size | | Catalog Number | Insulated Throat Catalog Number |
|---------------------|------------------------------------|--------------|---------------|--------------------------|-----------|------|----------------|---------------------------------|
| | A | B | C | Turning Radius Gland Nut | Min. | Max. | | |
| 3/8 (1/2 KO) | 44.45 (1.75) | 12.7 (0.5) | 42.93 (1.69) | 26.92 (1.06) | 14 | 4 | 4Q-438L | 4Q-438LT |
| 1/2 | 44.45 (1.75) | 14.22 (0.56) | 47.75 (1.88) | 30.23 (1.19) | 14 | 4 | 4Q-450L | 4Q-450LT |
| 3/4 | 52.32 (2.06) | 14.22 (0.56) | 54.1 (2.13) | 33.27 (1.31) | 14 | 4 | 4Q-475L | 4Q-475LT |
| 1 | 84.07 (3.31) | 12.7 (0.5) | 60.45 (2.38) | 36.58 (1.44) | 14 | 4 | 4Q-4100L | 4Q-4100LT |
| 1-1/4 | 76.2 (3) | 16 (0.63) | 73.15 (2.88) | 44.45 (1.75) | 6 | 1/0 | 4Q-4125L | 4Q-4125LT |
| 1-1/2 | 79.5 (3.13) | 16 (0.63) | 82.55 (3.25) | 47.75 (1.88) | 6 | 1/0 | 4Q-4150L | 4Q-4150LT |
| 2 | 95.25 (3.75) | 14.22 (0.56) | 95.25 (3.75) | 55.63 (2.19) | 6 | 1/0 | 4Q-4200L | 4Q-4200LT |
| 2-1/2 | 146.05 (5.75) | 25.4 (1) | 117.6 (4.63) | 69.85 (2.75) | 1 | 4/0 | 4Q-4250L | 4Q-4250LT |
| 3 | 165.1 (6.5) | 28.7 (1.13) | 134.87 (5.31) | 77.72 (3.06) | 1 | 4/0 | 4Q-4300L | 4Q-4300LT |
| 4 | 190.5 (7.5) | 30.23 (1.19) | 165.1 (6.5) | 92.2 (3.63) | 1 | 4/0 | 4Q-4400L | 4Q-4400LT |
| 5 | 203.2 (8) | 31.75 (1.25) | 190.5 (7.5) | 106.43 (4.19) | 1 | 4/0 | 4Q-4500L ① | 4Q-4500LT ① |

① UL Listing not applicable

Ground-Tite® Grounding Liquidtight Connectors

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit and terminates bonding conductor run externally alongside liquidtight conduit.

Features

- Positive grounding type.
- Tapered threaded male hub NPT.
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight.
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Long ferrule prevents pull-out and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

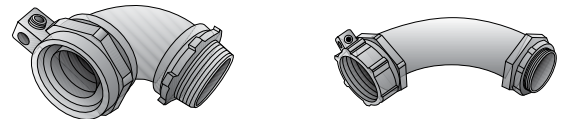
- Zinc electroplated

Options

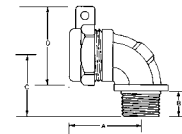
- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

NEC/CEC Certifications and Compliances

- UL Listed: E-24264
- CSA Certified: 9795



Type 4Q-938L — Type 4Q-9200L Type 4Q-9250L — Type 4Q-9500L
90°



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Turning Radius Gland Nut | Wire Size | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|--------------|--------------|---------------|--------------------------------|-----------|------|-------------------|--|
| | A | B | C | D | | Min. | Max. | | |
| 3/8 (1/2 KO) | 36.58 (1.44) | 12.7 (0.5) | 31.75 (1.25) | 27.43 (1.08) | 42.93 (1.69) | 14 | 4 | 4Q-938L | 4Q-938LT |
| 1/2 | 36.58 (1.44) | 12.7 (0.5) | 33.27 (1.31) | 47.75 (1.88) | 30.23 (1.19) | 14 | 4 | 4Q-950L | 4Q-950LT |
| 3/4 | 42.93 (1.69) | 12.7 (0.5) | 38.1 (1.5) | 54.1 (2.13) | 33.27 (1.31) | 14 | 4 | 4Q-975L | 4Q-975LT |
| 1 | 47.75 (1.88) | 12.7 (0.5) | 41.4 (1.63) | 60.45 (2.38) | 36.58 (1.44) | 14 | 4 | 4Q-9100L | 4Q-9100LT |
| 1-1/4 | 61.98 (2.44) | 14.22 (0.56) | 52.32 (2.06) | 73.15 (2.88) | 44.45 (1.75) | 6 | 1/0 | 4Q-9125L | 4Q-9125LT |
| 1-1/2 | 66.8 (2.63) | 14.22 (0.56) | 55.63 (2.19) | 82.55 (3.25) | 47.75 (1.88) | 6 | 1/0 | 4Q-9150L | 4Q-9150LT |
| 2 | 82.55 (3.25) | 19.05 (0.75) | 73.15 (2.88) | 95.25 (3.75) | 55.63 (2.19) | 6 | 1/0 | 4Q-9200L | 4Q-9200LT |
| 2-1/2 | 188.98 (7.44) | 25.4 (1) | 181.1 (7.13) | 117.6 (4.63) | 69.85 (2.75) | 1 | 4/0 | 4Q-9250L | 4Q-9250LT |
| 3 | 223.77 (8.81) | 28.7 (1.13) | 215.9 (8.5) | 134.87 (5.31) | 77.72 (3.06) | 1 | 4/0 | 4Q-9300L | 4Q-9300LT |
| 4 | 289.05 (11.38) | 28.7 (1.13) | 279.4 (11) | 165.1 (6.5) | 92.2 (3.63) | 1 | 4/0 | 4Q-9400L | 4Q-9400LT |
| 5 | 406.4 (16) | 31.75 (1.25) | 355.6 (14) | 190.5 (7.5) | 106.43 (4.19) | 1 | 4/0 | 4Q-9500L ① | 4Q-9500LT ① |

① UL Listing not applicable

Ground-Tite® Grounding Liquidtight Connectors

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit and terminates bonding conductor run externally alongside liquidtight conduit to threaded rigid conduit and IMC.

Features

- Positive grounding type.
- Liquidtight flexible metal conduit to threaded rigid conduit and IMC.
- Female hub NPT.
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight.
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Long ferrule prevents pull-out and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

- Zinc electroplated

Options

- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

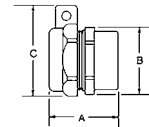
NEC/CEC Certifications and Compliances

- UL Listed: E-24264
- CSA Certified: 9795



Type 4Q-38FML — Type 4Q-200FML Type 4Q-250FML — Type 4Q-500FML

Combination Couplings



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Turning Radius Gland Nut | Wire Size | | Catalog Number |
|------------------------|------------------------------------|---------------|---------------|--------------------------------|-----------|------|-------------------|
| | A | B | C | | Min. | Max. | |
| 3/8 (1/2 KO) | 39.62 (1.56) | 30.23 (1.19) | 42.93 (1.69) | 28.7 (1.13) | 14 | 4 | 4Q-38FML |
| 1/2 | 35.05 (1.38) | 33.27 (1.31) | 47.75 (1.88) | 30.23 (1.19) | 14 | 4 | 4Q-50FML |
| 3/4 | 36.58 (1.44) | 39.62 (1.56) | 54.1 (2.13) | 33.27 (1.31) | 14 | 4 | 4Q-75FML |
| 1 | 41.4 (1.63) | 45.97 (1.81) | 60.45 (2.38) | 36.58 (1.44) | 14 | 4 | 4Q-100FML |
| 1-1/4 | 50.8 (2) | 58.67 (2.31) | 73.15 (2.88) | 44.45 (1.75) | 6 | 1/0 | 4Q-125FML |
| 1-1/2 | 52.32 (2.06) | 65.02 (2.56) | 82.55 (3.25) | 47.75 (1.88) | 6 | 1/0 | 4Q-150FML |
| 2 | 55.63 (2.19) | 81.03 (3.19) | 95.25 (3.75) | 55.63 (2.19) | 6 | 1/0 | 4Q-200FML |
| 2-1/2 | 81.03 (3.19) | 98.55 (3.88) | 117.6 (4.63) | 69.85 (2.75) | 1 | 4/0 | 4Q-250FML |
| 3 | 85.85 (3.38) | 117.6 (4.63) | 134.87 (5.31) | 77.72 (3.06) | 1 | 4/0 | 4Q-300FML |
| 3-1/2 | 98.55 (3.88) | 134.87 (5.31) | 149.35 (5.88) | 85.85 (3.38) | 1 | 4/0 | 4Q-350FML |
| 4 | 93.73 (3.69) | 146.05 (5.75) | 165.1 (6.5) | 92.2 (3.63) | 1 | 4/0 | 4Q-400FML |
| 5 | 98.55 (3.88) | 162.05 (6.38) | 190.5 (7.5) | 106.43 (4.19) | 1 | 4/0 | 4Q-500FML ① |

① UL Listing not applicable

Liquidtight Connectors

Hot-Dip/Mechanically Galvanized with Insulated Throat

Type 4Q — TG

Standard zinc electroplated fittings offer more than adequate protection in areas relatively free of highly corrosive fumes and liquids. However, in an atmosphere where severe contaminants are present, a heavy coating of zinc galvanize offers one of the best protections against corrosion. In the processes of hot-dipping or mechanically galvanizing, a large amount of zinc is deposited on the surface of the base metal to a minimum of .002" or about 10 times the usual electroplating thickness.

In the Series 4Q-TG, mechanically galvanized finish is provided on small sizes through 2" on angle connectors and through 4" on straights. Hot-dip galvanized finish is provided on sizes 2 1/2" and larger on angle connectors and 5" and larger on straights. Mechanical galvanizing provides coating thickness and corrosion protection comparable to the hot-dip process but offers the additional advantage of providing heavy plating on threaded surfaces as well. Mechanical galvanizing meets the performance criteria of ASTM A-153 Class D and B-695 Class 50.

The Process of Mechanical Galvanizing on Smaller Parts

Provides:

- Excellent coating uniformity on all surface areas, particularly on threads.
- Complete coating assurance with proper mating of threaded parts.
- A heavier coating than is possible with conventional methods of electroplating.
- Quality and thickness comparable to the hot-dip galvanizing method.
- Favorable comparison with the hot-dip process of parts tested in salt spray and industrial atmospheres.

Liquidtight Fittings

Hot-Dip/Mechanically Galvanized with Insulated Throat

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)
 Intrinsically Safe per NEC 504.20

Applications

- Secures, grounds and seals liquidtight flexible metal conduit and terminates bonding conductor run externally alongside liquidtight conduit to threaded rigid conduit and IMC.

Features

- Positive grounding type.
- Liquidtight flexible metal conduit to threaded rigid conduit and IMC.
- Female hub NPT.
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight.
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Long ferrule prevents pull-out and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.

Standard Materials

- Malleable iron body and nut
- Steel ferrule

Standard Finishes

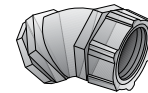
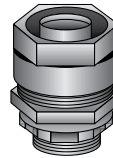
- Zinc electroplated

Options

- Hot dip or mechanical galvanize, add suffix "G" to catalog number. Contact your local representative for pricing and availability.

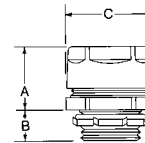
NEC/CEC Certifications and Compliances

- UL Listed: E-24264
- CSA Certified: 9795



Type 4Q-38TG — Type 4Q-200TG Type 4Q-250TG — Type 4Q-600TG

Straight



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Insulated Throat Catalog Number |
|------------------------|------------------------------------|--------------|---------------|---------------------------------------|
| | A | B | C | |
| 3/8 (1/2 KO) | 25.4 (1) | 12.7 (0.5) | 28.7 (1.13) | 4Q-38TG |
| 1/2 | 25.4 (1) | 12.7 (0.5) | 31.75 (1.25) | 4Q-50TG |
| 3/4 | 28.7 (1.13) | 12.7 (0.5) | 38.1 (1.5) | 4Q-75TG |
| 1 | 31.75 (1.25) | 16 (0.63) | 44.45 (1.75) | 4Q-100TG |
| 1-1/4 | 35.05 (1.38) | 16 (0.63) | 63.5 (2.5) | 4Q-125TG |
| 1-1/2 | 35.05 (1.38) | 16 (0.63) | 69.85 (2.75) | 4Q-150TG |
| 2 | 38.1 (1.5) | 16 (0.63) | 82.55 (3.25) | 4Q-200TG |
| 2-1/2 | 50.8 (2) | 25.4 (1) | 104.9 (4.13) | 4Q-250TG |
| 3 | 50.8 (2) | 28.7 (1.13) | 123.95 (4.88) | 4Q-300TG |
| 3-1/2 | 57.15 (2.25) | 31.75 (1.25) | 123.95 (4.88) | 4Q-350TG |
| 4 | 57.15 (2.25) | 31.75 (1.25) | 155.7 (6.13) | 4Q-400TG |
| 5 | 60.45 (2.38) | 28.7 (1.13) | 187.45 (7.38) | 4Q-500TG ① |
| 6 | 63.5 (2.5) | 35.05 (1.38) | 219.2 (8.63) | 4Q-600TG ① ② |

① UL Listing not applicable.

② CSA Certification not applicable.

Liquidtight Fittings

Hot-Dip/Mechanically Galvanized with Insulated Throat

Suitable for use in the following NEC/CEC

Governed Locations:

- Class I, Division 2 per NEC 501.10(B)(4)
- Class I, Zone 2 per NEC 505.15(C)(2)
- Class II, Division 2 per NEC 502.4(A)(1)(e)
- Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC

Governed Locations:

- Class III, Division 1 per NEC 503.3(A)(2)
- Class III, Division 2 per NEC 503.3(B)
- Intrinsically Safe per NEC 504.20

Applications

- To secure, ground and seal Liquidtight Flexible Metal conduit, Type LFMC, to boxes and enclosures.

Features

- Tapered threaded male hub NPT.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required.
- Suitable for use in the following Hazardous Locations:
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.
- Provided with insulated throat.

Standard Materials

- Malleable iron
- Steel ferrule

Standard Finishes

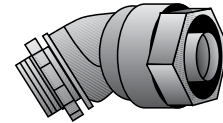
- Malleable iron - galvanized
- Steel ferrule - zinc electroplated

Options

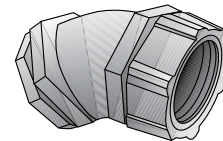
- Available hot dip/mechanically galvanized.

NEC/CEC Certifications and Compliances

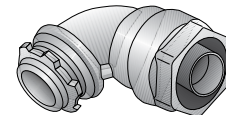
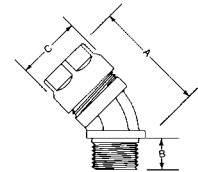
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



Type 4Q-438TG — Type 4Q-4200TG



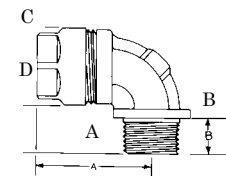
Type 4Q-4250TG — Type 4Q-4500TG



Type 4Q-938TG — Type 4Q-9200TG

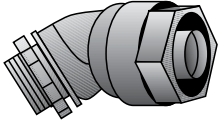
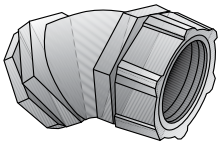


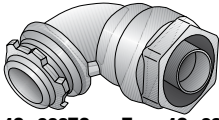
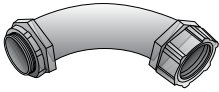
Type 4Q-9250TG — Type 4Q-9500TG



Liquidtight Fittings

Hot-Dip/Mechanically Galvanized with Insulated Throat

| | | Dimensions in Millimeters (Inches) | | | Insulated Throat Catalog Number |
|--|---------------|------------------------------------|--------------|---------------|---------------------------------|
| Trade Size (Inches) | | A | B | C Dia. | |
|  <p>Type 4Q-438TG — Type 4Q-4200TG</p> | 3/8 (1/2 KO) | 47.75 (1.88) | 14.22 (0.56) | 28.7 (1.13) | 4Q-438TG |
| | 1/2 | 47.75 (1.88) | 14.22 (0.56) | 31.75 (1.25) | 4Q-450TG |
| | 3/4 | 57.15 (2.25) | 14.22 (0.56) | 38.1 (1.5) | 4Q-475TG |
| | 1 | 60.45 (2.38) | 12.7 (0.5) | 44.45 (1.75) | 4Q-4100TG |
| | 1-1/4 | 82.55 (3.25) | 16 (0.63) | 57.15 (2.25) | 4Q-4125TG |
| | 1-1/2 | 85.85 (3.38) | 16 (0.63) | 66.8 (2.63) | 4Q-4150TG |
| | 2 | 101.6 (4) | 16 (0.63) | 76.2 (3) | 4Q-4200TG |
|  <p>Type 4Q-4250TG — Type 4Q-4500TG</p> | 2-1/2 | 146.05 (5.75) | 25.4 (1) | 104.9 (4.13) | 4Q-4250TG |
| | 3 | 165.1 (6.5) | 28.7 (1.13) | 123.95 (4.88) | 4Q-4300TG |
| | 4 | 190.5 (7.5) | 31.75 (1.25) | 155.7 (6.13) | 4Q-4400TG |
| | 5 | 203.2 (8) | 31.75 (1.25) | 187.45 (7.38) | 4Q-4500TG ① |

| | | Dimensions in Millimeters (Inches) | | | | Insulated Throat Catalog Number |
|--|---------------|------------------------------------|--------------|---------------|--------------|---------------------------------|
| Trade Size (Inches) | | A | B | C | D | |
|  <p>Type 4Q-938TG — Type 4Q-9200TG</p> | 3/8 (1/2 KO) | 39.62 (1.56) | 14.22 (0.56) | 28.7 (1.13) | 35.05 (1.38) | 4Q-938TG |
| | 1/2 | 39.62 (1.56) | 14.22 (0.56) | 31.75 (1.25) | 35.05 (1.38) | 4Q-950TG |
| | 3/4 | 45.97 (1.81) | 12.7 (0.5) | 38.1 (1.5) | 38.1 (1.5) | 4Q-975TG |
| | 1 | 50.8 (2) | 12.7 (0.5) | 44.45 (1.75) | 41.4 (1.63) | 4Q-9100TG |
| | 1-1/4 | 69.85 (2.75) | 16 (0.63) | 57.15 (2.25) | 54.1 (2.13) | 4Q-9125TG |
| | 1-1/2 | 73.15 (2.88) | 16 (0.63) | 66.8 (2.63) | 57.15 (2.25) | 4Q-9150TG |
| | 2 | 88.9 (3.5) | 19.05 (0.75) | 76.2 (3) | 73.15 (2.88) | 4Q-9200TG |
|  <p>Type 4Q-9250TG — Type 4Q-9500TG</p> | 2-1/2 | 190.5 (7.5) | 25.4 (1) | 104.9 (4.13) | 181.1 (7.13) | 4Q-9250TG |
| | 3 | 225.55 (8.88) | 28.7 (1.13) | 123.95 (4.88) | 215.9 (8.5) | 4Q-9300TG |
| | 4 | 289.05 (11.38) | 28.7 (1.13) | 155.7 (6.13) | 279.4 (11) | 4Q-9400TG |
| | 5 | 355.6 (14) | 31.75 (1.25) | 187.45 (7.38) | 355.6 (14) | 4Q-9500TG ① |

① UL Listing not applicable.

Ferrule Wrench

Applications

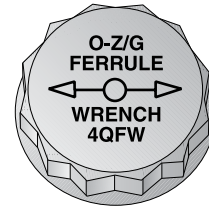
- To secure, ground and seal Liquidtight Flexible Metal conduit, Type LFMC, to boxes and enclosures.

Features

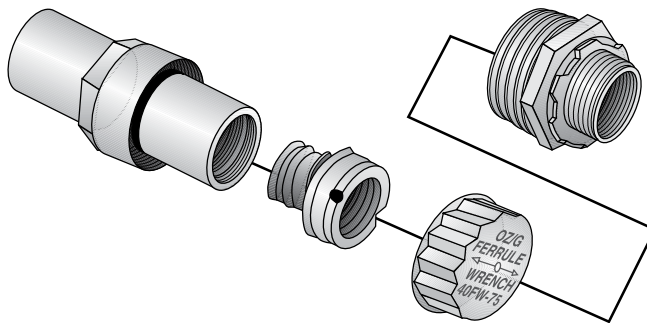
- Innovative plastic wrench mates up with 3/8", 1/2" and 3/4" trade size ferrules.
- Speeds installation time.
- Eliminates the use of tools used in the field that can crush ferrules.
- Reduces injuries from sharp edges caused during installation.
- For use with O-Z/Gedney Type 4Q liquidtight connectors listed in Sections GA, GB and GC.

Standard Materials

- Plastic



Type 4QFW



Ferrule Installation

| Trade Size (Inches) | Catalog Number |
|---------------------|----------------|
| 3/8 | 4QFW-38 |
| 1/2 | 4QFW-50 |
| 3/4 | 4QFW-75 |

Grip-Tite® Strain Relief Connectors

Applications

- To secure and seal cords or cables entering enclosures or raceways.

Features

- Grip-tite style - 2-piece internal design features a nylon gripper for exceptional pullout protection and a neoprene grommet for a moisture-proof seal (up to 1" dia. cord range).
- Dual-grommet style - for over 1" dia. cord range. Removable insert allows for wider range of cable diameters within single fitting.
- Simple installation, cord can be installed without disassembly of the fitting.
- Liquidtight/Oiltight/Raintight.
- UL Listed NEMA 4, 6 and 12 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Rated at 90°C.
- Suitable for NEMA 4 enclosures and other wet locations
- Male tapered thread NPT.
- Slim diameter profile allows close spacing between connectors.
- Furnished complete with sealing ring and locknut.
- Colored gripper allows for easy identification.

Standard Materials

- Malleable iron body and gland nut, nylon gripper, neoprene grommet, PVC or Buna-N Sealing ring, steel locknut

Standard Finishes

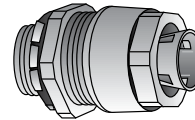
- Body, gland nut and locknut — zinc plated

Options

- Mechanical Galvanized. Contact your local representative.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec: W-F-406E



Straight
Type SR-50-250

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | Style | Color | Dimensions in Millimeters (Inches) | | | Catalog Number |
|----------------------|---------------------------------------|--------------|----------------|-----------|------------------------------------|--------------|--------------|----------------------|
| | Cord Range | | | | Throat I.D. | Body Length | Max. Dia. | |
| | Min. | Max. | | | | | | |
| 1/2 | 4.06 (0.16) | 6.35 (0.25) | Grip-Tite | Red | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-50-250 |
| 1/2 | 6.35 (0.25) | 9.65 (0.38) | | White | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-50-375 |
| 1/2 | 9.65 (0.38) | 12.7 (0.5) | | Blue | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-50-500 |
| 1/2 | 12.7 (0.5) | 16 (0.63) | | Brown | 15.49 (0.61) ① | 31.75 (1.25) | 35.05 (1.38) | SR-50-625 ① |
| 3/4 | 4.06 (0.16) | 6.35 (0.25) | Grip-Tite | Red | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-75-250 |
| 3/4 | 6.35 (0.25) | 9.65 (0.38) | | White | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-75-375 |
| 3/4 | 9.65 (0.38) | 12.7 (0.5) | | Blue | 13.46 (0.53) | 31.75 (1.25) | 35.05 (1.38) | SR-75-500 |
| 3/4 | 12.7 (0.5) | 16 (0.63) | | Brown | 19.05 (0.75) | 31.75 (1.25) | 35.05 (1.38) | SR-75-625 |
| 3/4 | 16 (0.63) | 19.05 (0.75) | | Yellow | 19.81 (0.78) | 31.75 (1.25) | 38.1 (1.5) | SR-75-750 |
| 3/4 | 19.05 (0.75) | 22.35 (0.88) | | Purple | 20.57 (0.81) ① | 31.75 (1.25) | 44.45 (1.75) | SR-75-875 ① |
| 1 | 16 (0.63) | 19.05 (0.75) | | Grip-Tite | Yellow | 19.81 (0.78) | 31.75 (1.25) | 44.45 (1.75) |
| 1 | 19.05 (0.75) | 22.35 (0.88) | Purple | | 24.38 (0.96) | 31.75 (1.25) | 44.45 (1.75) | SR-100-875 |
| 1 | 22.35 (0.88) | 25.4 (1) | Grey | | 26.67 (1.05) | 31.75 (1.25) | 41.4 (1.63) | SR-100-1000 |
| 1-1/4 | 22.35 (0.88) | 25.4 (1) | Grey | | 30.48 (1.2) | 35.05 (1.38) | 54.1 (2.13) | SR-125-1000 |
| 1 | 25.4 (1) | 28.7 (1.13) | Single Grommet | | 26.67 (1.05) ① | 35.05 (1.38) | 38.1 (1.5) | SR-100-1125 ① |
| 1-1/4 | 25.4 (1) | 35.05 (1.38) | Dual Grommet | | 34.29 (1.35) ① | 41.4 (1.63) | 63.5 (2.5) | SR-125-1375 ① |
| 1-1/2 | 25.4 (1) | 35.05 (1.38) | | | 35.05 (1.38) | 41.4 (1.63) | 63.5 (2.5) | SR-150-1375 |
| 1-1/2 | 35.05 (1.38) | 44.45 (1.75) | | | 38.86 (1.53) ① | 41.4 (1.63) | 76.2 (3) | SR-150-1750 ① |
| 2 | 35.05 (1.38) | 44.45 (1.75) | | | 40.39 (1.59) | 54.1 (2.13) | 76.2 (3) | SR-200-1750 |
| 2-1/2 | 41.4 (1.63) | 50.8 (2) | | | 63.5 (2.5) | 63.5 (2.5) | 101.6 (4) | SR-250-2000 |
| 2-1/2 | 47.75 (1.88) | 57.15 (2.25) | | | 63.5 (2.5) | 63.5 (2.5) | 101.6 (4) | SR-250-2250 |
| 3 | 47.75 (1.88) | 57.15 (2.25) | | | 63.5 (2.5) | 63.5 (2.5) | 114.3 (4.5) | SR-300-2250 |
| 3 | 54.1 (2.13) | 63.5 (2.5) | | | 63.5 (2.5) | 63.5 (2.5) | 114.3 (4.5) | SR-300-2500 |

① Remove enough jacket to get conductors through throat I.D.

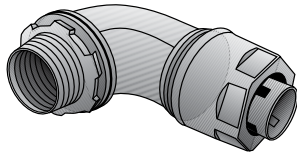
Grip-Tite® Strain Relief Connectors

Applications

- To secure and seal cords or cables entering enclosures or raceways.

Features

- Grip-tite style - 2-piece internal design features a nylon gripper for exceptional pullout protection and a neoprene grommet for a moisture-proof seal (up to 1" dia. cord range).
- Dual-grommet style - for over 1" dia. cord range. Removable insert allows for wider range of cable diameters within single fitting.
- Simple installation, cord can be installed without disassembly of the fitting.
- Liquidtight/Oiltight/Raintight.
- UL Listed NEMA 4, 6 and 12 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Rated at 90°C.
- Suitable for NEMA 4 enclosures and other wet locations
- Male tapered thread NPT.
- Slim diameter profile allows close spacing between connectors.
- Furnished complete with sealing ring and locknut.
- Colored gripper allows for easy identification.



90°
Type SR-950-250

Standard Materials

- Malleable iron body and gland nut, nylon gripper, neoprene grommet, PVC or Buna-N Sealing ring, steel locknut

Standard Finishes

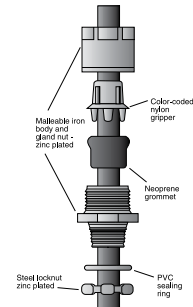
- Body, gland nut and locknut — zinc plated

Options

- Mechanical Galvanized. Contact your local representative.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec: W-F-406E



Strain Relief Installation

| Dimensions in Millimeters (Inches) | | | | | Dimensions in Millimeters (Inches) | | | | |
|---------------------------------------|--------------|--------------|--------------|-----------|------------------------------------|--------------|--------------|----------------|----------------|
| Hub Size (Inches) | Cord Range | | Style | New Color | Throat I.D. | Body Length | Max. Dia. | Turning Radius | Catalog Number |
| | Min. | Max. | | | | | | | |
| 1/2 | 4.06 (0.16) | 6.35 (0.25) | Grip-Tite | Red | 14.99 (0.59) | 35.05 (1.38) | 28.7 (1.13) | 47.75 (1.88) | SR-950-250 |
| 1/2 | 6.35 (0.25) | 9.65 (0.38) | | White | 14.99 (0.59) | 35.05 (1.38) | 28.7 (1.13) | 47.75 (1.88) | SR-950-375 |
| 1/2 | 9.65 (0.38) | 12.7 (0.5) | | Blue | 14.99 (0.59) | 35.05 (1.38) | 28.7 (1.13) | 47.75 (1.88) | SR-950-500 |
| 1/2 | 12.7 (0.5) | 16 (0.63) | | Brown | 14.99 (0.59) ① | 35.05 (1.38) | 28.7 (1.13) | 41.4 (1.63) | SR-950-625 ① |
| 3/4 | 4.06 (0.16) | 6.35 (0.25) | Grip-Tite | Red | 20.57 (0.81) | 35.05 (1.38) | 35.05 (1.38) | 41.4 (1.63) | SR-975-250 |
| 3/4 | 6.35 (0.25) | 9.65 (0.38) | | White | 20.57 (0.81) | 35.05 (1.38) | 35.05 (1.38) | 47.75 (1.88) | SR-975-375 |
| 3/4 | 9.65 (0.38) | 12.7 (0.5) | | Blue | 20.57 (0.81) | 35.05 (1.38) | 35.05 (1.38) | 47.75 (1.88) | SR-975-500 |
| 3/4 | 12.7 (0.5) | 16 (0.63) | | Brown | 20.57 (0.81) | 35.05 (1.38) | 35.05 (1.38) | 41.4 (1.63) | SR-975-625 |
| 3/4 | 16 (0.63) | 19.05 (0.75) | | Yellow | 20.57 (0.81) | 41.4 (1.63) | 38.1 (1.5) | 50.8 (2) | SR-975-750 |
| 3/4 | 19.05 (0.75) | 22.35 (0.88) | | Purple | 20.83 (0.82) ① | 47.75 (1.88) | 41.4 (1.63) | 47.75 (1.88) | SR-975-875 ① |
| 1 | 19.05 (0.75) | 22.35 (0.88) | Grip-Tite | Purple | 25.91 (1.02) | 47.75 (1.88) | 41.4 (1.63) | 50.8 (2) | SR-9100-875 |
| 1 | 22.35 (0.88) | 25.4 (1) | | Grey | 26.42 (1.04) | 63.5 (2.5) | 47.75 (1.88) | 50.8 (2) | SR-9100-1000 |
| 1-1/4 | 22.35 (0.88) | 25.4 (1) | Grip-Tite | Grey | 34.04 (1.34) | 73.15 (2.88) | 47.75 (1.88) | 66.8 (2.63) | SR-9125-1000 |
| 1-1/4 | 25.4 (1) | 35.05 (1.38) | Dual Grommet | | 34.04 (1.34) ① | 73.15 (2.88) | 47.75 (1.88) | 66.8 (2.63) | SR-9125-1375 ① |

① Remove enough jacket to get conductors through Throat I.D.

Gold Seal Strain Relief Connectors

Features

- Tapered threaded male hub NPT.
- Watertight/Oiltight.
- UL Listed NEMA 4 and 6 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Rated at 90°C.

Standard Materials

- Malleable iron
- Grommets — PVC

Standard Finishes

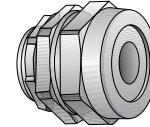
- Zinc plated

Options

- Mechanical Galvanized. Contact your local representative.

NEC/CEC Certifications and Compliances

- UL Listed: E-11857
- CSA Certified: 009795



Straight Connector
Type SR-502

| Hub Size (Inches) | Cable Range Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|----------------------|-------------------------------------|------|------------------------------------|----------------|-------------------|---------------|-------------------|
| | Dia. Over Jacket | | Throat I.D. | Body Length | Thread. Length | Max. Dia. | |
| | Min. | Max. | | | | | |
| 1/2 | 2.54 (0.1) - 5.08 (0.2) | | 13.21 (0.52) | 28.7 (1.13) | 14.22 (0.56) | 26.92 (1.06) | SR-502 ② |
| 1/2 | 5.08 (0.2) - 7.62 (0.3) | | 13.21 (0.52) | 28.7 (1.13) | 14.22 (0.56) | 26.92 (1.06) | SR-503 ② |
| 1/2 | 7.62 (0.3) - 10.16 (0.4) | | 13.21 (0.52) | 28.7 (1.13) | 14.22 (0.56) | 26.92 (1.06) | SR-504 ② |
| 1/2 | 10.16 (0.4) - 12.7 (0.5) | | 15.49 (0.61) | 30.23 (1.19) | 14.22 (0.56) | 26.92 (1.06) | SR-505 ② |
| 1/2 | 12.7 (0.5) - 15.24 (0.6) | | 15.49 (0.61) | 30.23 (1.19) | 11.18 (0.44) | 26.92 (1.06) | SR-506 ② |
| 1/2 | 15.24 (0.6) - 17.78 (0.7) | | 15.49 (0.61) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-507 ①② |
| 3/4 | 2.54 (0.1) - 5.08 (0.2) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-752 |
| 3/4 | 5.08 (0.2) - 7.62 (0.3) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-753 |
| 3/4 | 7.62 (0.3) - 10.16 (0.4) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-754 ② |
| 3/4 | 10.16 (0.4) - 12.7 (0.5) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-755 ② |
| 3/4 | 12.7 (0.5) - 15.24 (0.6) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-756 ② |
| 3/4 | 15.24 (0.6) - 17.78 (0.7) | | 19.3 (0.76) | 30.23 (1.19) | 11.18 (0.44) | 35.05 (1.38) | SR-757 ② |
| 3/4 | 17.78 (0.7) - 20.32 (0.8) | | 20.32 (0.8) | 31.75 (1.25) | 11.18 (0.44) | 41.4 (1.63) | SR-758 ② |
| 3/4 | 20.32 (0.8) - 22.86 (0.9) | | 20.32 (0.8) | 31.75 (1.25) | 11.18 (0.44) | 16 (0.63) | SR-759 ①② |
| 3/4 | 22.86 (0.9) - 25.4 (1) | | 20.32 (0.8) | 31.75 (1.25) | 11.18 (0.44) | 41.4 (1.63) | SR-7510 ①② |
| 1 | 2.54 (0.1) - 5.08 (0.2) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1002 |
| 1 | 5.08 (0.2) - 7.62 (0.3) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1003 |
| 1 | 7.62 (0.3) - 10.16 (0.4) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1004 |
| 1 | 10.16 (0.4) - 12.7 (0.5) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1005 |
| 1 | 12.7 (0.5) - 15.24 (0.6) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1006 ② |
| 1 | 15.24 (0.6) - 17.78 (0.7) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1007 ② |
| 1 | 17.78 (0.7) - 20.32 (0.8) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1008 ② |
| 1 | 20.32 (0.8) - 22.86 (0.9) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-1009 ② |
| 1.00 | 22.86 (0.9) - 25.4 (1) | | 24.38 (0.96) | 31.75 (1.25) | 16 (0.63) | 41.4 (1.63) | SR-10010 ①② |
| 1.00 | 25.4 (1) - 30.48 (1.2) | | 24.38 (0.96) | 35.05 (1.38) | 16 (0.63) | 49.28 (1.94) | SR-10012 ①② |
| 1-1/4 | 22.86 (0.9) - 25.4 (1) | | 30.48 (1.2) | 35.05 (1.38) | 16 (0.63) | 52.32 (2.06) | SR-12510 ② |
| 1-1/4 | 25.4 (1) - 30.48 (1.2) | | 30.48 (1.2) | 35.05 (1.38) | 16 (0.63) | 52.32 (2.06) | SR-12512 ② |
| 1.25 | 30.48 (1.2) - 35.56 (1.4) | | 30.99 (1.22) | 39.62 (1.56) | 16 (0.63) | 60.45 (2.38) | SR-12514 ①② |
| 1 1/2 | 25.4 (1) - 30.48 (1.2) | | 38.1 (1.5) | 39.62 (1.56) | 16 (0.63) | 60.45 (2.38) | SR-15012 ② |
| 1 1/2 | 30.48 (1.2) - 35.56 (1.4) | | 38.1 (1.5) | 39.62 (1.56) | 16 (0.63) | 60.45 (2.38) | SR-15014 ② |
| 1.50 | 35.56 (1.4) - 40.64 (1.6) | | 39.62 (1.56) | 45.97 (1.81) | 16 (0.63) | 76.2 (3) | SR-15016 ①② |
| 1.50 | 40.64 (1.6) - 45.72 (1.8) | | 39.62 (1.56) | 45.97 (1.81) | 16 (0.63) | 76.2 (3) | SR-15018 ①② |
| 2 | 30.48 (1.2) - 35.56 (1.4) | | 49.02 (1.93) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) | SR-20014 ② |
| 2 | 35.56 (1.4) - 40.64 (1.6) | | 49.02 (1.93) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) | SR-20016 ② |
| 2 | 40.64 (1.6) - 45.72 (1.8) | | 49.02 (1.93) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) | SR-20018 ② |
| 2-1/2 | 38.1 (1.5) - 45.72 (1.8) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-25018 ② |
| 2-1/2 | 45.72 (1.8) - 53.34 (2.1) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-25021 ② |
| 2-1/2 | 53.34 (2.1) - 60.96 (2.4) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-25024 ② |
| 3 | 38.1 (1.5) - 45.72 (1.8) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-30018 ② |
| 3 | 45.72 (1.8) - 53.34 (2.1) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-30021 ② |
| 3 | 53.34 (2.1) - 60.96 (2.4) | | 61.98 (2.44) | 63.5 (2.5) | 28.7 (1.13) | 103.12 (4.06) | SR-30024 ② |

① Remove enough jacket to get conductors through Throat I.D.

② UL Listed NEMA 4, 6 and 12 when installed into a NPT threaded entry or UL Listed conduit hub.

Gold Seal Strain Relief Connectors

Features

- Tapered threaded male hub NPT.
- Watertight/Oiltight.
- UL Listed NEMA 4 and 6 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1 1/4" and larger require thread sealant).
- Rated at 90°C.

Standard Materials

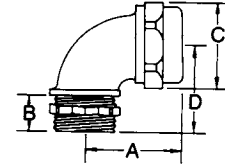
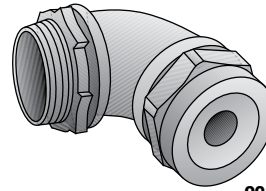
- Malleable iron
- Grommets — PVC

Standard Finishes

- Zinc plated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec: Commercial Item Description A-505-52



90° Connector
Type SR9-502

| Hub Size (Inches) | Cable Range Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | Catalog Number | |
|----------------------|-------------------------------------|------|------------------------------------|--------------|--------------|--------------|-------------------|--------------|
| | Dia. Over Jacket | | Throat I.D. | A | B | C | | D |
| | Min. | Max. | | | | | | |
| 1/2 | 2.54 (0.1) - 5.08 (0.2) | | 12.7 (0.5) | 35.05 (1.38) | 11.18 (0.44) | 26.92 (1.06) | 26.92 (1.06) | SR9-502 ② |
| 1/2 | 5.08 (0.2) - 7.62 (0.3) | | 12.7 (0.5) | 35.05 (1.38) | 11.18 (0.44) | 26.92 (1.06) | 26.92 (1.06) | SR9-503 ② |
| 1/2 | 7.62 (0.3) - 10.16 (0.4) | | 12.7 (0.5) | 35.05 (1.38) | 11.18 (0.44) | 26.92 (1.06) | 26.92 (1.06) | SR9-504 ② |
| 1/2 | 11.68 (0.46) - 14.22 (0.56) | | 12.7 (0.5) | 35.05 (1.38) | 11.18 (0.44) | 26.92 (1.06) | 26.92 (1.06) | SR9-505 ② |
| 1/2 | 12.7 (0.5) - 15.24 (0.6) | | 15.49 (0.61) | 38.1 (1.5) | 12.7 (0.5) | 35.05 (1.38) | 30.23 (1.19) | SR9-506 ② |
| 1/2 | 15.24 (0.6) - 17.78 (0.7) | | 15.49 (0.61) | 38.1 (1.5) | 12.7 (0.5) | 35.05 (1.38) | 30.23 (1.19) | SR9-507 ①② |
| 3/4 | 2.54 (0.1) - 5.08 (0.2) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-752 |
| 3/4 | 5.08 (0.2) - 7.62 (0.3) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-753 |
| 3/4 | 7.62 (0.3) - 10.16 (0.4) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-754 ② |
| 3/4 | 10.16 (0.4) - 12.7 (0.5) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-755 ② |
| 3/4 | 12.7 (0.5) - 15.24 (0.6) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-756 ② |
| 3/4 | 15.24 (0.6) - 17.78 (0.7) | | 20.32 (0.8) | 45.97 (1.81) | 11.18 (0.44) | 35.05 (1.38) | 36.58 (1.44) | SR9-757 ② |
| 3/4 | 17.78 (0.7) - 20.32 (0.8) | | 20.83 (0.82) | 47.75 (1.88) | 14.22 (0.56) | 41.4 (1.63) | 38.1 (1.5) | SR9-758 ② |
| 1 | 2.54 (0.1) - 5.08 (0.2) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1002 |
| 1 | 5.08 (0.2) - 7.62 (0.3) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1003 |
| 1 | 7.62 (0.3) - 10.16 (0.4) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1004 |
| 1 | 10.16 (0.4) - 12.7 (0.5) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1005 |
| 1 | 12.7 (0.5) - 15.24 (0.6) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1006 ② |
| 1 | 15.24 (0.6) - 17.78 (0.7) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1007 ② |
| 1 | 17.78 (0.7) - 20.32 (0.8) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1008 ② |
| 1 | 20.32 (0.8) - 22.86 (0.9) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-1009 ② |
| 1 | 22.86 (0.9) - 25.4 (1) | | 24.13 (0.95) | 50.8 (2) | 12.7 (0.5) | 41.4 (1.63) | 39.62 (1.56) | SR9-10010 ①② |
| 1-1/4 | 22.86 (0.9) - 25.4 (1) | | 27.94 (1.1) | 68.33 (2.69) | 16 (0.63) | 49.28 (1.94) | 54.1 (2.13) | SR9-12510 ② |
| 1-1/4 | 25.4 (1) - 30.48 (1.2) | | 27.94 (1.1) | 68.33 (2.69) | 16 (0.63) | 49.28 (1.94) | 54.1 (2.13) | SR9-12512 ①② |
| 1-1/2 | 25.4 (1) - 30.48 (1.2) | | 35.31 (1.39) | 74.68 (2.94) | 16 (0.63) | 60.45 (2.38) | 57.15 (2.25) | SR9-15012 ② |
| 1-1/2 | 30.48 (1.2) - 35.56 (1.4) | | 35.31 (1.39) | 74.68 (2.94) | 16 (0.63) | 60.45 (2.38) | 57.15 (2.25) | SR9-15014 ①② |
| 2 | 30.48 (1.2) - 35.56 (1.4) | | 44.96 (1.77) | 92.2 (3.63) | 17.53 (0.69) | 76.2 (3) | 77.72 (3.06) | SR9-20014 ② |
| 2 | 35.56 (1.4) - 40.64 (1.6) | | 44.96 (1.77) | 92.2 (3.63) | 17.53 (0.69) | 76.2 (3) | 77.72 (3.06) | SR9-20016 ② |
| 2 | 40.64 (1.6) - 45.72 (1.8) | | 44.96 (1.77) | 92.2 (3.63) | 17.53 (0.69) | 76.2 (3) | 77.72 (3.06) | SR9-20018 ①② |

① Remove enough jacket to get conductors through Throat I.D.

② UL Listed NEMA 4, 6 and 12 when installed into a NPT threaded entry or UL Listed conduit hub.

Cord Grip Connectors

Features

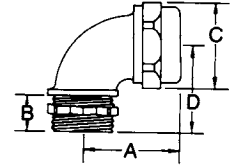
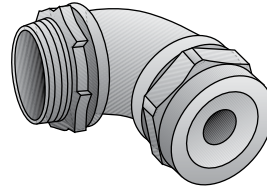
- Tapered threaded male hub NPT.
- Watertight/Oiltight.
- With neoprene grommets.
- Rated at 90°C.

Standard Materials

- Copper-free aluminum

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- Fed. Spec: Commercial Item Description A-505-52



Straight Strain Relief
Type CGA-38

| Hub Size (Inches) | Cable Range Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|----------------------|----------------------------------|--|------------------------------------|--------------|--------------|--------------|-------------------|
| | Dia. Over Jacket | | Throat I.D. | A | B | C | |
| 3/8 | 3.3 (0.13) - 4.83 (0.19) | | 11.68 (0.46) | 38.1 (1.5) | 11.18 (0.44) | 25.4 (1) | CGA-38-188 |
| 3/8 | 4.83 (0.19) - 6.35 (0.25) | | 11.68 (0.46) | 38.1 (1.5) | 11.18 (0.44) | 25.4 (1) | CGA-38-250 |
| 3/8 | 6.35 (0.25) - 7.87 (0.31) | | 11.68 (0.46) | 38.1 (1.5) | 11.18 (0.44) | 25.4 (1) | CGA-38-312 |
| 3/8 | 7.87 (0.31) - 9.65 (0.38) | | 11.68 (0.46) | 38.1 (1.5) | 11.18 (0.44) | 25.4 (1) | CGA-38-375 |
| 3/8 | 9.65 (0.38) - 11.18 (0.44) | | 11.68 (0.46) | 38.1 (1.5) | 11.18 (0.44) | 25.4 (1) | CGA-38-438 |
| 1/2 | 3.3 (0.13) - 4.83 (0.19) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-188 |
| 1/2 | 4.83 (0.19) - 6.35 (0.25) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-250 |
| 1/2 | 6.35 (0.25) - 7.87 (0.31) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-312 |
| 1/2 | 7.87 (0.31) - 9.65 (0.38) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-375 |
| 1/2 | 9.65 (0.38) - 11.18 (0.44) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-438 |
| 1/2 | 11.18 (0.44) - 12.7 (0.5) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-500 |
| 1/2 | 12.7 (0.5) - 14.22 (0.56) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-562 |
| 1/2 | 14.22 (0.56) - 16 (0.63) | | 14.73 (0.58) | 45.97 (1.81) | 12.7 (0.5) | 33.27 (1.31) | CGA-50-625 |
| 3/4 | 11.18 (0.44) - 14.22 (0.56) | | 20.57 (0.81) | 52.32 (2.06) | 14.22 (0.56) | 38.1 (1.5) | CGA-75-562 |
| 3/4 | 12.7 (0.5) - 16 (0.63) | | 20.57 (0.81) | 52.32 (2.06) | 14.22 (0.56) | 38.1 (1.5) | CGA-75-625 |
| 3/4 | 14.22 (0.56) - 17.53 (0.69) | | 20.57 (0.81) | 52.32 (2.06) | 14.22 (0.56) | 38.1 (1.5) | CGA-75-688 |
| 3/4 | 16 (0.63) - 19.05 (0.75) | | 20.57 (0.81) | 52.32 (2.06) | 14.22 (0.56) | 38.1 (1.5) | CGA-75-750 |
| 3/4 | 17.53 (0.69) - 20.57 (0.81) | | 20.57 (0.81) | 52.32 (2.06) | 14.22 (0.56) | 38.1 (1.5) | CGA-75-812 |
| 1 | 11.18 (0.44) - 14.22 (0.56) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-562 |
| 1 | 12.7 (0.5) - 16 (0.63) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-625 |
| 1 | 14.22 (0.56) - 17.53 (0.69) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-688 |
| 1 | 16 (0.63) - 19.05 (0.75) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-750 |
| 1 | 17.53 (0.69) - 20.57 (0.81) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-812 |
| 1 | 19.05 (0.75) - 22.35 (0.88) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-875 |
| 1 | 20.57 (0.81) - 23.88 (0.94) | | 25.4 (1) | 58.67 (2.31) | 16 (0.63) | 42.93 (1.69) | CGA-100-938 |
| 1-1/4 | 19.05 (0.75) - 22.35 (0.88) | | 33.27 (1.31) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-125-875 |
| 1-1/4 | 22.35 (0.88) - 25.4 (1) | | 33.27 (1.31) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-125-1000 |
| 1-1/4 | 25.4 (1) - 28.7 (1.13) | | 33.27 (1.31) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-125-1125 |
| 1-1/4 | 28.7 (1.13) - 31.75 (1.25) | | 33.27 (1.31) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-125-1250 |
| 1-1/4 | 31.75 (1.25) - 35.05 (1.38) | | 33.27 (1.31) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-125-1375 |
| 1-1/2 | 19.05 (0.75) - 22.35 (0.88) | | 38.1 (1.5) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-150-875 |
| 1-1/2 | 22.35 (0.88) - 25.4 (1) | | 38.1 (1.5) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-150-1000 |
| 1-1/2 | 25.4 (1) - 28.7 (1.13) | | 38.1 (1.5) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-150-1125 |
| 1-1/2 | 28.7 (1.13) - 31.75 (1.25) | | 38.1 (1.5) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-150-1250 |
| 1-1/2 | 31.75 (1.25) - 35.05 (1.38) | | 38.1 (1.5) | 69.85 (2.75) | 17.53 (0.69) | 63.5 (2.5) | CGA-150-1375 |
| 2 | 31.75 (1.25) - 35.05 (1.38) | | 46.74 (1.84) | 95.25 (3.75) | 20.57 (0.81) | 82.55 (3.25) | CGA-200-1375 |
| 2 | 36.58 (1.44) - 39.62 (1.56) | | 46.74 (1.84) | 95.25 (3.75) | 20.57 (0.81) | 82.55 (3.25) | CGA-200-1562 |
| 2 | 39.62 (1.56) - 42.93 (1.69) | | 46.74 (1.84) | 95.25 (3.75) | 20.57 (0.81) | 82.55 (3.25) | CGA-200-1688 |
| 2 | 42.93 (1.69) - 45.97 (1.81) | | 46.74 (1.84) | 95.25 (3.75) | 20.57 (0.81) | 82.55 (3.25) | CGA-200-1812 |

Cord Grip Connectors

Features

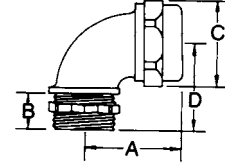
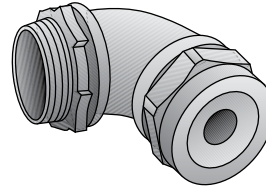
- Tapered threaded male hub NPT.
- Watertight/Oiltight.
- With neoprene grommets.
- Rated at 90°C.

Standard Materials

- Copper-free aluminum

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- Fed. Spec: Commercial Item Description A-505-52



90° Relief
Type CGA-38

| Hub Size (Inches) | Cable Range Millimeters (Inches) | | Throat I.D. | Dimensions in Millimeters (Inches) | | | Catalog Number |
|----------------------|--|------|--------------|------------------------------------|--------------|--------------|-------------------|
| | Min. | Max. | | A | B | C | |
| 3/8 | 3.3 (0.13) - 4.83 (0.19) | | 11.43 (0.45) | 38.1 (1.5) | 11.18 (0.44) | 33.27 (1.31) | CGA-938-188 |
| 3/8 | 4.83 (0.19) - 6.35 (0.25) | | 11.43 (0.45) | 38.1 (1.5) | 11.18 (0.44) | 33.27 (1.31) | CGA-938-250 |
| 3/8 | 6.35 (0.25) - 7.87 (0.31) | | 11.43 (0.45) | 38.1 (1.5) | 11.18 (0.44) | 33.27 (1.31) | CGA-938-312 |
| 3/8 | 7.87 (0.31) - 9.65 (0.38) | | 11.43 (0.45) | 38.1 (1.5) | 11.18 (0.44) | 33.27 (1.31) | CGA-938-375 |
| 3/8 | 9.65 (0.38) - 11.18 (0.44) | | 14.73 (0.58) | 38.1 (1.5) | 11.18 (0.44) | 33.27 (1.31) | CGA-938-438 |
| 1/2 | 3.3 (0.13) - 4.83 (0.19) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-188 |
| 1/2 | 4.83 (0.19) - 6.35 (0.25) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-250 |
| 1/2 | 6.35 (0.25) - 7.87 (0.31) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-312 |
| 1/2 | 7.87 (0.31) - 9.65 (0.38) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-375 |
| 1/2 | 9.65 (0.38) - 11.18 (0.44) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-438 |
| 1/2 | 11.18 (0.44) - 12.7 (0.5) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-500 |
| 1/2 | 12.7 (0.5) - 14.22 (0.56) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-562 |
| 1/2 | 14.22 (0.56) - 16 (0.63) | | 14.73 (0.58) | 47.75 (1.88) | 14.22 (0.56) | 38.1 (1.5) | CGA-950-625 |
| 3/4 | 11.18 (0.44) - 14.22 (0.56) | | 19.3 (0.76) | 57.15 (2.25) | 16 (0.63) | 49.28 (1.94) | CGA-975-562 |
| 3/4 | 12.7 (0.5) - 16 (0.63) | | 19.3 (0.76) | 57.15 (2.25) | 16 (0.63) | 49.28 (1.94) | CGA-975-625 |
| 3/4 | 14.22 (0.56) - 17.53 (0.69) | | 19.3 (0.76) | 57.15 (2.25) | 16 (0.63) | 49.28 (1.94) | CGA-975-688 |
| 3/4 | 16 (0.63) - 19.05 (0.75) | | 19.3 (0.76) | 57.15 (2.25) | 16 (0.63) | 49.28 (1.94) | CGA-975-750 |
| 3/4 | 17.53 (0.69) - 20.57 (0.81) | | 19.3 (0.76) | 57.15 (2.25) | 16 (0.63) | 49.28 (1.94) | CGA-975-812 |
| 1 | 11.18 (0.44) - 14.22 (0.56) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-562 |
| 1 | 12.7 (0.5) - 16 (0.63) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-625 |
| 1 | 14.22 (0.56) - 17.53 (0.69) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-688 |
| 1 | 16 (0.63) - 19.05 (0.75) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-750 |
| 1 | 17.53 (0.69) - 20.57 (0.81) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-812 |
| 1 | 19.05 (0.75) - 22.35 (0.88) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-875 |
| 1 | 20.57 (0.81) - 23.88 (0.94) | | 25.15 (0.99) | 60.45 (2.38) | 16 (0.63) | 50.8 (2) | CGA-9100-938 |
| 1-1/4 | 19.05 (0.75) - 22.35 (0.88) | | 32.51 (1.28) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9125-875 |
| 1-1/4 | 22.35 (0.88) - 25.4 (1) | | 32.51 (1.28) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9125-1000 |
| 1-1/4 | 25.4 (1) - 28.7 (1.13) | | 32.51 (1.28) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9125-1125 |
| 1-1/4 | 28.7 (1.13) - 31.75 (1.25) | | 32.51 (1.28) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9125-1250 |
| 1-1/4 | 31.75 (1.25) - 35.05 (1.38) | | 32.51 (1.28) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9125-1375 |
| 1-1/2 | 19.05 (0.75) - 22.35 (0.88) | | 35.56 (1.4) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9150-875 |
| 1-1/2 | 22.35 (0.88) - 25.4 (1) | | 35.56 (1.4) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9150-1000 |
| 1-1/2 | 25.4 (1) - 28.7 (1.13) | | 35.56 (1.4) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9150-1125 |
| 1-1/2 | 31.75 (1.25) - 35.05 (1.38) | | 35.56 (1.4) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9150-1375 |
| 1-1/2 | 28.7 (1.13) - 31.75 (1.25) | | 35.56 (1.4) | 81.03 (3.19) | 17.53 (0.69) | 68.33 (2.69) | CGA-9150-1250 |
| 2 | 31.75 (1.25) - 35.05 (1.38) | | 48.26 (1.9) | 101.6 (4) | 20.57 (0.81) | 81.03 (3.19) | CGA-9200-1375 |
| 2 | 36.58 (1.44) - 39.62 (1.56) | | 48.26 (1.9) | 101.6 (4) | 20.57 (0.81) | 81.03 (3.19) | CGA-9200-1562 |
| 2 | 39.62 (1.56) - 42.93 (1.69) | | 48.26 (1.9) | 101.6 (4) | 20.57 (0.81) | 81.03 (3.19) | CGA-9200-1688 |
| 2 | 42.93 (1.69) - 45.97 (1.81) | | 48.26 (1.9) | 101.6 (4) | 20.57 (0.81) | 81.03 (3.19) | CGA-9200-1812 |

Cord Grip Connectors

With Wire Mesh Grips

Features

- With neoprene grommets.
- Stainless steel wire mesh grips for superior cable pullout resistance.
- Tapered threaded male hub NPT.
- Watertight/Oiltight.
- Rated at 90°C.

Standard Materials

- Copper-free aluminum

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- Fed. Spec: Commercial Item Description A-505-52



Type CGA-38-250M



Type CGA-938-250M

| Hub Size (Inches) | Cord Range | Straight Connectors | 90° Connectors |
|-------------------|-----------------------------|---------------------|----------------|
| 3/8 | 4.83 (0.19) - 6.35 (0.25) | CGA-38-250M | CGA-938-250M |
| 3/8 | 6.35 (0.25) - 7.87 (0.31) | CGA-38-312M | CGA-938-312M |
| 3/8 | 7.87 (0.31) - 9.65 (0.38) | CGA-38-375M | CGA-938-375M |
| 3/8 | 9.65 (0.38) - 11.18 (0.44) | CGA-38-438M | CGA-938-438M |
| 1/2 | 4.83 (0.19) - 6.35 (0.25) | CGA-50-250M | CGA-950-250M |
| 1/2 | 6.35 (0.25) - 7.87 (0.31) | CGA-50-312M | CGA-950-312M |
| 1/2 | 7.87 (0.31) - 9.65 (0.38) | CGA-50-375M | CGA-950-375M |
| 1/2 | 9.65 (0.38) - 11.18 (0.44) | CGA-50-438M | CGA-950-438M |
| 1/2 | 11.18 (0.44) - 12.7 (0.5) | CGA-50-500M | CGA-950-500M |
| 1/2 | 12.7 (0.5) - 14.22 (0.56) | CGA-50-562M | CGA-950-562M |
| 1/2 | 14.22 (0.56) - 16 (0.63) | CGA-50-625M | CGA-950-625M |
| 3/4 | 11.18 (0.44) - 14.22 (0.56) | CGA-75-562M | CGA-975-562M |
| 3/4 | 12.7 (0.5) - 16 (0.63) | CGA-75-625M | CGA-975-625M |
| 3/4 | 14.22 (0.56) - 17.53 (0.69) | CGA-75-688M | CGA-975-688M |
| 3/4 | 16.51 (0.65) - 19.05 (0.75) | CGA-75-750M | CGA-975-750M |
| 3/4 | 17.53 (0.69) - 20.57 (0.81) | CGA-75-812M | CGA-975-812M |
| 1 | 11.18 (0.44) - 14.22 (0.56) | CGA-100-562M | CGA-9100-562M |
| 1 | 12.7 (0.5) - 16 (0.63) | CGA-100-625M | CGA-9100-625M |
| 1 | 14.22 (0.56) - 17.53 (0.69) | CGA-100-688M | CGA-9100-688M |
| 1 | 16 (0.63) - 19.05 (0.75) | CGA-100-750M | CGA-9100-750M |
| 1 | 17.53 (0.69) - 20.57 (0.81) | CGA-100-812M | CGA-9100-812M |
| 1 | 19.05 (0.75) - 22.35 (0.88) | CGA-100-875M | CGA-9100-875M |
| 1 | 20.57 (0.81) - 23.88 (0.94) | CGA-100-938M | CGA-9100-938M |
| 1-1/4 | 22.35 (0.88) - 25.4 (1) | CGA-125-1000M | CGA-9125-1000M |
| 1-1/4 | 25.4 (1) - 28.7 (1.13) | CGA-125-1125M | CGA-9125-1125M |
| 1-1/4 | 28.7 (1.13) - 31.75 (1.25) | CGA-125-1250M | CGA-9125-1250M |
| 1-1/4 | 31.75 (1.25) - 35.05 (1.38) | CGA-125-1375M | CGA-9125-1375M |
| 1-1/2 | 22.35 (0.88) - 25.4 (1) | CGA-150-1000M | CGA-9150-1000M |
| 1-1/2 | 25.4 (1) - 28.7 (1.13) | CGA-150-1125M | CGA-9150-1125M |
| 1-1/2 | 28.7 (1.13) - 31.75 (1.25) | CGA-150-1250M | CGA-9150-1250M |
| 1-1/2 | 31.75 (1.25) - 35.05 (1.38) | CGA-150-1375M | CGA-9150-1375M |
| 2 | 36.58 (1.44) - 39.62 (1.56) | CGA-200-1562M | CGA-9200-1562M |
| 2 | 39.62 (1.56) - 42.93 (1.69) | CGA-200-1688M | CGA-9200-1688M |
| 2 | 42.93 (1.69) - 45.97 (1.81) | CGA-200-1812M | CGA-9200-1812M |

ETight 700GSR Series Gland Compression Connectors

Application

- To ground and secure EMT raceway to boxes and enclosures in wet conditions.

Features

- UL Listed Raintight.
- Green compression nut identifies the fitting as raintight.
- No disassembly required.
- Male hub threads NPS.
- Available with and without insulated throat.
- Concretetight.

Materials/Finish

- Body and nut: steel
- Knockout sealing ring: EPDM rubber
- Body and nut: zinc electroplate

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14895
- UL Listed Raintight



7100GSR



7100GSRT

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number | |
|------------------------|------------------------------------|---------------------|------------------|-----------------------------|---------------------------|------------------|--|
| | Body Length | Maximum Diameter | Thread Length | Without Insulated Throat | | Insulated Throat | |
| 1/2 | 36.6 (1.44) | 27.9 (1.10) | 8.6 (0.34) | 4.5 (10) | 7050GSR | 7050GSRT | |
| 3/4 | 38.1 (1.50) | 34.5 (1.36) | 8.6 (0.34) | 6.8 (15) | 7075GSR | 7075GSRT | |
| 1 | 44.5 (1.75) | 34.5 (1.36) | 9.9 (0.39) | 10.0 (22) | 7100GSR | 7100GSRT | |
| 1-1/4 | 50.8 (2.00) | 52.6 (2.07) | 10.2 (0.40) | 16.3 (36) | 7125GSR | 7125GSRT | |
| 1-1/2 | 50.8 (2.00) | 58.7 (2.31) | 10.2 (0.40) | 18.1 (40) | 7150GSR | 7150GSRT | |
| 2 | 58.9 (2.32) | 70.9 (2.79) | 10.4 (0.41) | 24.5 (54) | 7200GSR | 7200GSRT | |
| 2-1/2 | 91.9 (3.62) | 92.2 (3.63) | 16.5 (0.65) | 68.0 (150) | 7250GSR | 7250GSRT | |
| 3 | 95.3 (3.75) | 109.0 (4.29) | 16.5 (0.65) | 83.9 (185) | 7300GSR | 7300GSRT | |
| 3-1/2 | 97.8 (3.85) | 121.9 (4.80) | 18.3 (0.72) | 97.5 (215) | 7350GSR | 7350GSRT | |
| 4 | 99.1 (3.90) | 133.9 (5.27) | 18.3 (0.72) | 108.0 (238) | 7400GSR | 7400GSRT | |

ETP Raintight 600GSR Series Gland Compression Couplings

Application

- To ground and secure EMT raceway sections together in wet locations.

Features

- UL Listed Raintight.
- Green compression nut identifies the fitting as raintight.
- No disassembly required.
- Concretetight.

Materials/Finish

- Body and nut: steel
- Zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-14895
- UL Listed Raintight



6050GSR – 6400GSR

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|------------------------|------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | | |
| 1/2 | 45.7 (1.80) | 27.9 (1.10) | 5.4 (12) | 6050GSR |
| 3/4 | 49.0 (1.93) | 34.5 (1.36) | 8.2 (18) | 6075GSR |
| 1 | 54.6 (2.15) | 41.4 (1.63) | 11.8 (26) | 6100GSR |
| 1-1/4 | 61.7 (2.43) | 52.6 (2.07) | 19.1 (42) | 6125GSR |
| 1-1/2 | 63.5 (2.50) | 59.0 (2.31) | 20.9 (46) | 6150GSR |
| 2 | 74.9 (2.95) | 71.0 (2.79) | 27.2 (60) | 6200GSR |
| 2-1/2 | 104.1 (4.10) | 92.2 (3.63) | 70.8 (156) | 6250GSR |
| 3 | 121.2 (4.77) | 109.0 (4.29) | 98.9 (218) | 6300GSR |
| 3-1/2 | 130.8 (5.15) | 121.9 (4.80) | 117.0 (258) | 6350GSR |
| 4 | 141.0 (5.55) | 134.0 (5.27) | 130.6 (288) | 6400GSR |

ETP 7000S Series Steel EMT Compression Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Male hub threads -NPS.
- Available with insulated throat.
- Concretetight.
- Insulated throat connector rated 90°C.

Materials/Finish

- Body and nut: steel
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14815, E14814
- cUL Listed: E14815
- CSA Standard: C22.2 No. 18.3
- NEMA: FB-1



7050s –7400s

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------------|------------------|---------------------------|-------------------|------------------------------------|
| | Body Length | Maximum Diameter | Thread Length | | | |
| 1/2 | 28.7 (1.13) | 26.9 (1.06) | 9.7 (0.38) | 6.80 (15.00) | 7050S | 7050ST |
| 3/4 | 26.2 (1.03) | 31.8 (1.25) | 11.2 (0.44) | 9.53 (21.00) | 7075S | 7075ST |
| 1 | 31.8 (1.25) | 39.6 (1.56) | 11.2 (0.44) | 14.51 (32.00) | 7100S | 7100ST |
| 1-1/4 | 46.0 (1.81) | 50.8 (2.00) | 14.2 (0.56) | 32.66 (72.00) | 7125S | 7125ST |
| 1-1/2 | 50.8 (2.00) | 55.6 (2.19) | 14.2 (0.56) | 38.56 (85.00) | 7150S | 7150ST |
| 2 | 57.2 (2.25) | 68.3 (2.69) | 17.5 (0.69) | 56.25 (124.00) | 7200S | 7200ST |
| 2 - 1/2 ① | 60.5 (2.38) | 84.8 (3.34) | 22.4 (0.88) | 72.57 (160.00) | 7250S | 7250ST |
| 3 ① | 73.2 (2.88) | 101.6 (4.00) | 22.4 (0.88) | 120.20 (265.00) | 7300S | 7300ST |
| 3 - 1/2 ① | 76.2 (3.00) | 114.3 (4.50) | 25.4 (1.00) | 192.78 (425.00) | 7350S | 7350ST |
| 4 ① | 81.0 (3.19) | 128.5 (5.06) | 25.4 (1.00) | 272.16 (600.00) | 7400S | 7400ST |

① Rated for steel EMT, aluminum and steel RMC, and steel IMC.

ETP 7000US Series Steel EMT Compression Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Made in the U.S.A.
- Male hub threads - NPS.
- Available with insulated throat.
- Concretetight.
- Insulated throat temperature rated 90°C.

Materials/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895, E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14815
- CSA Certified: 028507
- NEMA: FB-1



7050US -7200US



7250US -7400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------------|------------------|-------------------|------------------------------------|
| | Body Length | Maximum Diameter | Thread Length | | |
| 1/2 | 26.9 (1.06) | 24.6 (0.97) | 9.7 (0.38) | 7050US | 7050UST |
| 3/4 | 28.7 (1.13) | 31.0 (1.22) | 10.4 (0.41) | 7075US | 7075UST |
| 1 | 31.8 (1.25) | 38.1 (1.50) | 11.2 (0.44) | 7100US | 7100UST |
| 1-1/4 | 36.6 (1.44) | 48.5 (1.91) | 12.7 (0.50) | 7125US | 7125UST |
| 1-1/2 | 39.6 (1.56) | 54.9 (2.16) | 13.5 (0.53) | 7150US | 7150UST |
| 2 | 42.9 (1.69) | 68.3 (2.69) | 15.0 (0.59) | 7200US | 7200UST |
| 2 - 1/2 | 103.1 (4.06) | 104.9 (4.13) | 31.8 (1.25) | 7250US | 7250UST |
| 3 | 104.9 (4.13) | 119.1 (4.69) | 35.1 (1.38) | 7300US | 7300UST |
| 3 - 1/2 | 108.0 (4.25) | 135.6 (5.34) | 35.8 (1.41) | 7350US | 7350UST |
| 4 | 114.3 (4.50) | 149.4 (5.88) | 38.1 (1.50) | 7400US | 7400UST |

ETP 4000S Series Steel EMT Set Screw Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Male hub threads -NPS.
- Available with insulated throat.
- Three-way combination screws 1/2" thru 1".
- Slotted hexhead screw 1-1/4" thru 4".
- Insulated throat connector rated 90°C.

Materials/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895, E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14895
- CSA Certified: 028507
- NEMA: FB-1



4050S-4100S



4125S - 4400S

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-------------|------------------|---------------|------------------------|----------------|---------------------------------|
| Trade Size (Inches) | Body Length | Maximum Diameter | Thread Length | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
| 1/2 | 26.2 (1.03) | 21.3 (0.84) | 11.2 (0.44) | 4.54 (10.00) | 4050S | 4050ST |
| 3/4 | 27.7 (1.09) | 27.4 (1.08) | 11.2 (0.44) | 6.80 (15.00) | 4075S | 4075ST |
| 1 | 30.2 (1.19) | 33.3 (1.31) | 11.2 (0.44) | 10.43 (23.00) | 4100S | 4100ST |
| 1-1/4 | 44.5 (1.75) | 42.9 (1.69) | 14.2 (0.56) | 19.05 (42.00) | 4125S | 4125ST |
| 1-1/2 | 49.3 (1.94) | 49.3 (1.94) | 14.2 (0.56) | 24.04 (53.00) | 4150S | 4150ST |
| 2 | 55.6 (2.19) | 60.5 (2.38) | 16.0 (0.63) | 34.02 (75.00) | 4200S | 4200ST |
| 2 - 1/2 | 60.5 (2.38) | 79.5 (3.13) | 22.4 (0.88) | 58.97 (130.00) | 4250S | 4250ST |
| 3 | 73.2 (2.88) | 95.3 (3.75) | 22.4 (0.88) | 104.33(230.00) | 4300S | 4300ST |
| 3 - 1/2 | 76.2 (3.00) | 108.0 (4.25) | 25.4 (1.00) | 113.40 (250.00) | 4350S | 4350ST |
| 4 | 81.0 (3.19) | 120.7 (4.75) | 25.4 (1.00) | 113.40 (250.00) | 4400S | 4400ST |

ETP 4000US Series Steel EMT Set Screw Connectors

Application

- To ground and secure EMT raceways to boxes and enclosures.

Features

- Made in the U.S.A.
- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Male hub threads -NPS.
- Available with insulated throat.
- Three-way combination screws 1/2" thru 2".
- Hexhead screw 2-1/2" thru 4".
- Insulated throat connector rated 90°C.

Materials/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 -2) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 -2) E14895, E14815
- NEMA: FB-1



4050US – 4200US



4250US – 4400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------------|------------------|-------------------|------------------------------------|
| | Body Length | Maximum Diameter | Thread Length | | |
| 1/2 | 29.5 (1.16) | 25.4 (1.00) | 9.7 (0.38) | 4050US | 4050UST |
| 3/4 | 31.0 (1.22) | 31.0 (1.22) | 10.4 (0.41) | 4075US | 4075UST |
| 1 | 38.1 (1.50) | 38.1 (1.50) | 11.2 (0.44) | 4100US | 4100UST |
| 1-1/4 | 42.9 (1.69) | 48.5 (1.91) | 12.7 (0.50) | 4125US | 4125UST |
| 1-1/2 | 48.5 (1.91) | 54.9 (2.16) | 13.5 (0.53) | 4150US | 4150UST |
| 2 | 50.8 (2.00) | 67.9 (2.66) | 15.0 (0.59) | 4200US | 4200UST |
| 2 - 1/2 | 66.8 (2.63) | 95.3 (3.75) | 31.8 (1.25) | 4250US | 4250UST |
| 3 | 77.7 (3.06) | 115.8 (4.56) | 35.1 (1.38) | 4300US | 4300UST |
| 3 - 1/2 | 77.7 (3.06) | 144.5 (5.69) | 35.8 (1.41) | 4350US | 4350UST |
| 4 | 84.8 (3.34) | 145.3 (5.72) | 38.1 (1.50) | 4400US | 4400UST |

ETP Steel EMT Set Screw Couplings

5000S Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Three-way combination screws 1/2" thru 1".
- Slotted hexhead screw 1-1/4" thru 4".

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 2) E14895, E14815
- UL Listed: (2-1/2 - 4) E11853, E14814
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14895, E14815
- CSA Certified: 028507
- NEMA: FB-1



5050S — 5100S



5125S — 5400S

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|------------------|------------------------|----------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 44.5 (1.75) | 21.3 (0.84) | 4.54 (10.00) | 5050S |
| 3/4 | 54.1 (2.13) | 27.4 (1.08) | 7.26 (16.00) | 5075S |
| 1 | 63.5 (2.50) | 33.3 (1.31) | 1.34 (25.00) | 5100S |
| 1-1/4 | 82.6 (3.25) | 42.9 (1.69) | 0.41 (45.00) | 5125S |
| 1-1/2 | 95.3 (3.75) | 49.3 (1.94) | 7.22 (60.00) | 5150S |
| 2 | 101.6 (4.00) | 60.5 (2.38) | 7.19 (82.00) | 5200S |
| 2 - 1/2 | 108.0 (4.25) | 79.5 (3.13) | 5.30 (166.0) | 5250S |
| 3 | 114.3 (4.50) | 95.3 (3.75) | 6.62 (213.0) | 5300S |
| 3 - 1/2 | 120.7 (4.75) | 108.0 (4.25) | 7.93 (260.0) | 5350S |
| 4 | 127.0 (5.00) | 120.7 (4.75) | 6.08 (300.0) | 5400S |

5000US Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Made in the U.S.A.
- Heavy steel walls.
- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Three-way combination screws 1/2" thru 2".
- Hexhead screws 2-1/2" thru 4".

Material/Finish

- Steel/zinc plated 1/2" thru 2"
- Malleable Iron 2-1/2" thru 4"

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 2) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 - 2) E14815
- NEMA: FB-1



5050US — 5100US



5125US — 5400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|------------------|------------------------|----------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 38.1 (1.50) | 22.4 (0.88) | | 5050US |
| 3/4 | 38.1 (1.50) | 28.7 (1.13) | | 5075US |
| 1 | 47.8 (1.88) | 35.8 (1.41) | | 5100US |
| 1-1/4 | 55.6 (2.19) | 44.5 (1.75) | | 5125US |
| 1-1/2 | 65.8 (2.59) | 51.6 (2.03) | | 5150US |
| 2 | 68.3 (2.69) | 63.5 (2.50) | | 5200US |
| 2 - 1/2 | 69.9 (2.75) | 00.1 (3.94) | | 5250US |
| 3 | 79.5 (3.13) | 15.8 (4.56) | | 5300US |
| 3 - 1/2 | 80.3 (3.16) | 28.5 (5.06) | | 5350US |
| 4 | 85.9 (3.38) | 45.3 (5.72) | | 5400US |

ETP Steel EMT Compression Couplings

6000S Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Concretetight.
- Raintight (wet locations) Canada.

Material/Finish

- Body and nut: steel.
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895
- cUL Listed: E14895, E14815
- CSA Certified: 009795
- NEMA: FB-1



6050S – 6400S

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 35.1 (1.38) | 21.3 (0.84) | 8.62 (19.00) | 6050S |
| 3/4 | 38.1 (1.50) | 35.1 (1.38) | 11.34 (25.00) | 6075S |
| 1 | 42.2 (1.66) | 33.3 (1.31) | 17.69 (39.00) | 6100S |
| 1-1/4 | 63.5 (2.50) | 42.9 (1.69) | 39.92 (88.00) | 6125S |
| 1-1/2 | 63.5 (2.50) | 49.3 (1.94) | 47.17 (104.00) | 6150S |
| 2 | 63.5 (2.50) | 60.5 (2.38) | 67.59 (149.00) | 6200S |
| 2 - 1/2 [Ⓢ] | 108.0 (4.25) | 79.5 (3.13) | 108.86 (240.00) | 6250S |
| 3 [Ⓢ] | 114.3 (4.50) | 95.3 (3.75) | 158.76 (350.00) | 6300S |
| 3 - 1/2 [Ⓢ] | 120.7 (4.75) | 108.0 (4.25) | 215.46 (475.00) | 6350S |
| 4 | 127.0 (5.00) | 120.7 (4.75) | 272.16 (600.00) | 6400S |

[Ⓢ] Rated for steel EMT, aluminum and steel RMC, and steel IMC.

6000US Series Couplings

Application

- To ground and secure EMT raceway sections together.

Features

- Made in the U.S.A.
- Concretetight.
- Raintight (wet locations) Canada.

Material/Finish

- Body and nut: steel.
- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: (1/2 - 3) E14815
- CSA Standard: C22.2 No. 18.3
- cUL Listed: (1/2 - 3) E14815
- NEMA: FB-1



6050US — 6200US



6250US — 6400US

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|---------------------|---------------------------|-------------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 34.0 (1.34) | 0.97 (24.6) | | 6050US |
| 3/4 | 34.0 (1.34) | 31.0 (1.22) | | 6075US |
| 1 | 35.8 (1.41) | 38.1 (1.50) | | 6100US |
| 1-1/4 | 44.5 (1.75) | 48.5 (1.91) | | 6125US |
| 1-1/2 | 47.8 (1.88) | 54.9 (2.16) | | 6150US |
| 2 | 54.1 (2.13) | 68.3 (2.69) | | 6200US |
| 2 - 1/2 | 139.7 (5.50) | 104.9 (4.13) | | 6250US |
| 3 | 139.7 (5.50) | 119.1 (4.69) | | 6300US |
| 3 - 1/2 | 143.0 (5.63) | 135.6 (5.34) | | 6350US |
| 4 | 146.1 (5.75) | 149.4 (5.88) | | 6400US |

NEER Zinc Set Screw Connectors and Couplings

TC-500: Couplings

Application

- To join lengths of steel EMT for concretetight or dry location applications.

Features

- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Combination head set screws.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- TC-511, 512 and 513 are single set screw each end. TC-514, 515, 516, 517, 518, 519 and 520 are double set screw each end.



TC-511

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|------------------|------------------------|----------------|
| | Body Length | Maximum Diameter | Weight per 100 kg (lb) | |
| 1/2 | 38.1 (1.50) | 26.7 (1.05) | 8.62 (19.00) | TC-511 |
| 3/4 | 47.8 (1.88) | 31.5 (1.24) | 11.34 (25.00) | TC-512 |
| 1 | 50.8 (2.00) | 38.9 (1.53) | 17.69 (39.00) | TC-513 |
| 1-1/4 | 63.5 (2.50) | 50.3 (1.98) | 39.92 (88.00) | TC-514 |
| 1-1/2 | 72.9 (2.87) | 55.9 (2.20) | 47.17 (104.00) | TC-515 |
| 2 | 87.4 (3.44) | 68.3 (2.69) | 67.59 (149.00) | TC-516 |
| 2 - 1/2 | 101.9 (4.01) | 84.6 (3.33) | 108.86 (240.00) | TC-517 ① |
| 3 | 113.8 (4.48) | 101.1 (3.98) | 158.76 (350.00) | TC-518 ① |
| 3 - 1/2 | 125.2 (4.93) | 113.8 (4.48) | 215.46 (475.00) | TC-519 ① |
| 4 | 132.8 (5.23) | 126.5 (4.98) | 272.16 (600.00) | TC-520 ① |

① For EMT and threadless rigid metal conduit and IMC.

TC-500: Connectors

Application

- To secure and terminate steel EMT to knockouts in concretetight box or dry location applications.

Features

- Concretetight when taped.
- Pre-set/pre-staked set screws.
- Combination head set screws.
- Male hub threads — NPS.
- Available with insulated throat.
- Furnished with locknut.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- TC-501, 502 and 503 are single set screw. TC-504, 505, 506, 507, 508, 509 and 510 are double set screw. TCI-501, 502, and 503 are single set screw. TCI-504, 505, 506, 507, 508, 509 and 510 are double set screw.



TC-501

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number |
|---------------------|------------------------------------|------------------|---------------|------------------------|----------------|---------------------------------|
| | Body Length | Maximum Diameter | Thread Length | Weight per 100 kg (lb) | | |
| 1/2 | 29.2 (1.15) | 10.2 (0.40) | 26.7 (1.05) | 8.62 (19.00) | TC-501 | TCI-501 |
| 3/4 | 35.8 (1.41) | 11.7 (0.46) | 32.8 (1.29) | 11.34 (25.00) | TC-502 | TCI-502 |
| 1 | 39.6 (1.56) | 13.5 (0.53) | 38.4 (1.51) | 17.69 (39.00) | TC-503 | TCI-503 |
| 1-1/4 | 50.0 (1.97) | 15.7 (0.62) | 50.3 (1.98) | 39.92 (88.00) | TC-504 | TCI-504 |
| 1-1/2 | 56.1 (2.21) | 18.5 (0.73) | 55.9 (2.20) | 47.17 (104.00) | TC-505 | TCI-505 |
| 2 | 63.8 (2.51) | 19.3 (0.76) | 68.3 (2.69) | 67.59 (149.00) | TC-506 | TCI-506 |
| 2 - 1/2 | 78.7 (3.10) | 26.4 (1.04) | 84.6 (3.33) | 108.86 (240.00) | TC-507 ① | TCI-507 ① |
| 3 | 86.1 (3.39) | 26.9 (1.06) | 101.1 (3.98) | 158.76 (350.00) | TC-508 ① | TCI-508 ① |
| 3 - 1/2 | 90.4 (3.56) | 26.9 (1.06) | 113.8 (4.48) | 215.46 (475.00) | TC-509 ① | TCI-509 ① |
| 4 | 96.0 (3.78) | 28.2 (1.11) | 126.5 (4.98) | 272.16 (600.00) | TC-510 ① | TCI-510 ① |

NEER Zinc Gland Compression Connectors and Couplings

For EMT.

TC-600: Couplings

Application

- To join lengths of steel EMT for concretetight, dry or damp location applications.

Features

- Concretetight.
- Raintight (wet locations) Canada.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



TC-611

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|---------------------|--|-------------------|
| | Body Length | Maximum Diameter | | |
| 1/2 | 43.2 (1.70) | 24.9 (0.98) | | TC-611 |
| 3/4 | 45.2 (1.78) | 30.7 (1.21) | | TC-612 |
| 1 | 46.2 (1.82) | 38.6 (1.52) | | TC-613 |
| 1-1/4 | 53.8 (2.12) | 46.5 (1.83) | | TC-614 |
| 1-1/2 | 59.7 (2.35) | 54.1 (2.13) | | TC-615 |
| 2 | 62.7 (2.47) | 64.8 (2.55) | | TC-616 |
| 2 - 1/2 ① | 83.3 (3.28) | 83.8 (3.30) | | TC-617 ① |
| 3 ① | 85.1 (3.35) | 100.1 (3.94) | | TC-618 ① |
| 3 - 1/2 ① | 89.9 (3.54) | 126.2 (4.97) | | TC-619 ① |
| 4 | 89.9 (3.54) | 126.2 (4.97) | | TC-620 ① |

TC-600: Connectors

Application

- To secure and terminate steel EMT to knockouts in concretetight box, dry or damp location applications.

Features

- Male hub threads — NPS.
- Concretetight.
- Available with insulated throat.
- Furnished with locknut.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



TC-601

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number |
|---------------------------|------------------------------------|---------------------|------------------|--|-------------------|--|
| | Body Length | Maximum Diameter | Thread Length | | | |
| 1/2 | 32.0 (1.26) | 10.2 (0.40) | 24.9 (0.98) | | TC-601 | TCI-601 |
| 3/4 | 32.8 (1.29) | 10.2 (0.40) | 30.7 (1.21) | | TC-602 | TCI-602 |
| 1 | 36.6 (1.44) | 10.9 (0.43) | 38.6 (1.52) | | TC-603 | TCI-603 |
| 1-1/4 | 44.2 (1.74) | 16.0 (0.63) | 46.5 (1.83) | | TC-604 | TCI-604 |
| 1-1/2 | 47.2 (1.86) | 16.5 (0.65) | 54.1 (2.13) | | TC-605 | TCI-605 |
| 2 | 54.6 (2.15) | 18.5 (0.73) | 64.8 (2.55) | | TC-606 | TCI-606 |
| 2 - 1/2 ① | 66.5 (2.62) | 23.1 (0.91) | 83.8 (3.30) | | TC-607 ① | TCI-607 ① |
| 3 ① | 68.3 (2.69) | 24.4 (0.96) | 100.1 (3.94) | | TC-608 ① | TCI-608 ① |
| 3 - 1/2 ① | 72.1 (2.84) | 24.4 (0.96) | 126.2 (4.97) | | TC-609 ① | TCI-609 ① |
| 4 | 72.1 (2.84) | 24.4 (0.96) | 126.2 (4.97) | | TC-610 ① | TCI-610 ① |

① For EMT and threadless rigid metal conduit and IMC.

NEER Zinc TWL 90° Gland Compression Connectors

For EMT.

Application

- Compression type 90° EMT connectors used to terminate EMT to an unthreaded box or enclosure.

Features

- Concretetight.
- Furnished with locknut.
- Raintight (wet locations) Canada.

Material/Finish

- Zinc die cast

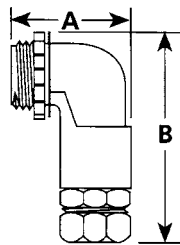
Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



TWL-50

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 1/2 | 46.7 (1.84) | 58.9 (2.32) | TWL-50 |
| 3/4 | 52.6 (2.07) | 66.5 (2.62) | TWL-75 |



NEER Zinc 90° Corner Pulling Elbows

For EMT.

THL: 90° Female/Female

Application

- 90° corner pulling elbows are used to facilitate pulling conductors through a sharp bend in a run of EMT. The removable cover gives ample access so that wire pulling can be achieved without any obstructions.

Material/Finish

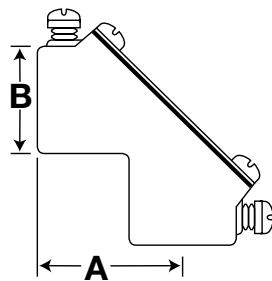
- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18.3
- NEMA: FB-1



THL-500



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 33.3 (1.31) | 23.6 (0.93) | THL-500 |
| 1/2 | 33.3 (1.31) | 23.6 (0.93) | THL-500G ① |
| 3/4 | 35.6 (1.40) | 30.0 (1.18) | THL-750 |
| 3/4 | 35.6 (1.40) | 30.0 (1.18) | THL-750G ① |

CPL: 90° Set Screw

Application

- 90° corner pulling elbows are used to facilitate pulling conductors through a sharp bend in a run of EMT. These products are used where it is essential to make tight turns within limited space.

Material/Finish

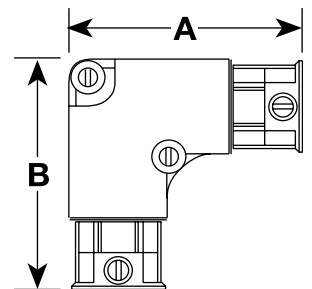
- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18.3
- NEMA: FB-1



CPL-50



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 58.4 (2.30) | 58.4 (2.30) | CPL-50 |
| 1/2 | 66.3 (2.61) | 66.3 (2.61) | CPL-75 |

① Provided with neoprene gasket.

NEER Zinc Combination Couplings

For EMT.

EGC: Screw-In Compression

Application

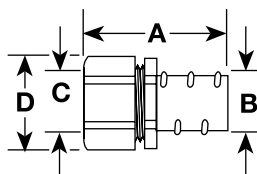
- A combination coupling to provide a transition from EMT to flexible metal conduit.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



EGC-50

| Trade Size (Inches) EMT to Flex. | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|--|------------------------------------|----------------|----------------|----------------|-------------------|
| | A | B | C | D | |
| 1/2 to 1/2 | 42.2 (1.66) | 18.0 (0.71) | 18.3 (0.72) | 25.4 (1.00) | EGC-50 |
| 3/4 to 3/4 | 42.7 (1.68) | 23.4 (0.92) | 23.4 (0.92) | 30.0 (1.18) | EGC-75 |

EFC: EMT to Set Screw

Application

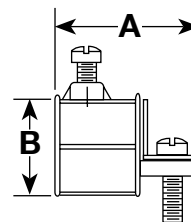
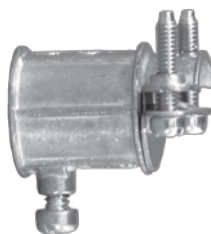
- EFC-50
 - A combination coupling to provide a transition from EMT to 14/2 NM cable. Not for use with flexible metal conduit.
- EFC-75 and EFC-100
 - A combination coupling to provide a transition from EMT to flexible metal conduit.

Material/Finish

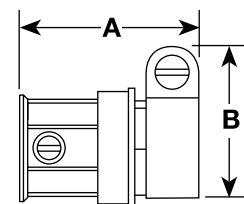
- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



EFC-50



EFC-75 and EFC-100

EFC-50

| Trade Size (Inches) EMT to Flex. | Dimensions in Millimeters (Inches) | | Catalog Number |
|--|------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 33.8 (1.33) | 23.6 (0.93) | EFC-50 |
| 1/2 to 1/2 | 41.1 (1.62) | 34.3 (1.35) | EFC-75 |
| 3/4 to 3/4 | 49.8 (1.96) | 40.6 (1.60) | EFC-100 |

NEER Zinc TN Offset Set Screw Nipples

For EMT.

Application

- Set screw type offset connectors are used to make a slight adjustment in terminating the end of a run of EMT to an enclosure or box.

Features

- Male hub threads — NPS.
- Concretetight when taped.
- Furnished with locknut.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E35001
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 1/2 | 53.3 (2.10) | 23.6 (0.93) | TN-50 |

NEER EMT Straps

For EMT.

1901 and 1807: One Hole Click-On

Application

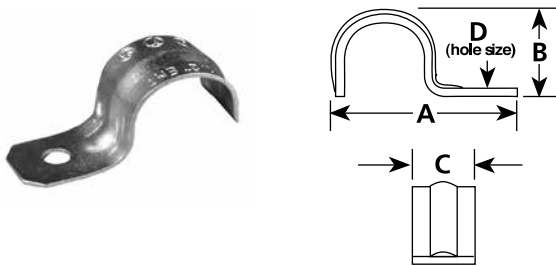
- Click-on type one hole straps for EMT provides support for conduit, as required by the National Electrical Code.

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: 2239
- 1901 through 1906
UL Listed: E333806
- CSA Standard: C22.2 18.4
- 1901 through 1903
cUL Listed: E333806



1901

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|---------------------|------------------------------------|--------------|-------------|-------------|----------------|
| | A | B | C | D | |
| 1/2 | 41.7 (1.64) | 20.3 (0.80) | 14.5 (0.57) | 7.1 (0.28) | 1901 |
| 3/4 | 49.8 (1.96) | 24.9 (0.98) | 16.0 (0.63) | 7.1 (0.28) | 1902 |
| 1 | 56.4 (2.22) | 28.7 (1.13) | 19.1 (0.75) | 7.1 (0.28) | 1903 |
| 1-1/4 | 72.6 (2.86) | 38.1 (1.50) | 22.1 (0.87) | 9.7 (0.38) | 1904 |
| 1-1/2 | 79.8 (3.14) | 44.5 (1.75) | 25.1 (0.99) | 9.7 (0.38) | 1905 |
| 2 | 98.8 (3.89) | 50.8 (2.00) | 28.2 (1.11) | 11.2 (0.44) | 1906 |
| 2-1/2 | 126.7 (4.99) | 72.4 (2.85) | 31.5 (1.24) | 13.5 (0.53) | 1807 |
| 3 | 141.0 (5.55) | 88.1 (3.47) | 31.8 (1.25) | 13.5 (0.53) | 1808 |
| 3-1/2 | 158.8 (6.25) | 104.1 (4.10) | 31.8 (1.25) | 13.5 (0.53) | 1809 |
| 4 | 177.8 (7.00) | 114.6 (4.51) | 32.0 (1.26) | 13.5 (0.53) | 1810 |

TH-1901 and TH-1807: Two Hole Snap-On

Application

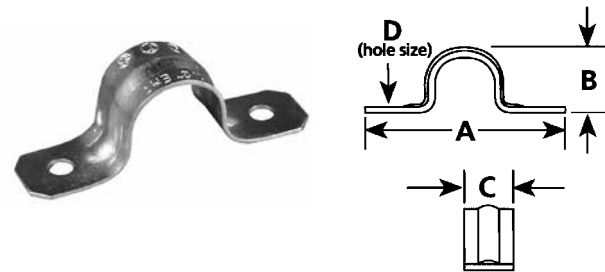
- Snap-on type two hole straps for EMT are used where higher load bearing supports are desired.

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- TH-1901 through TH-1905
UL Standard: 2239
UL Listed: E333806
CSA Standard: C22.2 18.4
cUL Listed: E333806



TH-1901

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|---------------------|------------------------------------|--------------|-------------|-------------|----------------|
| | A | B | C | D | |
| 1/2 | 55.1 (2.17) | 18.3 (0.72) | 14.2 (0.56) | 4.8 (0.19) | TH-1901 |
| 3/4 | 68.8 (2.71) | 23.1 (0.91) | 15.5 (0.61) | 4.8 (0.19) | TH-1902 |
| 1 | 78.7 (3.10) | 28.4 (1.12) | 17.3 (0.68) | 4.8 (0.19) | TH-1903 |
| 1-1/4 | 94.0 (3.70) | 36.6 (1.44) | 18.8 (0.74) | 6.4 (0.25) | TH-1904 |
| 1-1/2 | 107.7 (4.24) | 42.4 (1.67) | 22.1 (0.87) | 6.4 (0.25) | TH-1905 |
| 2 | 122.7 (4.83) | 54.1 (2.13) | 25.4 (1.00) | 9.7 (0.38) | TH-1906 |
| 2-1/2 | 151.9 (5.98) | 72.9 (2.87) | 24.9 (0.98) | 9.7 (0.38) | TH-1807 |
| 3 | 161.8 (6.37) | 90.4 (3.56) | 25.1 (0.99) | 9.7 (0.38) | TH-1808 |
| 3-1/2 | 187.2 (7.37) | 102.9 (4.05) | 25.4 (1.00) | 11.2 (0.44) | TH-1809 |
| 4 | 206.2 (8.12) | 114.6 (4.51) | 25.4 (1.00) | 11.2 (0.44) | TH-1810 |

EMT Couplings, 90° Connectors and Caps/Heads

Application

- Couplings are used to join lengths of steel EMT to various raceway systems.
- Connectors are used to secure and terminate steel EMT to knockouts and concrete tight box.

Features


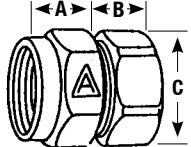

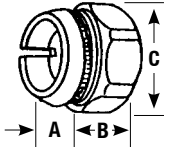
- Compact design.
- No locknut required on the two piece connectors.
- Quick installations.

Material


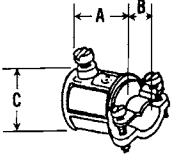

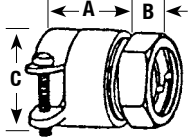

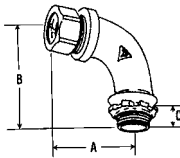

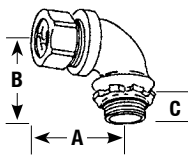

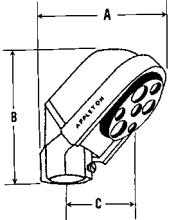
- Steel, zinc diecast or malleable iron

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14895 (TWLL), E14814 (TWCC)
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | |
|---|---------------------|------------------------------------|-------------|-------------|------------------------|----------------|---|
| | | A | B | C | | | |
| Combination Couplings – EMT to Rigid Metal Conduit – Steel | | | | | | | |
|  | 1/2 | 17.5 (0.69) | 12.7 (0.50) | 25.4 (1.00) | 4.54 (10.00) | TWR-50 |  |
| | 3/4 | 17.5 (0.69) | 13.5 (0.53) | 32.5 (1.28) | 6.80 (15.00) | TWR-75 | |
| | 1 | 22.4 (0.88) | 13.5 (0.53) | 40.4 (1.59) | 7.71 (17.00) | TWR-100 | |
| | 1-1/4 | 24.6 (0.97) | 21.3 (0.84) | 49.3 (1.94) | 18.14 (40.00) | TWR-125 | |
| Connectors – Two Piece – Concrete Tight – Steel | | | | | | | |
|  | 1/2 | 7.9 (0.31) | 8.6 (0.34) | 26.9 (1.06) | 2.72 (6.00) | 92T050 |  |
| | 3/4 | 7.9 (0.31) | 11.2 (0.44) | 32.5 (1.28) | 3.99 (8.80) | 92T075 | |
| | 1 | 8.6 (0.34) | 10.4 (0.41) | 41.4 (1.63) | 5.90 (13.00) | 92T100 | |

EMT Couplings, 90° Connectors and Caps/Heads

| | Trade Size (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | |
|--|---------------------|--------------------------------------|------------------------------------|-----------------|-----------------|------------------------|----------------|---|
| | | | A | B | C | | | |
| Combination Coupling – EMT to Flexible Metal Conduit – Zinc Diecast | | | | | | | | |
|  | 1/2 | - | 32.5 (1.28) | 31.8 (1.25) | 23.9 (0.94) | 3.40 (7.50) | TW38-50DC ① |  |
| Combination Coupling – EMT to Flexible Metal Conduit – Malleable Body/Nut | | | | | | | | |
|  | 1/2 | - | 21.3 (0.84) | 16.0 (0.63) | 26.9 (1.06) | 5.44 (12.00) | TWCC38-50 ① |  |
| | 1/2 | - | 22.4 (0.88) | 16.0 (0.63) | 26.9 (1.06) | 6.58 (14.50) | TWCC-50 | |
| | 3/4 | - | 26.9 (1.06) | 16.8 (0.66) | 33.3 (1.31) | 11.34 (25.00) | TWCC-75 | |
| | 1 | - | 30.2 (1.19) | 21.3 (0.84) | 47.8 (1.88) | 27.67 (61.00) | TWCC-100 | |
| Gland Compression 90° Long Connectors – Concrete Tight – Malleable/Steel Nut | | | | | | | | |
|  | 1/2 | - | 47.8 (1.88) | 52.3 (2.06) | 15.0 (0.59) | 14.51 (32.00) | TWLL-50L |  |
| | 3/4 | - | 55.6 (2.19) | 62.0 (2.44) | 11.2 (0.44) | 22.68 (50.00) | TWLL-75L | |
| | 1 | - | 65.8 (2.59) | 76.2 (3.00) | 11.2 (0.44) | 47.63 (105.00) | TWLL-100L | |
| | 1-1/4 | - | 71.4 (2.81) | 84.1 (3.31) | 14.2 (0.56) | 61.69 (136.00) | TWLL-125L | |
| Gland Compression 90° Short Connectors – Concrete Tight – Malleable/Steel Nut | | | | | | | | |
|  | 1/2 | - | 31.0 (1.22) | 33.3 (1.31) | 10.4 (0.41) | 9.07 (20.00) | TWL-50L |  |
| | 3/4 | - | 33.3 (1.31) | 36.6 (1.44) | 11.2 (0.44) | 13.61 (30.00) | TWL-75L | |
| | 1 | - | 41.4 (1.63) | 39.6 (1.56) | 11.2 (0.44) | 24.04 (53.00) | TWL-100L | |
| Set Screw Entrance Caps – Exclusive “Snap-On” Cover – Malleable Iron | | | | | | | | |
|  | 1-1/4 | (3) 5/8” and (2) 13/32 | 109.5 (4.31) | 73.2 (2.88) | 92.2 (3.63) | 29.03 (64.00) | EF-125 |  |
| | 1-1/2 | (3) 25/32”, (2) 9/16” and (1) 3/8 | 127.0 (5.00) | 84.1 (3.31) | 110.2 (4.34) | 42.18 (93.00) | EF-150 | |
| | 2 | (3) 1”, (2) 3/4 and (3) 17/32 | 161.0 (6.34) | 114.3 (4.50) | 141.2 (5.56) | 83.01 (183.00) | EF-200 | |
| | 2-1/2 | (3) 7/8”, (1) 1” and (3) 1-5/16 | 228.6 (9.00) | 158.8 (6.25) | 196.9 (7.75) | 158.76 (350.00) | EF-250 | |

① Not UL Listed

EMT Adapters, Clamps and Straps

Applications

- Adaptors are used to connect non-threaded fittings to threaded fittings.
- Clamps and straps are used to secure oval/round cables or support runs of rigid metal conduit, IMC and EMT.

Material

- Steel or malleable iron

Features

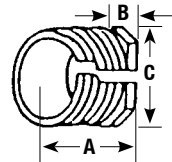
- Malleable iron clamps are exceptional rugged and strong.
- Steel clamps and adaptors offer economy and have integral formed gussets for excellent strength.

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------------------|---|---|---|------------------------|----------------|
| | A | B | C | D | | |

No-Thread to Threaded Fittings – Conversion Adapters – Steel



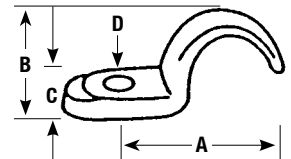
| | | | | | | |
|-------|----------------|---------------|----------------|---|-----------------|----------|
| 1/2 | 11.2 (0.44) | 3.3 (0.13) | 25.4 (1.00) | - | 1.00 (2.20) | TWAD-50 |
| 3/4 | 12.7 (0.50) | 3.3 (0.13) | 36.6 (1.44) | - | 1.81 (4.00) | TWAD-75 |
| 1 | 6.0 (0.63) | 3.3 (0.13) | 38.1 (1.50) | - | 2.72 (6.00) | TWAD-100 |
| 1-1/4 | 19.1 (0.75) | 4.8 (0.19) | 50.8 (2.00) | - | 4.99 (11.00) | TWAD-125 |
| 1-1/2 | 19.1 (0.75) | 4.8 (0.19) | 57.2 (2.25) | - | 5.44 (12.00) | TWAD-150 |
| 2 | 19.1 (0.75) | 6.4 (0.25) | 71.4 (2.81) | - | 8.62 (19.00) | TWAD-200 |



Clamps – EMT – Malleable



| | | | | | | |
|-------|----------------|----------------|----------------|----------------|-----------------|------------|
| 1/2 | 26.9 (1.06) | 22.4 (0.88) | 16 (0.63) | 6.4 (0.25) | 2.27 (5.00) | TWCL-50MN |
| 3/4 | 30.2 (1.19) | 26.9 (1.06) | 19.1 (0.75) | 6.4 (0.25) | 2.72 (6.00) | TWCL-75MN |
| 1 | 35.1 (1.38) | 35.1 (1.38) | 20.6 (0.81) | 6.4 (0.25) | 4.54 (10.00) | TWCL-100MN |
| 1-1/4 | 41.4 (1.63) | 44.5 (1.75) | 22.4 (0.88) | 9.7 (0.38) | 5.90 (13.00) | TWCL-125MN |
| 1-1/2 | 46.0 (1.81) | 49.3 (1.94) | 23.9 (0.94) | 9.7 (0.38) | 6.80 (15.00) | TWCL-150MN |
| 2 | 58.7 (2.31) | 63.5 (2.50) | 26.9 (1.06) | 12.7 (0.50) | 9.07 (20.00) | TWCL-200MN |



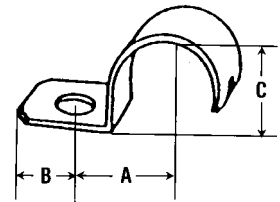
EMT Clamps and Straps

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------------------|---|---|------------------------|----------------|
| | A | B | C | | |

No-Thread to Threaded Fittings — Conversion Adapters — Steel



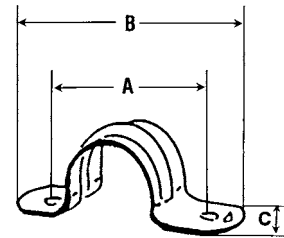
| | | | | | |
|-------|----------------|----------------|-----------------|------------------|-----------------|
| 1/2 | 23.9 (0.94) | 11.9 (0.47) | 17.5 (0.69) | 1.54 (3.40) | TWCL-50 |
| 3/4 | 26.2 (1.03) | 13.5 (0.53) | 23.1 (0.91) | 2.09 (4.60) | TWCL-75 |
| 1 | 29.5 (1.16) | 11.2 (0.44) | 28.7 (1.13) | 2.95 (6.50) | TWCL-100 |
| 1-1/4 | 4.0 (1.34) | 12.7 (0.50) | 54.1 (2.13) | 4.54 (10.00) | TWCL-125 |
| 1-1/2 | 42.9 (1.69) | 15 (0.59) | 79.5 (3.13) | 8.62 (19.00) | TWCL-150 |
| 2 | 46.7 (1.84) | 16 (0.63) | 104.9 (4.13) | 11.34 (25.00) | TWCL-200 |



Clamps — EMT — Malleable



| | | | | | |
|-------|----------------|-----------------|----------------|----------------|---------------|
| 1/2 | 38.1 (1.50) | 51.6 (2.03) | 16.0 (0.63) | 0.45 (1.00) | TW2500 |
| 3/4 | 44.5 (1.75) | 61.2 (2.41) | 16.0 (0.63) | 0.73 (1.60) | TW2750 |
| 1 | 53.1 (2.09) | 71.4 (2.81) | 16.0 (0.63) | 0.91 (2.00) | TW2100 |
| 1-1/4 | 65.8 (2.59) | 84.1 (3.31) | 19.1 (0.75) | 1.81 (4.00) | TW2125 |
| 1-1/2 | 68.3 (2.69) | 87.4 (3.44) | 19.1 (0.75) | 1.81 (4.00) | TW2150 |
| 2 | 88.9 (3.50) | 120.7 (4.75) | 23.9 (0.94) | 2.13 (4.70) | TW2200 |



Threaded Rigid and IMC Conduit Hubs

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

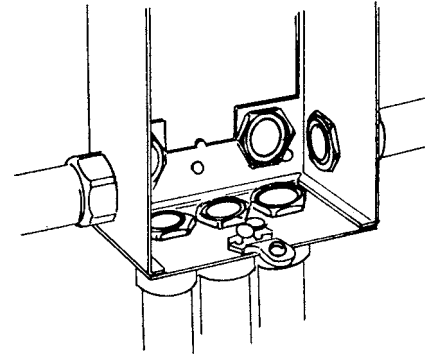
- Insulated throat form provides a more vibration resistant connection between threaded rigid conduit or IMC and enclosure.
- Provides threaded termination in sheet metal enclosures.
- Suitable for service entrance.
- General purpose fitting.

Features

- Appleton's Uni-Seal rigid conduit hubs eliminate the need for welded hubs. Efficiency of installation is built into the superior design; single wrench installation.
- Patented hex-hub wedge adapter fits nearly flush against the interior side walls of enclosures; provides maximum wiring room.
- Simple two piece construction.
- Protective insulated throats, positive grounding and watertight sealing action.
- Flame resistant insulated throat eliminates need for end bushings.
- Locking edge of body bites into enclosure wall, makes hub selflocking, eliminates the need for locknuts, provides continuous 360° pressure on both sides of enclosure wall, forms positive grounding and vibration-resistant connection.
- Built-in recessed gasket.

Material/Finish


- HUB50 thru HUB100: steel
- HUB125 thru HUB400 and HUB9050 thru HUB90100: malleable iron
- Gasket: neoprene

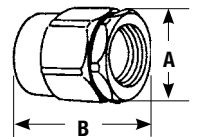


HUB-125

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

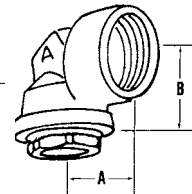
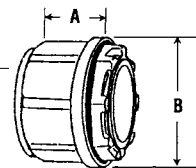
| | Trade Size (Inches) | Hole Diameter in Millimeters (Inches) | | Panel Thickness in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|---------------------------------------|-------------|---|------------|------------------------------------|-------------|------------------------|----------------|
| | | Max. | Min. | Max. | Min. | A | B | | |
| Straight – Steel | | | | | | | | | |
|  | 1/2 | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 27.4 (1.08) | 28.2 (1.11) | 7.26 (16.00) | HUB-50 |
| | | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| | 3/4 | 27.7 (1.09) | 29.5 (1.16) | 1.5 (0.06) | 2.0 (0.08) | 28.2 (1.11) | 35.1 (1.38) | 10.43 (23.00) | HUB-75 |
| | | | 31.0 (1.22) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| | 1 | 34.0 (1.34) | 35.8 (1.41) | 1.5 (0.06) | 2.0 (0.08) | 31.8 (1.25) | 43.7 (1.72) | 17.69 (39.00) | HUB-100 |
| | | | 37.3 (1.47) | 2.3 (0.09) | 6.4 (0.25) | | | | |



Threaded Rigid and IMC Conduit Hubs

NEC/CEC:
Suitable for use in Class I, Division 2

| Trade Size (Inches) | Hole Diameter in Millimeters (Inches) | | Panel Thickness in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|----------------------------------|---------------------------------------|-----------------|---|---------------|------------------------------------|-----------------|------------------------|------------------|
| | Max. | Min. | Max. | Min. | A | B | | |
| Straight – Malleable Iron | | | | | | | | |
| 1-1/4 | 42.9 (1.69) | 45.2 (1.78) | 1.5 (0.06) | 2.0 (0.08) | 45.7 (1.80) | 58.7 (2.31) | 34.93 (77.00) | HUB-125 |
| | | 46.7 (1.84) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 1-1/2 | 49.3 (1.94) | 51.6 (2.03) | 1.5 (0.06) | 2.0 (0.08) | 46.5 (1.83) | 66.8 (2.63) | 41.73 (92.00) | HUB-150 |
| | | 53.1 (2.09) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 2 | 60.7 (2.39) | 64.3 (2.53) | 1.5 (0.06) | 2.0 (0.08) | 47.8 (1.88) | 79.5 (3.13) | 60.78 (134.00) | HUB-200 |
| | | 65.8 (2.59) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 2-1/2 | 73.4 (2.89) | 76.7 (3.02) | 2.3 (0.09) | 7.9 (0.31) | 60.7 (2.39) | 92.2 (3.63) | 107.05 (236.00) | HUB-250 |
| 3 | 89.4 (3.52) | 92.5 (3.64) | 2.3 (0.09) | 7.9 (0.31) | 62.9 (2.48) | 25.4 (1.00) | 140.61 (310.00) | HUB-300 |
| 3-1/2 | 102.1 (4.02) | 104.9 (4.13) | 2.3 (0.09) | 7.9 (0.31) | 81.0 (3.19) | 122.2 (4.81) | 181.44 (400.00) | HUB-350 |
| 4 | 114.8 (4.52) | 117.6 (4.63) | 2.3 (0.09) | 7.9 (0.31) | 66.8 (2.63) | 138.2 (5.44) | 215.46 (475.00) | HUB-400 |
| 90° – Malleable Iron | | | | | | | | |
| 1/2 | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 32.5 (1.28) | 22.4 (0.88) | 16.33 (36.00) | HUB-9050 |
| | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 3/4 | 27.7 (1.09) | 29.5 (1.16) | 1.5 (0.06) | 2.0 (0.08) | 36.6 (1.44) | 23.9 (0.94) | 22.68 (50.00) | HUB-9075 |
| | | 31.0 (1.22) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1 | 34.0 (1.34) | 35.8 (1.41) | 1.5 (0.06) | 2.0 (0.08) | 41.4 (1.63) | 28.7 (1.13) | 34.02 (75.00) | HUB-90100 |
| | | 37.3 (1.47) | 2.3 (0.09) | 6.4 (0.25) | | | | |



Threaded Rigid and IMC Conduit Hubs With Bonding Screws

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- Provides threaded termination in sheet metal enclosures.
- Suitable for service entrance.
- General purpose fitting.

Features

- Bonding locknut.
- Insulated throat.
- Recessed neoprene O-ring to assure water and dust-tight connections.


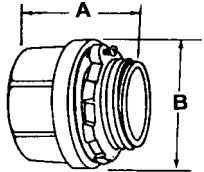
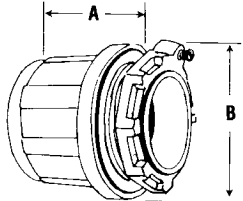
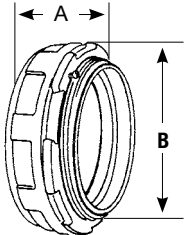
Material/Finish

- Body: 1/2 thru 1: steel, zinc electroplate; 1-1/4 thru 6: malleable iron, zinc electroplate, chromate, epoxy powder coat
- Wedge: 1-1/4 thru 4: malleable iron, zinc electroplate, chromate, epoxy powder coat
- Locknut: 1/2 thru 1, 5 thru 6: steel, zinc electroplate
- Screw: steel, zinc electroplate

- O-ring: neoprene
- Liners: nylon

Certifications and Complies

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number | | |
|---|---------------------|------------------------------------|-------------|------------------------|-----------------|---|---|
| | | A | B | | | | |
|  | 1/2 | 23.1 (0.91) | 33.3 (1.31) | 5.81 (12.80) | HUB-50B |  | |
| | 3/4 | 23.1 (0.91) | 39.6 (1.56) | 8.35 (18.40) | HUB-75B | | |
| | 1 | 24.6 (0.97) | 46.0 (1.81) | 14.15 (31.20) | HUB-100B | | |
| | | 1 - 1/4 | 28.7 (1.13) | 58.7 (2.31) | 26.94 (59.40) | HUB-125B |  |
| | | 1 - 1/2 | 28.7 (1.13) | 66.8 (2.63) | 33.38 (73.60) | HUB-150B | |
| | | 2 | 30.2 (1.19) | 79.5 (3.13) | 5.36 (100.00) | HUB-200B | |
| | | 2 - 1/2 | 41.4 (1.63) | 92.2 (3.63) | 83.64 (184.40) | HUB-250B | |
| | | 3 | 41.4 (1.63) | 109.5 (4.31) | 117.66 (259.40) | HUB-300B | |
| | | 3 - 1/2 | 44.5 (1.75) | 122.2 (4.81) | 143.15 (315.60) | HUB-350B | |
| | | 4 | 44.5 (1.75) | 138.2 (5.44) | 165.83 (365.60) | HUB-400B | |
| | | 5 | 51.6 (2.03) | 168.4 (6.63) | 317.51 (700.00) | HUB-500MB |  |
| | | 6 | 51.6 (2.03) | 195.3 (7.69) | 415.49 (916.00) | HUB-600MB | |

Watertight Hubs

Zinc Die Cast, Insulated and Gasketed

NEC/CEC:

Suitable for hazardous locations: Class I, Division 2; Class II, Divisions 1 and 2; Class III, per NEC 501.10(B)(4), 502.10(A)(1)(4), 502.10(B)(4), 503.10(A)(1).

Applications

- Used to connect rigid metal conduit or IMC to a threadless opening in an enclosure.
- May be used in wet or dry locations, indoors or outdoors.

Features

- Rugged metallic construction ensures mechanical protection.
- Insulated throat, rated up to +105 °C (+221 °F), prevents wire abrasion.
- Integral O-ring provides watertight seal.
- Grounding version provides positive ground for external conductor.
- Unique profile permits easy wrenching.
- Smooth, accurately tapped threads facilitate installation.
- Watertight and corrosion resistant.
- NEMA Types 2, 3, 3R, 4, 4X, 5, 12, 13

Material/Finish

- Bodies and nuts: zinc die cast
- O-ring: BUNA-N
- Insulator: polycarbonate
- Ground screw: mild steel

Certifications and Compliances

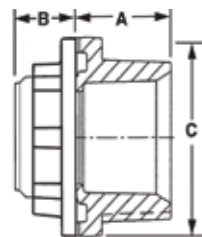
- UL Standard: ANSI/UL 514B
- UL Listed: E32539, E37337
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



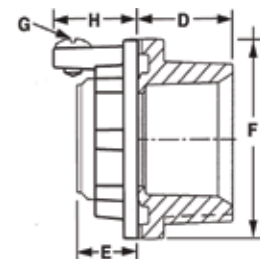
HUB



HUBG



HUB Series



HUBG Series

Hub Spacing

| Knockout Hole Size mm. (in.) | Trade Size (Inches) | Trade Size Dimensions in Inches | | | | | | | | | | |
|---------------------------------|------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| | | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3-1/2" | 4" | |
| 0.88 (22.35) | 1/2 | 33.6 (1.56) | | | | | | | | | | |
| 1.13 (33.0) | 3/4 | 42.9 (1.69) | 45.9 (1.81) | | | | | | | | | |
| 1.38 (35.1) | 1 | 46.7 (1.84) | 50.0 (1.97) | 54.1 (2.13) | | | | | | | | |
| 1.75 (44.45) | 1-1/4 | 51.6 (2.03) | 54.9 (2.16) | 58.7 (2.31) | 63.5 (2.50) | | | | | | | |
| 2.00 (50.8) | 1-1/2 | 56.4 (2.22) | 59.4 (2.34) | 63.5 (2.50) | 68.3 (2.69) | 73.1 (2.88) | | | | | | |
| 2.50 (63.5) | 2 | 62.7 (2.47) | 65.8 (2.59) | 69.9 (2.75) | 75.4 (2.97) | 79.5 (3.13) | 85.9 (3.38) | | | | | |
| 3.00 (76.2) | 2-1/2 | 69.1 (2.72) | 72.1 (2.84) | 76.2 (3.00) | 81.0 (3.19) | 85.9 (3.38) | 92.2 (3.63) | 98.6 (3.88) | | | | |
| 3.63 (92.2) | 3 | 76.5 (3.01) | 80.3 (3.16) | 84.1 (3.31) | 88.9 (3.50) | 93.7 (3.69) | 96.8 (3.81) | 114.0 (4.49) | 114.3 (4.50) | | | |
| 4.13 (104.9) | 3-1/2 | 84.8 (3.34) | 88.1 (3.47) | 92.2 (3.63) | 96.8 (3.81) | 101.6 (4.00) | 107.9 (4.25) | 114.3 (4.50) | 122.2 (4.81) | 130.3 (5.13) | | |
| 4.63 (117.6) | 4 | 91.2 (3.59) | 119.9 (4.72) | 98.6 (3.88) | 103.1 (4.06) | 107.9 (4.25) | 114.3 (4.50) | 120.7 (4.75) | 128.5 (5.06) | 136.7 (5.38) | 146.1 (5.75) | |

Dimensions in **bold** are for centers of conduits of same size, all other dimensions are for centers of conduits of a different size.

Watertight Hubs

Zinc Die Cast, Insulated and Gasketed

NEC/CEC:

Suitable for use in Class I, Division 2

Zinc Diecast Hubs — Insulated

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|-------------------------------|------------------------------------|-------------|--------------|-------------------|
| | Hole Diameter Min. – Max | Panel Thickness Min. – Max | A | B | C | |
| 1/2 | 21.8 – 23.1 (0.86 – 0.91) | 0.8 – 6.4 (0.03 – 0.25) | 21.3 (0.84) | 16.3 (0.64) | 36.6 (1.44) | HUB-50DN |
| 3/4 | 27.4 – 28.9 (1.08 – 1.14) | 0.8 – 6.4 (0.03 – 0.25) | 23.9 (0.94) | 16.3 (0.64) | 42.9 (1.69) | HUB-75DN |
| 1 | 33.8 – 35.8 (1.33 – 1.41) | 0.8 – 6.4 (0.03 – 0.25) | 26.2 (1.03) | 19.8 (0.78) | 50.8 (2.00) | HUB-100DN |
| 1-1/4 | 42.4 – 44.9 (1.67 – 1.77) | 0.8 – 6.4 (0.03 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 60.5 (2.38) | HUB-125DN |
| 1-1/2 | 48.8 – 51.3 (1.92 – 2.02) | 1.5 – 6.4 (0.06 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 69.9 (2.75) | HUB-150DN |
| 2 | 59.9 – 63.5 (2.36 – 2.50) | 1.5 – 6.4 (0.06 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 82.6 (3.25) | HUB-200DN |
| 2-1/2 | 72.6 – 76.2 (2.86 – 3.00) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 94.5 (3.72) | HUB-250DN |
| 3 | 88.4 – 92.2 (3.48 – 3.63) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 111.3 (4.38) | HUB-300DN |
| 3-1/2 | 101.1 – 105.7 (3.98 – 4.16) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 125.5 (4.94) | HUB-350DN |
| 4 | 113.8 – 118.6 (4.48 – 4.67) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 138.9 (5.47) | HUB-400DN |

Grounding Style Hubs — Insulated

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|------------------------|------------------------------------|-------------------------------|------------------------------------|-------------|--------------|------------|-------------|-------------------|
| | Hole Diameter Min. – Max | Panel Thickness Min. – Max | D | E | F | G | H | |
| 1/2 | 21.8 – 23.1 (0.86 – 0.91) | 0.8 – 6.4 (0.03 – 0.25) | 21.3 (0.84) | 16.3 (0.64) | 36.6 (1.44) | 10–32x1/4 | 17.5 (0.69) | HUBG-50DN |
| 3/4 | 27.4 – 28.9 (1.08 – 1.14) | 0.8 – 6.4 (0.03 – 0.25) | 23.9 (0.94) | 16.3 (0.64) | 42.9 (1.69) | 10–32x1/4 | 19.8 (0.78) | HUBG-75DN |
| 1 | 33.8 – 35.8 (1.33 – 1.41) | 0.8 – 6.4 (0.03 – 0.25) | 26.2 (1.03) | 19.8 (0.78) | 50.8 (2.00) | 10–32x1/4 | 19.8 (0.78) | HUBG-100DN |
| 1-1/4 | 42.4 – 44.9 (1.67 – 1.77) | 0.8 – 6.4 (0.03 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 60.5 (2.38) | 1/4–20x3/8 | 20.6 (0.81) | HUBG-125DN |
| 1-1/2 | 48.8 – 51.3 (1.92 – 2.02) | 1.5 – 6.4 (0.06 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 69.9 (2.75) | 1/4–20x3/8 | 25.4 (1.00) | HUBG-150DN |
| 2 | 59.9 – 63.5 (2.36 – 2.50) | 1.5 – 6.4 (0.06 – 0.25) | 28.4 (1.12) | 19.8 (0.78) | 82.6 (3.25) | 1/4–20x1/2 | 25.4 (1.00) | HUBG-200DN |
| 2-1/2 | 72.6 – 76.2 (2.86 – 3.00) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 94.5 (3.72) | 1/4–20x1/2 | 31.8 (1.25) | HUBG-250DN |
| 3 | 88.4 – 92.2 (3.48 – 3.63) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 111.3 (4.38) | 1/4–20x1/2 | 31.8 (1.25) | HUBG-300DN |
| 3-1/2 | 101.1 – 105.7 (3.98 – 4.16) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 125.5 (4.94) | 1/4–20x1/2 | 33.3 (1.31) | HUBG-350DN |
| 4 | 113.8 – 118.6 (4.48 – 4.67) | 1.5 – 7.9 (0.06 – 0.31) | 39.6 (1.56) | 26.9 (1.06) | 138.9 (5.47) | 1/4–20x1/2 | 33.3 (1.31) | HUBG-400DN |

Watertight Hubs

Aluminum Die Cast, Insulated and Gasketed

NEC/CEC:

Suitable for hazardous locations: Class I, Division 2; Class II, Divisions 1 and 2; Class III, per NEC 501.10(B)(4), 502.10(A)(1)(4), 502.10(B)(4), 503.10(A)(1).

Applications

- Used to connect rigid metal conduit or IMC to a threadless opening in an enclosure.
- May be used in wet or dry locations, indoors or outdoors.

Features

- Rugged metallic construction ensures mechanical protection.
- Insulated throat, rated up to +105 °C (+221 °F), prevents wire abrasion.
- Integral O-ring provides watertight seal.
- HUBG provides lug for grounding conductor.
- Unique profile permits easy wrenching.
- Smooth, accurately tapped threads facilitate installation.
- Watertight and corrosion resistant.
- NEMA Types 2, 3, 3R, 4, 4X, 5, 12, 13

Material/Finish

- Bodies and nuts: copper-free aluminum die cast
- O-ring: BUNA-N
- Insulator: polypropylene
- Ground screw: stainless steel

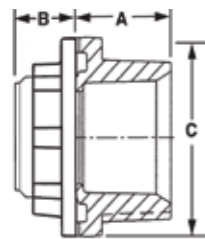
Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E24264
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

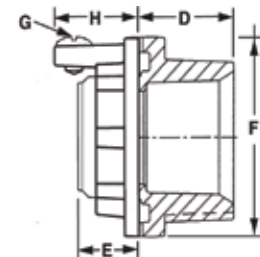


HUB

HUBG



HUB Series



HUBG Series

Hub Spacing

| Knockout Hole Size mm (in) | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | | | | | |
|-------------------------------|------------------------|------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| | | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3-1/2" | 4" | |
| 22.4 (.88) | 1/2 | 39.6 (1.56) | | | | | | | | | | |
| 28.7 (1.13) | 3/4 | 42.9 (1.69) | 46.0 (1.81) | | | | | | | | | |
| 35.1 (1.38) | 1 | 46.7 (1.84) | 50.5 (1.99) | 54.1 (2.13) | | | | | | | | |
| 44.5 (1.75) | 1-1/4 | 51.6 (2.03) | 54.9 (2.16) | 58.7 (2.31) | 63.5 (2.50) | | | | | | | |
| 50.8 (2.0) | 1-1/2 | 56.4 (2.22) | 59.4 (2.34) | 63.5 (2.50) | 68.3 (2.69) | 73.2 (2.88) | | | | | | |
| 63.5 (2.5) | 2 | 62.7 (2.47) | 65.8 (2.59) | 69.9 (2.75) | 74.7 (2.94) | 79.5 (3.13) | 85.9 (3.38) | | | | | |
| 75.4 (2.97) | 2-1/2 | 69.1 (2.7) | 72.1 (2.8) | 76.2 (3.00) | 81.3 (3.20) | 85.9 (3.38) | 92.2 (3.63) | 98.0 (3.86) | | | | |
| 91.2 (3.59) | 3 | 77.0 (3.03) | 80.3 (3.16) | 84.6 (3.33) | 88.9 (3.50) | 92.0 (3.61) | 97.3 (3.83) | 106.4 (4.19) | 114.3 (4.50) | | | |
| 104.9 (4.13) | 3-1/2 | 84.8 (3.34) | 88.1 (3.47) | 92.2 (3.63) | 98.3 (3.87) | 101.6 (4.00) | 108.0 (4.25) | 114.3 (4.50) | 122.2 (4.81) | 130.3 (5.13) | | |
| 117.9 (4.64) | 4 | 91.2 (3.59) | 94.5 (3.72) | 98.0 (3.86) | 103.4 (4.07) | 108.0 (4.25) | 114.3 (4.50) | 120.7 (4.75) | 128.8 (5.07) | 136.1 (5.36) | 146.1 (5.75) | |

Dimensions in **bold** are for centers of conduits of same size, all other dimensions are for centers of conduits of a different size.

Watertight Hubs

Aluminum Die Cast, Insulated and Gasketed

NEC/CEC:

Suitable for hazardous locations: Class I, Division 2; Class II, Divisions 1 and 2; Class III, per NEC 501.10(B)(4), 502.10(A)(1)(4), 502.10(B)(4), 503.10(A)(1).

Aluminum Die cast Hubs — Insulated

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|----------------------------|------------------------------------|-------------|--------------|----------------|
| | Hole Diameter Min. – Max | Panel Thickness Min. – Max | A | B | C | |
| 1/2 | 21.8 – 23.1 (0.86 – 0.91) | 0.8 – 6.4 (0.03 – 0.25) | 21.1 (0.83) | 14.5 (0.57) | 36.6 (1.44) | HUB-50A |
| 3/4 | 27.4 – 28.9 (1.08 – 1.14) | 0.8 – 6.4 (0.03 – 0.25) | 22.9 (0.90) | 15.0 (0.59) | 42.4 (1.67) | HUB-75A |
| 1 | 33.8 – 35.8 (1.33 – 1.41) | 0.8 – 6.4 (0.03 – 0.25) | 26.9 (1.06) | 17.0 (0.67) | 50.5 (1.99) | HUB-100A |
| 1-1/4 | 42.4 – 44.9 (1.67 – 1.77) | 0.8 – 6.4 (0.03 – 0.25) | 25.9 (1.02) | 17.5 (0.69) | 59.9 (2.36) | HUB-125A |
| 1-1/2 | 48.8 – 51.3 (1.92 – 2.02) | 1.5 – 6.4 (0.06 – 0.25) | 25.9 (1.02) | 17.5 (0.69) | 69.6 (2.74) | HUB-150A |
| 2 | 59.9 – 63.5 (2.36 – 2.50) | 1.5 – 6.4 (0.06 – 0.25) | 27.4 (1.08) | 16.8 (0.66) | 82.0 (3.23) | HUB-200A |
| 2-1/2 | 74.7 – 76.2 (2.94 – 3.00) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 93.6 (3.69) | HUB-250A |
| 3 | 90.4 – 92.2 (3.56 – 3.63) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 110.8 (4.36) | HUB-300A |
| 3-1/2 | 103.1 – 105.7 (4.06 – 4.16) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 126.0 (4.96) | HUB-350A |
| 4 | 115.8 – 118.6 (4.56 – 4.67) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 138.5 (5.45) | HUB-400A |

Grounding Style Hubs — Insulated

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|---------------------|------------------------------------|----------------------------|------------------------------------|-------------|--------------|--------------|--------------|----------------|
| | Hole Diameter Min. – Max | Panel Thickness Min. – Max | D | E | F | G | H | |
| 1/2 | 21.8 – 23.1 (0.86 – 0.91) | 0.8 – 6.4 (0.03 – 0.25) | 21.1 (0.83) | 14.5 (0.57) | 36.6 (1.44) | 10-32x0.3 | 14.99 (0.59) | HUBG-50A |
| 3/4 | 27.4 – 28.9 (1.08 – 1.14) | 0.8 – 6.4 (0.03 – 0.25) | 22.9 (0.90) | 15.0 (0.59) | 42.4 (1.67) | 10-32x0.3 | 14.99 (0.59) | HUBG-75A |
| 1 | 33.8 – 35.8 (1.33 – 1.41) | 0.8 – 6.4 (0.03 – 0.25) | 26.9 (1.06) | 17.0 (0.67) | 50.5 (1.99) | 10-32x0.3 | 16.00 (0.63) | HUBG-100A |
| 1-1/4 | 42.4 – 44.9 (1.67 – 1.77) | 0.8 – 6.4 (0.03 – 0.25) | 25.9 (1.02) | 17.5 (0.69) | 59.9 (2.36) | 1/4-20x0.333 | 17.5 (0.69) | HUBG-125A |
| 1-1/2 | 48.8 – 51.3 (1.92 – 2.02) | 1.5 – 6.4 (0.06 – 0.25) | 25.9 (1.02) | 17.5 (0.69) | 69.6 (2.74) | 1/4-20x0.333 | 20.6 (0.81) | HUBG-150A |
| 2 | 59.9 – 63.5 (2.36 – 2.50) | 1.5 – 6.4 (0.06 – 0.25) | 27.4 (1.08) | 16.8 (0.66) | 82.0 (3.23) | 1/4-20x0.333 | 20.6 (0.81) | HUBG-200A |
| 2-1/2 | 74.68 – 76.2 (2.94 – 3.00) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 93.6 (3.69) | 1/4-20x0.333 | 30.8 (1.21) | HUBG-250A |
| 3 | 90.42 – 92.2 (3.56 – 3.63) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 110.8 (4.36) | 1/4-20x0.333 | 30.8 (1.21) | HUBG-300A |
| 3-1/2 | 103.12 – 105.66 (4.06 – 4.16) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 126.0 (4.96) | 1/4-20x0.333 | 31.0 (1.22) | HUBG-350A |
| 4 | 115.82 – 118.62 (4.56 – 4.67) | 1.5 – 6.4 (0.06 – 0.25) | 38.6 (1.52) | 24.9 (0.98) | 138.5 (5.45) | 1/4-20x0.333 | 31.0 (1.22) | HUBG-400A |

Applications

- Used to support cables in vertical raceways or risers.
- Relieves the strain that would be placed on terminations, the interior of panels, or other devices to which the cables are connected.
- Properly designed cable supports must not only be capable of supporting a given weight of cable with a good margin of safety but must also support the cable without damaging the insulation or excessively reducing the amount of insulation over

Example:

- A 10-story building contains a vertical conduit run from the basement to the top floor, approx. 34 meters (110 feet) in length. The raceway contains 4/0 copper conductors. Per Table 300.19(A), the unsupported cable length cannot exceed 25 meters (80 feet) . Therefore, one cable support is required at or near the top of the vertical riser, and one intermediate support is required at or near the midpoint in the conduit run, assuring that any unsupported cable length does not exceed 25 meters (80 feet) .

Certifications and Compliances

- Requirements for Cable Supports in the National Electrical Code reads as follows: 300.19 Supporting Conductors in Vertical Raceways. (A) Spacing Intervals - Maximum. Conductors in vertical raceways shall be supported if the vertical rise exceeds the values in Table 300.19(A). One cable support shall be provided at the top of the vertical raceway or as close to the top as practical. Intermediate supports shall be provided as necessary to limit supported conductor lengths to not greater than those specified in Table 300.19(A).

Spacing for Conductor Supports

| Size of Wire | Support of Conductors in Vertical Raceways | Aluminum or Copper – Clad Aluminum Meters (Feet) | Copper Meters (Feet) |
|----------------------------|--|--|----------------------|
| 18 AWG thru 8 AWG | Not greater than | 30 (100) | 30 (100) |
| 6 AWG thru 1/0 AWG | Not greater than | 60 (200) | 30 (100) |
| 2/0 AWG thru 4/0 AWG | Not greater than | 55 (180) | 25 (80) |
| over 4/0 AWG - 350 kcmil | Not greater than | 41 (135) | 18 (60) |
| over 350 kcmil - 500 kcmil | Not greater than | 36 (120) | 15 (50) |
| over 500 kcmil - 750 kcmil | Not greater than | 28 (95) | 12 (40) |
| over 750 kcmil | Not greater than | 26 (85) | 11 (35) |

| Application | Recommended O-Z/Gedney Cable Supports |
|---|---------------------------------------|
| TWO or more wires - Indoors - at voltages to 600 Volt | Type S |
| ONE or more wires - Indoors - at all voltages | Type R |
| Retrofit - TWO or more wires - Indoors - at voltages to 600 Volt | Type D |
| Retrofit - ONE or more wires - Indoors - at all voltages | Type DR |
| Ventilating - ONE or more wires - Outdoors - at all voltages | Type CMT |
| Ventilating - Bakelite - ONE or more wires - Outdoors - at all voltages | Type V |
| Non-ventilating - ONE or more wires - Outdoors - at all voltages | Type C |
| Locking - Horizontal/Vertical - ONE or more wires - Indoors - at all voltages | Type K |
| Space Maker - ONE or more wires - Indoors - at all voltages | Type M |
| Pull Box - ONE or more wires - Outdoors at all voltages | Type W |
| Wire Armored Cable - In conduit or supported by structure | Type F/FS/FT |

OZGEDNEY Cable Supports

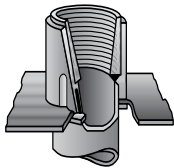
Applications

- Two basic types of cable supports are offered for use with non-armored cable. They both utilize the pOZi-grip® Wedging Plug. pOZi-grip® is a unique manufacturing technique for lining the cable grooves with a coarse grain grit using a high strength epoxy adhesive. This grit improves the cable support holding power and does not injure the jacket or insulation on the cable.

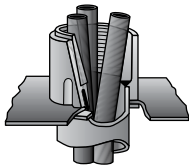
One Piece Plug Type "S"

- This type consists of a metal body having an insulating liner with a knurled and tapered inside surface and a one piece impregnated hardwood wedging plug having a groove for each wire. This type support is recommended for use with all types of non-armored cables 600 Volts or less, as it is the easiest to install, impossible to install incorrectly and it provides ventilation of the conduit. This design is used in our Types S and D Cable Supports. The basic principles of their assembly are illustrated below.

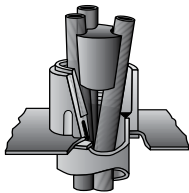
Type S



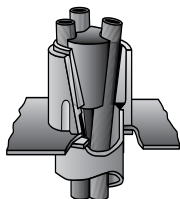
1. Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2. Pull wires and arrange temporary means of support.



- 3a. Remove all pulling compound from wires in the area where they pass through the cable support.
- 3b. Place the plug between the wires as close to the top of the body as possible. Care should be taken to locate each wire in the proper groove.

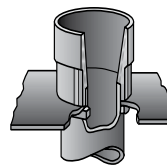


4. Tap the plug firmly into the support body.

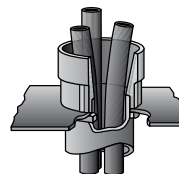
Multiple Segment Plug Type "R"

- This type consists of an all metal body having a tapered inner surface and a canvas bakelite multiple segment wedging plug so constructed that each cable is supported between grooves in adjacent segments. This construction provides the uniform pressure distribution required by the softer types of insulations frequently used at higher voltages. This design is used in non-ventilating types R, DR, W, C, K and M, and Ventilating Compound Types CMT, and V. The basic principles of their assembly are illustrated below.

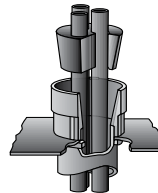
Type R



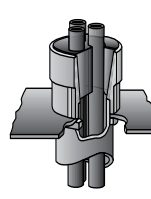
1. Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2. Pull wires and arrange temporary means of support.



- 3a. Remove all pulling compound from wires in the area where they pass through the cable support.
- 3b. Place the segments of the plug around the wires. Where more than two segments are involved the top of each plug segment has numbers at each end and it is important that these are paired with the corresponding numbers on the adjacent plug segments.



4. Tap the plug segments evenly and firmly into the support body.

OZGEDNEY Cable Supports

S: For Two or More Wires - Indoors - at Voltages to 600 Vac

For Rigid Conduit, IMC and EMT with pOZi-grip® "S-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.

Features

- Threaded for Rigid Conduit and IMC.
- Use with all types of insulations at voltages to and including 600 Volt.
- The fastest and easiest type cable support to install.
- The knurled insulating inner surface and one piece impregnated hardwood pOZi-grip plug provide positive support well in excess of code requirements.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC Conduit, use a PVC terminal adapter.

Material/Finish

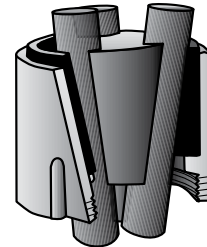
- Bodies: malleable or ductile iron with hot dip galvanized finish
- Bodies: available in cast aluminum. Add suffix **-A** to catalog number. Example: S-1500**A**-1.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584

Options

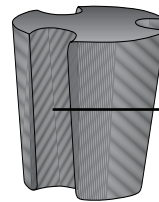
- For Lay-In-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.



TO ORDER SPECIFY:

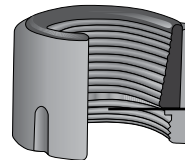
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Impregnated Hardwood
pOZi-grip® Wedging Plug

Shape and special gripping surface
of grooves in plug give maximum
support to cable.



Malleable or Ductile Iron Body

Tapered inside surface of insulating
bushing is knurled to grip cable.

OZGEDNEY Cable Supports

S: For Two or More Wires - Indoors - at Voltages to 600

For Rigid Conduit, IMC and EMT with pOZi-grip® "S-style" Wedging Plug.

| Conduit Size (Inches) | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only |
|-------------------------|---------------------|---|--------------------------|
| Complete Fitting | | | |
| 1-1/2 | S-1500-1 | S-1500-2 | S-1500-BO |
| 2 | S-2000-1 | S-2000-2 | S-2000-BO |
| 2-1/2 | S-2500-1 | S-2500-2 | S-2500-BO |
| 3 | S-3000-1 | S-3000-2 | S-3000-BO |
| 3-1/2 | S-3500-1 | S-3500-2 | S-3500-BO |
| 4 | S-4000-1 | S-4000-2 | S-4000-BO |
| 5 | S-5000-1 | S-5000-2 | S-5000-BO |
| 6 | S-6000-1 | S-6000-2 | S-6000-BO |

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------------------------|----------------|--|---------------------|---|
| | Outside Diameter | Overall Height | | | |
| Plug Only ① | | | | | |
| 1-1/2 | 60.4 (2.38) | 66.8 (2.63) | | SPLG-1500-1 | SPLG-1500-2 |
| 2 | 79.5 (3.13) | 66.8 (2.63) | | SPLG-2000-1 | SPLG-2000-2 |
| 2-1/2 | 95.3 (3.75) | 76.2 (3.00) | | SPLG-2500-1 | SPLG-2500-2 |
| 3 | 114.3 (4.50) | 79.5 (3.13) | | SPLG-3000-1 | SPLG-3000-2 |
| 3-1/2 | 130.3 (5.13) | 88.9 (3.50) | | SPLG-3500-1 | SPLG-3500-2 |
| 4 | 143.0 (5.63) | 3.88 (3.88) | | SPLG-4000-1 | SPLG-4000-2 |
| 5 | 174.8 (6.88) | 114.3 (4.50) | | SPLG-5000-1 | SPLG-5000-2 |
| 6 | 212.9 (8.38) | 139.7 (5.50) | | SPLG-6000-1 | SPLG-6000-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

D: For Two or More Wires Already Installed in Conduit - Indoors - at Voltages to 600 Vac

Retrofit Type Split Bakelite Body with pOZi-grip® "S-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.

Features

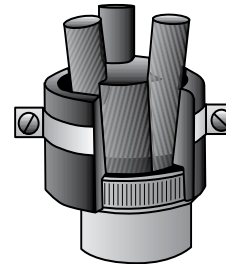
- Retrofit type cable support can be installed after conductors are pulled and terminated.
- Split body rests on existing bushing atop any conduit raceway.
- The two halves of the body are placed around the cables, seated on the existing bushing and securely held together by the steel band set in a groove around the body. The plug is then wedged between the cables.
- Use with all types of insulations at voltages to and including 600 Volts.
- The tapered, knurled insulating inner body surface and pOZigrip plug provide support well in excess of code requirements.

Material/Finish

- Bodies: two molded canvas bakelite halves. Inside surface is knurled to grip cables
- Band: steel/zinc plated
- Bolts and nuts: stainless steel

Certifications and Compliances

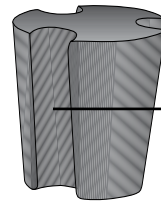
- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584



TO ORDER SPECIFY:

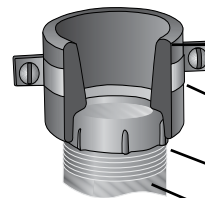
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Impregnated Hardwood
pOZi-grip® Wedging Plug

Shape and special gripping surface
of grooves in plug give maximum
support to cable.



Two molded Canvas Bakelite halves.
Inside surface is knurled to grip cables.

Steel band, Zinc Plated. Bolts and
nuts are Stainless Steel.

Existing Bushing

Existing Conduit

OZGEDNEY Cable Supports

D: For Two or More Wires Already Installed in Conduit - Indoors - at Voltages to 600 Vac

Retrofit Type Split Bakelite Body with pOzi-grip® "S-style" Wedging Plug.

| Conduit Size (Inches) | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | Number of Straps | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-------------------------|------------------|----------------|--------------------------|-----------------|------------------|---------------------|---|
| Complete Fitting | | | | | | | |
| 1-1/2 | 60.4 (2.38) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 25.4 (1.00) | D-1502-1 | D-1502-2 |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 25.4 (1.00) | D-2002-1 | D-2002-2 |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 50.8 (2.00) | D-2502-1 | D-2502-2 |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 50.8 (2.00) | D-3002-1 | D-3002-2 |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 50.8 (2.00) | D-3502-1 | D-3502-2 |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 50.8 (2.00) | D-4002-1 | D-4002-2 |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 50.8 (2.00) | D-5002-1 | D-5002-2 |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 50.8 (2.00) | D-6002-1 | D-6002-2 |

| Conduit Size (Inches) | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | Number of Straps | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------|----------------|--------------------------|-----------------|------------------|---------------------|---|
| Plug Only ① | | | | | | | |
| 1-1/2 | 60.4 (2.38) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 25.4 (1.00) | SPLG-1500-1 | SPLG-1500-2 |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 25.4 (1.00) | SPLG-2000-1 | SPLG-2000-2 |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 50.8 (2.00) | SPLG-2500-1 | SPLG-2500-2 |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 50.8 (2.00) | SPLG-3000-1 | SPLG-3000-2 |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 50.8 (2.00) | SPLG-3500-1 | SPLG-3500-2 |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 50.8 (2.00) | SPLG-4000-1 | SPLG-4000-2 |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 50.8 (2.00) | SPLG-5000-1 | SPLG-5000-2 |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 50.8 (2.00) | SPLG-6000-1 | SPLG-6000-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

R: For One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- The pOZi-grip wedging plug exerts uniform pressure around the cable, providing holding force in excess of that required by code without deforming cable insulation.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.

Material/Finish

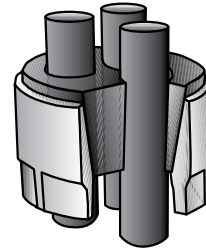
- Body: malleable or ductile iron with hot dip galvanized finish

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584

Options

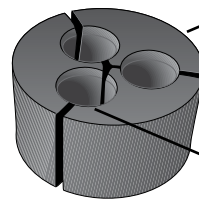
- For Lay-In-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.



TO ORDER SPECIFY:

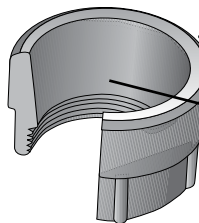
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Canvas Bakelite pOZi-grip® Wedging Plug
For one wire type, the plug consists of two pieces. For two wires or more, there is one piece for each wire.

Shape and special gripping surface of grooves in plug give maximum support to each cable and distributes even pressure around its entire circumference.



Malleable or Ductile Iron Body

Inside tapered surface is machined to assure proper seating of the Wedging Plug.

OZGEDNEY Cable Supports

R: For One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only |
|-------------------------|---------------------|---|--------------------------|
| Complete Fitting | | | |
| 1-1/2 | R-1501-1 | R-1501-2 | R-1501-BO |
| 2 | R-2001-1 | R-2001-2 | R-2001-BO |
| 2-1/2 | R-2501-1 | R-2501-2 | R-2501-BO |
| 3 | R-3001-1 | R-3001-2 | R-3001-BO |
| 3-1/2 | R-3501-1 | R-3501-2 | R-3501-BO |
| 4 | R-4001-1 | R-4001-2 | R-4001-BO |
| 5 | R-5001-1 | R-5001-2 | R-5001-BO |
| 6 | R-6001-1 | R-6001-2 | R-6001-BO |

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------------------------|----------------|--|---------------------|---|
| | Outside Diameter | Overall Height | | | |
| Plug Only ① | | | | | |
| 1-1/2 | 60.4 (2.38) | 66.8 (2.63) | | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 76.2 (3.00) | 66.8 (2.75) | | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 92.2 (3.63) | 79.5 (3.13) | | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 104.9 (4.13) | 85.9 (3.38) | | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 123.9 (4.88) | 92.2 (3.63) | | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 143.0 (5.63) | 95.3 (3.75) | | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 171.5 (6.75) | 111.3 (4.38) | | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 200.2 (7.88) | 133.4 (5.25) | | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

DR: For One or More Wires Already Installed in Conduit - Indoors - at all Voltages

Retrofit Type Split Bakelite Body with pOZi-grip® "R-style" Wedging Plug.

Application

- For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

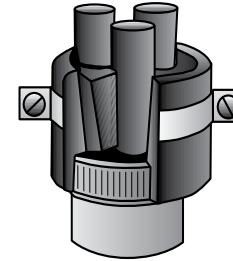
- Retrofit type cable support can be installed after conductors are pulled and terminated.
- Split body rests on existing bushing atop any conduit raceway.
- Use with all types of insulations at all voltages.
- The pOZi-grip® wedging plug exerts uniform pressure around the cable, providing holding force in excess of that required by code without deforming cable insulation.

Material/Finish

- Bodies: two molded canvas bakelite halves
- Wedging plug: canvas bakelite pOZi-grip®
- Band: steel/zinc plated
- Bolts and nuts: stainless steel

Certifications and Compliances

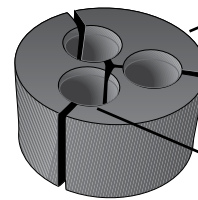
- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584



TO ORDER SPECIFY:

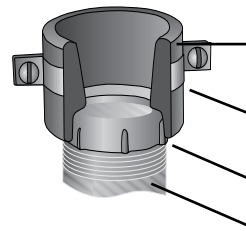
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Canvas Bakelite pOZi-grip® Wedging Plug
For one wire type, the plug consists of two pieces. For two wires or more, there is one piece for each wire.

Shape and special gripping surface of grooves in plug give maximum support to each cable and distributes even pressure around its entire circumference.



Two molded Canvas Bakelite halves.
Inside surface is knurled to grip cables.

Steel band, Zinc Plated. Bolts and nuts are Stainless Steel.

Existing Bushing

Existing Conduit

OZGEDNEY Cable Supports

DR: For One or More Wires Already Installed in Conduit - Indoors - at all Voltages

Retrofit Type Split Bakelite Body with pOzi-grip® "R-style" Wedging Plug.

| Conduit Size (Inches) | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | Number of Straps | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-------------------------|------------------|----------------|--------------------------|-----------------|------------------|---------------------|---|
| Complete Fitting | | | | | | | |
| 1-1/2 | 60.4 (2.38) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 25.4 (1.00) | DR-1502-1 | DR-1502-2 |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 25.4 (1.00) | DR-2002-1 | DR-2002-2 |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 50.8 (2.00) | DR-2502-1 | DR-2502-2 |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 50.8 (2.00) | DR-3002-1 | DR-3002-2 |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 50.8 (2.00) | DR-3502-1 | DR-3502-2 |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 50.8 (2.00) | DR-4002-1 | DR-4002-2 |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 50.8 (2.00) | DR-5002-1 | DR-5002-2 |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 50.8 (2.00) | DR-6002-1 | DR-6002-2 |

| Conduit Size (Inches) | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | Number of Straps | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------|----------------|--------------------------|-----------------|------------------|---------------------|---|
| Plug Only ① | | | | | | | |
| 1-1/2 | 60.4 (2.38) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 25.4 (1.00) | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 25.4 (1.00) | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 50.8 (2.00) | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 50.8 (2.00) | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 50.8 (2.00) | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 50.8 (2.00) | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 50.8 (2.00) | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 50.8 (2.00) | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

CMT: Ventilating, Compound, Threaded Type. For One or More Wires - Outdoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

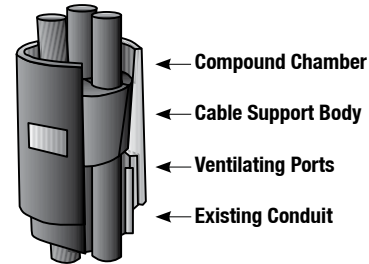
Application

- To support non-armored electrical cables in vertical conduit risers, furnish a weatherproof seal and provide ventilation at the top of the conduit.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- This device not only supports the cable, but furnishes a weatherproof seal and provides ventilation at the top of the conduit riser.
- The temperature in a conduit riser can be reduced 15 °F/-9.4 °C to 20 °F/-6.6 °C with proper venting. To obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the conduit ventilators.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For threadless rigid conduit, threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC conduit, use a PVC terminal adapter.

Illustrated Features



TO ORDER SPECIFY:

- Catalog Number
- Type and number of conductors in conduit
- Outside diameters of each conductor

Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

Optional Material

- For Lay-In-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.
- For insulating compound, see O-Z/Gedney dOZSeal Insulating Compound page.

Certifications and Compliances

- UL Standard: ANSI/UL 514B

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only |
|-------------------------|---------------------|---|--------------------------|
| Complete Fitting | | | |
| 2 | CMT-2000-1 | CMT-2000-2 | CMT-2000-BO |
| 2-1/2 | CMT-2500-1 | CMT-2500-2 | CMT-2500-BO |
| 3 | CMT-3000-1 | CMT-3000-2 | CMT-3000-BO |
| 3-1/2 | CMT-3500-1 | CMT-3500-2 | CMT-3500-BO |
| 4 | CMT-4000-1 | CMT-4000-2 | CMT-4000-BO |
| 5 | CMT-5000-1 | CMT-5000-2 | CMT-5000-BO |
| 6 | CMT-6000-1 | CMT-6000-2 | CMT-6000-BO |

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Dimensions in Millimeters (Inches) | | Compound Required Pints |
|-----------------------|---------------------|---|------------------------------------|----------------|-------------------------|
| | | | Outside Diameter | Overall Height | |
| Plug Only ① | | | | | |
| 2 | RPLG-2001-1 | RPLG-2001-2 | 79.5 (3.13) | 88.9 (3.50) | 0.25 |
| 2-1/2 | RPLG-2501-1 | RPLG-2501-2 | 98.6 (3.88) | 101.6 (4.00) | 0.33 |
| 3 | RPLG-3001-1 | RPLG-3001-2 | 114.3 (4.50) | 111.3 (4.38) | 0.50 |
| 3-1/2 | RPLG-3501-1 | RPLG-3501-2 | 127.0 (5.00) | 120.7 (4.75) | 0.75 |
| 4 | RPLG-4001-1 | RPLG-4001-2 | 139.7 (5.50) | 127.0 (5.00) | 1.00 |
| 5 | RPLG-5001-1 | RPLG-5001-2 | 181.1 (7.13) | 143.0 (5.63) | 1.75 |
| 6 | RPLG-6001-1 | RPLG-6001-2 | 209.6 (8.25) | 171.5 (6.75) | 3.50 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

V: Ventilating, Compound, Setscrew type. For One or more wires - Outdoors - at all voltages

All Bakelite Cable Support For Threadless Rigid Conduit and IMC with pOzi-grip® "R-style" Wedging Plug.

Application

- To support non-armored electrical cables in vertical conduit risers, furnish a weatherproof seal and provide ventilation at the top of the conduit.

Features

- Use with all types of insulations at all voltages.
- A special cable support made of canvas bakelite. This support furnishes a weatherproof seal and provides ventilation at the top of the conduit riser. The temperature in a riser can be reduced 15 °F/-9.4 °C to 20 °F/-6.6 °C with proper venting. To obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the conduit ventilators.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- Body can also be mounted on EMT in trade sizes 2-1/2 thru 4.

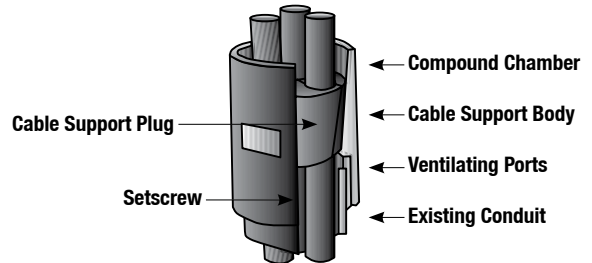
Material/Finish

- Body and plug: canvas bakelite

Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For insulating compound, see O-Z/Gedney dOZSeal Insulating Compound page.

Illustrated Features



TO ORDER SPECIFY:

- Catalog Number
- Type and number of conductors in conduit
- Outside diameters of each conductor

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only |
|-------------------------|---------------------|---|--------------------------|
| Complete Fitting | | | |
| 2 | V-2005-1 | V-2005-2 | V-2005-BO |
| 2-1/2 | V-2505-1 | V-2505-2 | V-2505-BO |
| 3 | V-3005-1 | V-3005-2 | V-3005-BO |
| 3-1/2 | V-3505-1 | V-3505-2 | V-3505-BO |
| 4 | V-4005-1 | V-4005-2 | V-4005-BO |
| 5 | V-5005-1 | V-5005-2 | V-5005-BO |
| 6 | V-6005-1 | V-6005-2 | V-6005-BO |

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | Compound Required Pints | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------------------------|----------------|-------------------------|---------------------|---|
| | Outside Diameter | Overall Height | | | |
| Plug Only ① | | | | | |
| 2 | 82.6 (3.25) | 95.3 (3.75) | 0.25 | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 95.3 (3.75) | 104.9 (4.13) | 0.33 | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 111.3 (4.38) | 114.3 (4.50) | 0.50 | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 127.0 (5.00) | 127.0 (5.00) | 0.75 | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 136.7 (5.38) | 136.7 (5.38) | 1.00 | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 174.8 (6.88) | 152.4 (6.00) | 1.75 | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 206.5 (8.13) | 177.8 (7.00) | 3.50 | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

C Compound: Non-Ventilating. For One or More Wires Outdoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- To seal the end of conduit and support non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- This device not only supports the cable, but furnishes a watertight seal at the top of a conduit riser.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For threadless rigid conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC conduit, use a PVC terminal adapter.

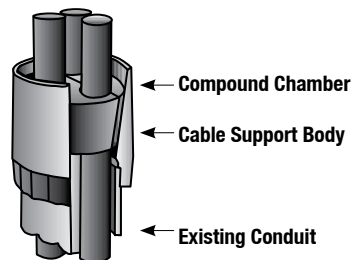
Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

Optional Material

- Bodies: available in cast aluminum. Add suffix -A to catalog number. Example: C-2004A-1.

Illustrated Features



TO ORDER SPECIFY:

- Catalog Number
- Type and number of conductors in conduit
- Outside diameters of each conductor

Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For Lay-in-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.
- For insulating compound, see O-Z/Gedney dOZSeal Insulating Compound page.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only |
|-------------------------|---------------------|---|--------------------------|
| Complete Fitting | | | |
| 2 | C-2004-1 | C-2004-2 | C-2004-BO |
| 2-1/2 | C-2504-1 | C-2504-2 | C-2504-BO |
| 3 | C-3004-1 | C-3004-2 | C-3004-BO |
| 3-1/2 | C-3504-1 | C-3504-2 | C-3504-BO |
| 4 | C-4004-1 | C-4004-2 | C-4004-BO |
| 5 | C-5004-1 | C-5004-2 | C-5004-BO |
| 6 | C-6004-1 | C-6004-2 | C-6004-BO |

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | Compound Required Pints | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------------------------|----------------|-------------------------|---------------------|---|
| | Outside Diameter | Overall Height | | | |
| Plug Only ① | | | | | |
| 2 | 79.5 (3.13) | 88.9 (3.50) | 0.25 | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 98.6 (3.88) | 101.6 (4.00) | 0.33 | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 114.3 (4.50) | 111.3 (4.38) | 0.50 | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 127.0 (5.00) | 120.7 (4.75) | 0.66 | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 139.7 (5.50) | 127.0 (5.00) | 1.00 | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 181.1 (7.13) | 143.0 (5.63) | 1.75 | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 209.6 (8.25) | 171.5 (6.75) | 3.50 | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

K Locking Style: Horizontal or Inverted - One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- Can be installed in horizontal or inverted position.
- For supporting non-armored electrical cables in conduit.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for Rigid Conduit and IMC.
- Use with all types of insulations at all voltages.
- The design of this support is similar to the Type R except that it is equipped with a locking collar which securely holds the pOZi-grip® wedging plug in place. This permits the support to be installed in any position and provides holding force against pull in either direction.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC Conduit, use a PVC terminal adapter.

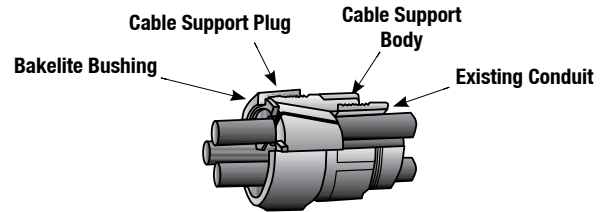
Material/Finish

- Body and locking collar: malleable or ductile iron with hot dip galvanized finish

Optional Material

- Cable support body and locking collar: cast aluminum. Add suffix **-A** to catalog number. Example: K-1503A-1.

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For Lay-in-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853

| Conduit Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only ① | |
|---|---------------------|---|----------------------------|---|
| Complete Fitting | | | | |
| 1-1/2 | K-1503-1 | K-1503-2 | K-1503-BO | |
| 2 | K-2003-1 | K-2003-2 | K-2003-BO | |
| 2-1/2 | K-2503-1 | K-2503-2 | K-2503-BO | |
| 3 | K-3003-1 | K-3003-2 | K-3003-BO | |
| 3-1/2 | K-3503-1 | K-3503-2 | K-3503-BO | |
| 4 | K-4003-1 | K-4003-2 | K-4003-BO | |
| 5 | K-5003-1 | K-5003-2 | K-5003-BO | |
| 6 | K-6003-1 | K-6003-2 | K-6003-BO | |
| Dimensions in Millimeters (Inches) | | | | |
| Conduit Size (Inches) | Outside Diameter | Overall Height | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| Plug Only ② | | | | |
| 1-1/2 | 73.2 (2.88) | 69.9 (2.75) | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 85.9 (3.38) | 79.5 (3.13) | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 01.6 (4.00) | 88.9 (3.50) | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 114.3 (4.50) | 95.3 (3.75) | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 130.3 (5.13) | 101.6 (4.00) | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 158.8 (6.25) | 111.3 (4.38) | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 187.5 (7.38) | 123.9 (4.88) | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 212.9 (8.38) | 146.1 (5.75) | RPLG-6001-1 | RPLG-6001-2 |

① Includes Locking Collar and Bushing.

② Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

M: Space-Maker Style - One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- Use where there is insufficient room for a cable support inside a junction box. For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Use with all types of insulations at all voltages.
- This fitting is similar to the Type R support, except that it is threaded at the top to allow fastening to a cabinet (1/4 max. thickness) with standard locknuts or threading into tapped (NPT) openings.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC Conduit, use a PVC terminal adapter.

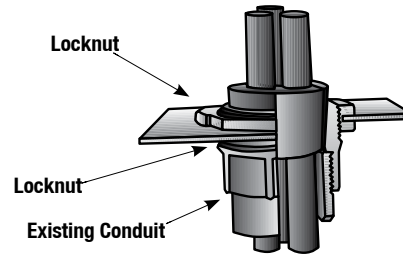
Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

Optional Material

- Cable support body: available in cast aluminum. Add suffix -A to catalog number. Example: M-1520A-1.

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For Lay-In-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853

| Conduit Size (Inches) | Knockout Size (Inches) | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only ① |
|-------------------------|------------------------|---------------------|---|----------------------------|
| Complete Fitting | | | | |
| 1 - 1/2 | 2 | M-1520-1 | M-1520-2 | M-1520-BO |
| 2 | 2-1/2 | M-2025-1 | M-2025-2 | M-2025-BO |
| 2-1/2 | 3 | M-2530-1 | M-2530-2 | M-2530-BO |
| 3 | 3-1/2 | M-3035-1 | M-3035-2 | M-3035-BO |
| 3-1/2 | 4 | M-3540-1 | M-3540-2 | M-3540-BO |
| 4 | 5 | M-4050-1 | M-4050-2 | M-4050-BO |
| 5 | 6 | M-5060-1 | M-5060-2 | M-5060-BO |

| Conduit Size (Inches) | Knockout Size (Inches) | Dimensions in Millimeters (Inches) | | | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
|-----------------------|------------------------|------------------------------------|----------------|-----------------------|---------------------|---|
| | | Outside Diameter | Overall Height | Approx. Overall eight | | |
| Plug Only ② | | | | | | |
| 2 | 2 | 25.4 (1.00) | 66.8 (2.63) | 57.2 (2.25) | RPLG-1501-1 | RPLG-1501-2 |
| 2-1/2 | 2-1/2 | 28.7 (1.13) | 76.2 (3.00) | 66.8 (2.63) | RPLG-2001-1 | RPLG-2001-2 |
| 3 | 3 | 31.8 (1.25) | 92.2 (3.63) | 73.2 (2.88) | RPLG-2501-1 | RPLG-2501-2 |
| 3-1/2 | 3-1/2 | 35.1 (1.38) | 104.9 (4.13) | 79.5 (3.13) | RPLG-3001-1 | RPLG-3001-2 |
| 4 | 4 | 38.1 (1.50) | 123.9 (4.88) | 85.9 (3.38) | RPLG-3501-1 | RPLG-3501-2 |
| 5 | 5 | 41.4 (1.63) | 143.0 (5.63) | 95.3 (3.75) | RPLG-4001-1 | RPLG-4001-2 |
| 6 | 6 | 41.4 (1.63) | 171.5 (6.75) | 104.9 (4.13) | RPLG-5001-1 | RPLG-5001-2 |

① Includes Locking Collar and Bushing.

② Cable support plugs will not be supplied undrilled.

OZGEDNEY Cable Supports

W: Pull Box Style - Raintite Enclosed - For One or More Wires - at all Voltages

For Threaded Rigid Conduit and IMC with pOzi-grip® "R-style" Wedging Plug.

Applications

- For all types of insulations at all voltages.
- Provides intermediate support of non-armored conductors in an indoor/outdoor vertical conduit run where a junction box and/or pull point is unavailable.

Features

- Meets NEC Section 300.19(A) requirements for intermediate supports at midpoints in vertical conduit risers.
- Requires less space in conduit run than rectangular junction box. May be mounted side-by-side or staggered in multiple conduit runs.
- Type W cable support is essentially a modified type R cable support mounted within a pull box fitting.
- Lay-In-Lug™ grounding lug can be mounted on pull box end fitting.

Material/Finish

- Cable support body and pull box end fittings: malleable or ductile iron
- Oversize sleeve: steel
- Hot dip galvanized finish

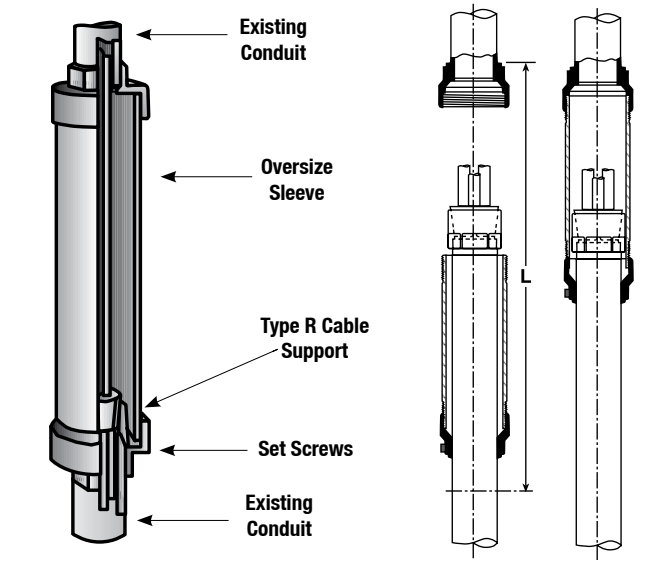
Optional Material

- Cable support body and pull box fitting: available in cast aluminum. Add suffix **-A** to catalog number. Example: W-1508A-1-OS.

Options

- For Lay-In-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

| Conduit Size (Inches) | Sleeve Furnished With Fitting | | Dimensions in Millimeters (Inches) Overall Length | | | | 1-4 Same Size Wires | | 5 or More Wires or Different Size Wires | |
|-----------------------|-------------------------------|--------|---|----------------|-----------------------|---------------------|------------------------|---------------------|---|--|
| | Trade Size | Length | Maximum Diameter | Fitting Closed | Fitting Open (Min.) L | Fitting With Sleeve | Fitting Without Sleeve | Fitting With Sleeve | Fitting Without Sleeve | |
| 1-1/2 | 63.5 (2.50) | 12" | 85.9 (3.38) | 393.7 (15.50) | 26 | W-1508-1-OS | W-1508-1-LS | W-1508-2-OS | W-1508-2-LS | |
| 2 | 76.2 (3.00) | 15" | 101.6 (4.00) | 476.3 (18.75) | 32 | W-2008-1-OS | W-2008-1-LS | W-2008-2-OS | W-2008-2-LS | |
| 2-1/2 | 88.9 (3.50) | 15" | 127.6 (5.02) | 488.9 (19.25) | 32 | W-2508-1-OS | W-2508-1-LS | W-2508-2-OS | W-2508-2-LS | |
| 3 | 101.6 (4.00) | 15" | 130.3 (5.13) | 488.9 (19.25) | 32 | W-3008-1-OS | W-3008-1-LS | W-3008-2-OS | W-3008-2-LS | |
| 3-1/2 | 114.3 (4.50) | 18" | 146.1 (5.75) | 571.5 (22.50) | 38 | W-3508-1-OS | W-3508-1-LS | W-3508-2-OS | W-3508-2-LS | |
| 4 | 127.0 (5.00) | 18" | 158.8 (6.25) | 571.5 (22.50) | 38 | W-4008-1-OS | W-4008-1-LS | W-4008-2-OS | W-4008-2-LS | |
| 5 | 177.8 (7.00) | 18" | 212.9 (8.38) | 596.9 (23.50) | 39 | W-5008-1-OS | W-5008-1-LS | W-5008-2-OS | W-5008-2-LS | |
| 6 | 203.2 (8.00) | 18" | 241.3 (9.50) | 615.9 (24.25) | 39 | W-6008-1-OS | W-6008-1-LS | W-6008-2-OS | W-6008-2-LS | |

OZGEDNEY Cable Supports

G: Lay-In-Lug™ Grounding Lugs for use with Cable Supports

Factory Installed. For mounting on O-Z/Gedney fittings. Copper Plus™ Lay-In-Lug™ Grounding Wire Connectors.

Application

- Provides a compact means of attaching a grounding or bonding conductor to an O-Z/Gedney fitting.

Features

- Highly conductive tin-plated copper saddle for use with copper or aluminum conductors.
- Connector opening allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- These grounding wire connectors are used on the specification insulated grounding bushings.
- Grounding lugs not sold separately.

Material/Finish

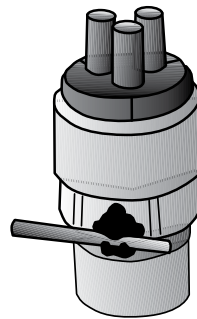
- Grounding Saddle/Tin Plated Copper
- Clamping Tension Body/Stainless Steel
- Screws/Stainless Steel

Certifications and Compliances

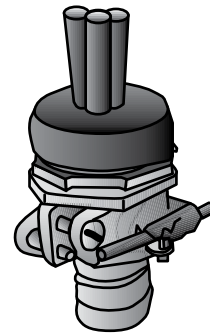
- UL Standard: ANSI/UL 514B, 467
- UL Listed: E24264
- CSA Standard: C22.2 No. 18, 41
- CSA Certified: 11584

Note:

1. Type G Grounding Lugs are only furnished factory-mounted to O-Z/Gedney fittings.
2. Grounding Lugs are not sold separately.
3. Type G Grounding Lugs are not compatible with all O-Z/Gedney fittings in this catalog. Please review specific fittings catalog page to insure compatibility. If unsure, please contact your local representative before ordering.



Mounted on Cable Support



Mounted on PK Clamp

TO ORDER:

Place the order for each grounding lug on the next order line immediately after the fitting that the lug will be attached to. See Note prior to ordering.

Ordering Example:

| Item # | Quantity | Part Number | Description |
|--------|----------|-------------|-------------------|
| 1 | 5 | PK-200 | Cable Termination |
| 2 | 5 | G-04S | Grounding Lug |

| Grounding Min. | Wire Size ① Max. | Lug Rating | Trade Size ② (Inches) | Part Number |
|----------------|------------------|------------|-----------------------|-------------|
| 14 | 4 | CU only | 1/2 — 6 | G-04S |
| 8 | 2/0 | AL-CU | 1/2 — 6 | G-22S |
| 6 | 4/0 | AL-CU | 2-1/2 — 6 | G-24S |
| 250 | 500 | CU only | 2-1/2 — 6 | G-25S |

① Solid or stranded for No. 4 AWG or smaller; stranded for No. 2 or larger

② Indicates trade sizes of fitting to which grounding wire connector can be mounted.

OSGEDNEY dOZSeal Sealing Insulating Compound

For Use in Terminators, Compound Bushings and Compound Type Cable Supports

Application

- dOZseal 220
 - Used in gasketed or threaded splice fittings and gasketed terminators.
 - Used in non-hazardous location with any cable having solid type insulation, such as Paper, Varnished Cambric, Rubber, Butyl, Cross-Linked Polyethylene, or High Molecular weight Polyethylene rated 34.5KV and below.
- dOZseal 225
 - Used in gasketed or threaded splice fittings and gasketed terminators, when they are installed in hot climates or in hot exposures.
 - Used in non-hazardous location with cables having solid type insulation, such as Paper, Varnished Cambric, Rubber, and Butyl rated 34.5KV and below.
- dOZseal 230
 - Used in non-gasketed terminators or cable supports.
 - Used in non-hazardous location with any cable having solid type insulation.

Material

- dOZseal 220
 - Universal medium-soft asphaltic base compound
- dOZseal 225
 - High ambient medium-hard asphaltic base compound
- dOZseal 230
 - Hard asphaltic base compound

Features

- dOZseal 220
 - Having a low softening point and low pouring temperature
 - The compound remains plastic at low temperatures and remains viscose at the highest cable operating temperature.
- dOZseal 225
 - Having a medium-low softening point and a low pouring temperature. The compound remains plastic at medium-low temperatures and remains more viscose at the highest cable operating temperature.
- dOZseal 230
 - Having a high softening point and high pouring temperature. The compound remains plastic at the highest cable operating temperature.

| Compound Number | Type | Catalog Number One Qt. Can | One Gallon Bucket | Five Gallon Bucket |
|--|----------------------------|-------------------------------|-------------------|--------------------|
| For Use In Terminators, Compound Bushings, Compound Type Cable Supports | | | | |
| dOZseal 220 | Medium-soft asphaltic base | DOZ-220Q | DOZ-220G | DOZ-220G5 |
| dOZseal 225 | Medium-hard asphaltic base | DOZ-225Q | DOZ-225G | DOZ-225G5 |
| dOZseal 230 | hard asphaltic base | DOZ-230Q | DOZ-230G | DOZ-230G5 |

| dOZSeal Filling Compounds | | | | |
|--|------|-------------|-------------|-------------|
| Characteristics | Unit | dOZSeal 220 | dOZSeal 225 | dOZSeal 230 |
| For Use In Terminators, Compound Bushings, Compound Type Cable Supports | | | | |
| Softening Point | °F | 115-125 | 165-170 | 165-170 |
| Pouring Temperature | °F | 325-375 | 325-375 | 375-400 |
| Flash Point | °F | 475 | 475 | 475 |
| Dielectric Strength | KV | 50 | 50 | 55 |

For shipping purposes, the approximate gross weight of the above compounds is 10 lbs. per gallon. When ordering compound specify by number of units only, not quarts or gallons. Example: To order 50 gallons of dOZseal 220 specify ten (10) DOZ-220G5 units.

Threadless Rigid Metal Conduit Couplings and Connectors

Application




- Couplings are used to join lengths to rigid metal conduit.
- Connectors are used to secure and terminate rigid metal conduit to enclosures.

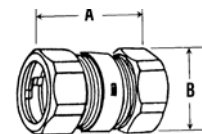
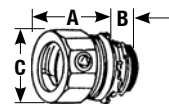
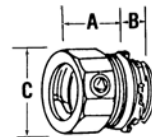
- UL Standard: ANSI/UL 514B
- UL Listed: E14814 (NTC 1/2 - 2) (NTCC 1/2 - 2)
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

Material

- NTC, RNTC, NTCC, NL, SNTC, SRNTC, SNTCC: malleable iron/zinc electroplate

Certifications and Compliances

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---|------------------------|------------------------------------|--------------|-----------------|-------------------|
| | | A | B | C | |
| Compression Connectors - Concretetight | | | | | |
|  | 1/2 | 19.1 (0.75) | 35.1 (1.38) | 11.2 (0.44) | NTC-50 |
| | 3/4 | 22.4 (0.88) | 39.6 (1.56) | 11.2 (0.44) | NTC-75 |
| | 1 | 30.2 (1.19) | 49.3 (1.94) | 14.2 (0.56) | NTC-100 |
| | 1-1/4 | 35.1 (1.38) | 58.7 (2.31) | 16.0 (0.63) | NTC-125 |
| | 1-1/2 | 35.1 (1.38) | 66.8 (2.63) | 16.0 (0.63) | NTC-150 |
| | 2 | 38.1 (1.50) | 84.1 (3.31) | 17.5 (0.69) | NTC-200 |
| | 2 - 1/2 | 54.1 (2.13) | 102.4 (4.03) | 25.4 (1.0) | NTC-250 ① |
| | 3 | 62.0 (2.44) | 122.2 (4.81) | 25.4 (1.0) | NTC-300 ① |
| | 3 - 1/2 | 66.8 (2.63) | 139.7 (5.50) | 30.2 (1.19) | NTC-350 ① |
| | 4 | 65.0 (2.56) | 155.7 (6.13) | 31.8 (1.25) | NTC-400 ① |
| Compression Connectors — Insulated — Concretetight | | | | | |
|  | 1/2 | 19.1 (0.75) | 35.1 (1.38) | 11.2 (0.44) | RNTC-50 |
| | 3/4 | 22.4 (0.88) | 39.6 (1.56) | 11.2 (0.44) | RNTC-75 |
| | 1 | 30.2 (1.19) | 49.3 (1.94) | 14.2 (0.56) | RNTC-100 |
| | 1-1/4 | 35.1 (1.38) | 58.7 (2.31) | 16.0 (0.63) | RNTC-125 |
| | 1-1/2 | 35.1 (1.38) | 66.8 (2.63) | 16.0 (0.63) | RNTC-150 |
| 2 | 38.1 (1.50) | 84.1 (3.31) | 17.5 (0.69) | RNTC-200 | |
| Compression Couplings - Concretetight | | | | | |
|  | 1/2 | 42.9 (1.69) | - | 35.1 (1.38) | NTCC-50 |
| | 3/4 | 44.5 (1.75) | - | 39.6 (1.56) | NTCC-75 |
| | 1 | 49.3 (1.94) | - | 49.3 (1.94) | NTCC-100 |
| | 1-1/4 | 63.5 (2.50) | - | 58.7 (2.31) | NTCC-125 |
| | 1-1/2 | 65.0 (2.56) | - | 66.8 (2.63) | NTCC-150 |
| | 2 | 73.2 (2.88) | - | 84.1 (3.31) | NTCC-200 |
| | 2 - 1/2 | 100.1 (3.94) | - | 102.4 (4.03) | NTCC-250 ① |
| | 3 | 109.5 (4.31) | - | 122.2 (4.81) | NTCC-300 ① |
| | 3 - 1/2 | 114.3 (4.50) | - | 139.7 (5.50) | NTCC-350 ① |
| | 4 | 115.8 (4.56) | - | 155.7 (6.13) | NTCC-400 ① |



① Not UL Listed.

Threadless Rigid Metal Conduit and IMC Connectors

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|--|------------------------|------------------------------------|---|---|-------------------|
| | | A | B | C | |

90° Compression Box Connectors - Concretetight



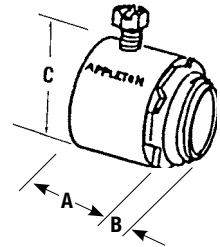
| | | | | |
|-----|-------------|-------------|-------------|------------|
| 1/2 | 36.6 (1.44) | 11.2 (0.44) | 27.7 (1.09) | NL90-50L ① |
| 3/4 | 41.4 (1.63) | 11.2 (0.44) | 31.8 (1.25) | NL90-75L ① |



Set Screw Connectors — Concretetight when taped — Steel/Malleable Iron



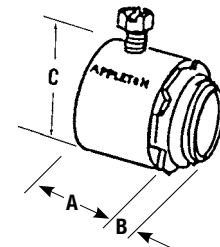
| | | | | |
|---------|-------------|--------------|-------------|----------|
| 1/2 | 24.6 (0.97) | 31.8 (1.25) | 11.2 (0.44) | SNTC-50 |
| 3/4 | 20.6 (0.81) | 36.6 (1.44) | 11.2 (0.44) | SNTC-75 |
| 1 | 36.6 (1.44) | 44.5 (1.75) | 13.5 (0.53) | SNTC-100 |
| 1-1/4 | 39.6 (1.56) | 54.1 (2.13) | 16.0 (0.63) | SNTC-125 |
| 1-1/2 | 44.5 (1.75) | 60.5 (2.38) | 16.0 (0.63) | SNTC-150 |
| 2 | 47.8 (1.88) | 73.2 (2.88) | 16.0 (0.63) | SNTC-200 |
| 2 - 1/2 | 54.1 (2.13) | 90.4 (3.56) | 25.4 (1.00) | SNTC-250 |
| 3 | 60.5 (2.38) | 108 (4.25) | 25.4 (1.00) | SNTC-300 |
| 3 - 1/2 | 69.9 (2.75) | 120.7 (4.75) | 28.3 (1.13) | SNTC-350 |
| 4 | 76.2 (3.00) | 133.4 (5.25) | 28.3 (1.13) | SNTC-400 |



Set Screw Connectors — Insulated — Concretetight when taped — Steel/Malleable Iron




| | | | | |
|---------|-------------|--------------|-------------|-----------|
| 1/2 | 24.6 (0.97) | 31.8 (1.25) | 11.2 (0.44) | SRNTC-50 |
| 3/4 | 20.6 (0.81) | 36.6 (1.44) | 11.2 (0.44) | SRNTC-75 |
| 1 | 36.6 (1.44) | 44.5 (1.75) | 13.5 (0.53) | SRNTC-100 |
| 1-1/4 | 39.6 (1.56) | 54.1 (2.13) | 16.0 (0.63) | SRNTC-125 |
| 1-1/2 | 44.5 (1.75) | 60.5 (2.38) | 16.0 (0.63) | SRNTC-150 |
| 2 | 47.8 (1.88) | 73.2 (2.88) | 16.0 (0.63) | SRNTC-200 |
| 2 - 1/2 | 54.1 (2.13) | 90.4 (3.56) | 25.4 (1.00) | SRNTC-250 |
| 3 | 60.5 (2.38) | 108 (4.25) | 25.4 (1.00) | SRNTC-300 |
| 3 - 1/2 | 69.9 (2.75) | 120.7 (4.75) | 28.3 (1.13) | SRNTC-350 |
| 4 | 76.2 (3.00) | 133.4 (5.25) | 28.3 (1.13) | SRNTC-400 |




See next page for couplings.

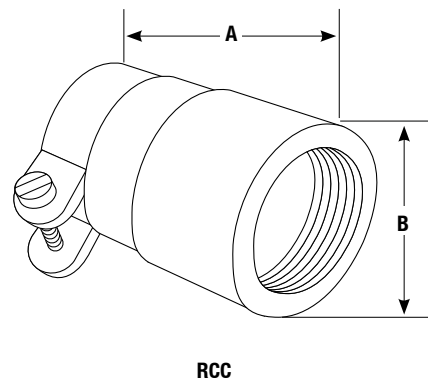
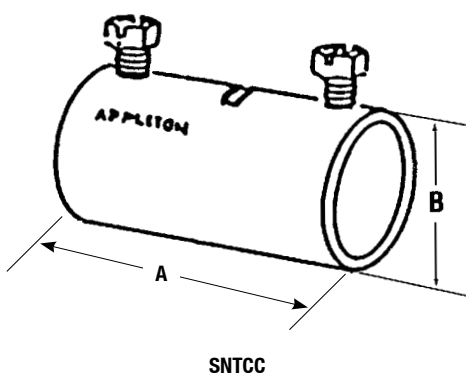
① Not UL Listed.

Threadless Rigid Metal Conduit and IMC Couplings

| | Trade Size (Inches) | Cable (Inches) | Max. Diameter (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---|------------------------|-------------------|------------------------------|------------------------------------|--------------|---|-------------------|
| | | | | A | B | C | |
| Set Screw Couplings – Concretetight – Steel | | | | | | | |
|  | 1/2 | - | - | 44.5 (1.75) | 31.8 (1.25) | - | SNTCC-50 |
| | 3/4 | - | - | 54.1 (2.13) | 36.6 (1.44) | - | SNTCC-75 |
| | 1 | - | - | 66.8 (2.63) | 44.5 (1.75) | - | SNTCC-100 |
| | 1-1/4 | - | - | 69.9 (2.75) | 54.1 (2.13) | - | SNTCC-125 |
| | 1-1/2 | - | - | 79.5 (3.13) | 60.5 (2.38) | - | SNTCC-150 |
| | 2 | - | - | 85.9 (3.38) | 73.2 (2.88) | - | SNTCC-200 |
| | 2 - 1/2 | - | - | 98.6 (3.88) | 90.4 (3.56) | - | SNTCC-250 |
| | 3 | - | - | 111.3 (4.38) | 107.2 (4.22) | - | SNTCC-300 |
| | 3 - 1/2 | - | - | 127 (5.00) | 120.7 (4.75) | - | SNTCC-350 |
| | 4 | - | - | 139.7 (5.50) | 133.4 (5.25) | - | SNTCC-400 |

Combination Armored Cable/Flexible Metal Conduit to Rigid Metal Conduit Couplings – Malleable ①

| | | | | | | | |
|---|-----|--------|---------|-------------|-------------|-------------|-----------------|
|  | 1/2 | 3/8AC | — | 23.9 (0.94) | 39.6 (1.56) | 17.5 (0.69) | RCC38-50 |
| | 3/4 | 1/2FMC | 15/16 | 25.4 (1.00) | 44.5 (1.75) | 23.9 (0.94) | RCC-50 |
| | 1 | 3/4FMC | 1 - 1/8 | 30.2 (1.19) | 46.0 (1.81) | 26.9 (1.06) | RCC-75 |



① Not UL Listed or CSA Certified.

Rigid Conduit and IMC Locknuts

Application



- Used to secure an ordinary nut from working loose by locking itself when screwed down tight.

Material



- Steel or aluminum

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814, E24264
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|----------------|---------------------------|-------------------|
| | | Diameter | Height | | |
| Locknuts — Steel | | | | | |
|  | 3/8 | 23.9 (0.94) | 3.3 (0.13) | 0.64 (1.40) | BL38 |
| | 1/2 | 28.7 (1.13) | 3.3 (0.13) | 0.59 (1.30) | BL50 |
| | 3/4 | 35.1 (1.38) | 3.3 (0.13) | 1.09 (2.40) | BL75 |
| | 1 | 42.9 (1.69) | 4.8 (0.19) | 1.81 (4.00) | BL100 |
| | 1-1/4 | 57.2 (2.25) | 4.8 (0.19) | 2.49 (5.50) | BL125 |
| | 1-1/2 | 60.5 (2.38) | 4.8 (0.19) | 4.54 (10.00) | BL150 |
| | 2 | 73.2 (2.88) | 4.8 (0.19) | 6.30 (13.90) | BL200 |
| | 2 - 1/2 | 90.4 (3.56) | 9.7 (0.38) | 10.89 (24.00) | BL250 |
| | 3 | 108.0 (4.25) | 9.7 (0.38) | 14.51 (32.00) | BL300 |
| | 3 - 1/2 | 122.2 (4.81) | 9.7 (0.38) | 21.32 (47.00) | BL350 |
| | 4 | 138.2 (5.44) | 9.7 (0.38) | 27.22 (60.00) | BL400 |
| | 5 | 169.9 (6.69) | 12.7 (0.50) | 44.45 (98.00) | BL500 |
| 6 | 201.7 (7.94) | 12.7 (0.50) | 72.57 (160.00) | BL600 | |
| PVC Gasketed Sealing Locknuts — Steel — Liquidtight | | | | | |
|  | 1/2 | 28.7 (1.13) | 6.4 (0.25) | 0.64 (1.40) | BLSG50 |
| | 3/4 | 47.8 (1.88) | 6.4 (0.25) | 1.18 (2.60) | BLSG75 |
| | 1 | 44.5 (1.75) | 7.1 (0.28) | 2.27 (5.00) | BLSG100 |
| | 1-1/4 | 53.1 (2.09) | 7.1 (0.28) | 3.08 (6.80) | BLSG125 |
| | 1-1/2 | 61.2 (2.41) | 7.1 (0.28) | 5.22 (11.50) | BLSG150 |
| | 2 | 74.7 (2.94) | 7.9 (0.31) | 6.67 (14.70) | BLSG200 |
| | 2 - 1/2 | 88.9 (3.50) | 9.7 (0.38) | 10.89 (24.00) | BLSG250 |
| | 3 | 106.4 (4.19) | 9.7 (0.38) | 14.51 (32.00) | BLSG300 |
| | 3 - 1/2 | 120.7 (4.75) | 11.2 (0.44) | 21.32 (47.00) | BLSG350 |
| | 4 | 135.6 (5.34) | 11.2 (0.44) | 27.22 (60.00) | BLSG400 |
| | 5 | 168.4 (6.63) | 12.7 (0.50) | 44.45 (98.00) | BLSG500 |
| | 6 | 200.2 (7.88) | 14.2 (0.56) | 72.57 (160.00) | BLSG600 |

Rigid Conduit and IMC Locknuts

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|-------------|---------------------------|-------------------|
| | | Diameter | Height | | |
| Bonding Locknuts – Steel | | | | | |
|  | 1/2 | 35.1 (1.38) | 4.8 (0.19) | 1.36 (3.00) | GL50 |
| | 3/4 | 41.4 (1.63) | 4.8 (0.19) | 1.36 (3.00) | GL75 |
| | 1 | 46.0 (1.81) | 6.4 (0.25) | 2.27 (5.00) | GL100 |
| | 1-1/4 | 58.7 (2.31) | 6.4 (0.25) | 2.72 (6.00) | GL125 |
| | 1-1/2 | 66.8 (2.63) | 6.4 (0.25) | 3.18 (7.00) | GL150 |
| | 2 | 79.5 (3.13) | 6.4 (0.25) | 5.90 (13.00) | GL200 |
| | 2 - 1/2 | 90.4 (3.56) | 11.2 (0.44) | 8.16 (18.00) | GL250 |
| | 3 | 108.0 (4.25) | 11.2 (0.44) | 16.78 (37.00) | GL300 |
| | 3 - 1/2 | 122.2 (4.81) | 12.7 (0.50) | 20.41 (45.00) | GL350 |
| | 4 | 138.2 (5.44) | 12.7 (0.50) | 22.68 (50.00) | GL400 |
| Locknuts – Aluminum | | | | | |
|  | 1/2 | 28.7 (1.13) | 4.8 (0.19) | 0.23 (0.50) | BL50A |
| | 3/4 | 35.1 (1.38) | 4.8 (0.19) | 0.36 (0.80) | BL75A |
| | 1 | 42.9 (1.69) | 4.8 (0.19) | 0.73 (1.60) | BL100A |
| | 1-1/4 | 57.2 (2.25) | 4.8 (0.19) | 1.32 (2.90) | BL125A |
| | 1-1/2 | 60.5 (2.38) | 4.8 (0.19) | 1.00 (2.20) | BL150A |
| | 2 | 73.2 (2.88) | 4.8 (0.19) | 2.18 (4.80) | BL200A |
| | 2 - 1/2 | 90.4 (3.56) | 9.7 (0.38) | 3.40 (7.50) | BL250A |
| | 3 | 108.0 (4.25) | 9.7 (0.38) | 4.81 (10.60) | BL300A |
| | 3 - 1/2 | 122.2 (4.81) | 9.7 (0.38) | 6.49 (14.30) | BL350A |
| | 4 | 138.2 (5.44) | 9.7 (0.38) | 8.44 (18.60) | BL400A |

Conduit Bushings for Rigid Metal Conduit and IMC

Applications

- Used with a locknut to terminate rigid metal conduit or IMC conduit to a box or enclosure.

Features


- Provides a smooth pulling surface.


Material/Finish

- BU: malleable iron/zinc electroplated
- BBU: impact resistant plastic or thermoplastic



Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|--|------------------------|------------------------------------|-----------------|---------------------------|-------------------|
| | | Diameter | Height | | |
| Threaded Bushings – Malleable Iron, Zinc Electroplated | | | | | |
|  | 1/2 | 26.2 (1.03) | 9.7 (0.38) | 1.36 (3.00) | BU50 |
| | 3/4 | 31.8 (1.25) | 11.2 (0.44) | 1.81 (4.00) | BU75 |
| | 1 | 39.6 (1.56) | 12.7 (0.50) | 3.18 (7.00) | BU100 |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 5.90 (13.00) | BU125 |
| | 1-1/2 | 54.9 (2.16) | 16.0 (0.63) | 6.35 (14.00) | BU150 |
| | 2 | 66.8 (2.63) | 16.0 (0.63) | 8.62 (19.00) | BU200 |
| | 2 - 1/2 | 81.0 (3.19) | 19.1 (0.75) | 19.50 (43.00) | BU250 |
| | 3 | 96.8 (3.81) | 23.9 (0.94) | 25.40 (56.00) | BU300 |
| | 3 - 1/2 | 112.8 (4.44) | 23.9 (0.94) | 34.47 (76.00) | BU350 |
| | 4 | 125.5 (4.94) | 26.9 (1.06) | 49.44 (109.00) | BU400 |
| 5 | 152.4 (6.00) | 30.2 (1.19) | 65.32 (144.00) | BU500 | |
| 6 | 187.5 (7.38) | 33.3 (1.31) | 110.22 (243.00) | BU600 | |

| | | | | | |
|---|--------------|--------------|-----------------|----------------|---------------|
| Threaded Bushings – Insulated – 150 °C Temperature Rating – Malleable Iron, Zinc Electroplated | | | | | |
|  | 1/2 | 30.2 (1.19) | 12.7 (0.50) | 1.81 (4.00) | BU50I |
| | 3/4 | 36.6 (1.44) | 14.2 (0.56) | 2.72 (6.00) | BU75I |
| | 1 | 44.5 (1.75) | 16.0 (0.63) | 4.08 (9.00) | BU100I |
| | 1-1/4 | 54.1 (2.13) | 19.1 (0.75) | 4.54 (10.00) | BU125I |
| | 1-1/2 | 58.7 (2.31) | 22.4 (0.88) | 8.62 (19.00) | BU150I |
| | 2 | 71.4 (2.81) | 23.9 (0.94) | 10.89 (24.00) | BU200I |
| | 2 - 1/2 | 85.9 (3.38) | 25.4 (1.00) | 21.32 (47.00) | BU250I |
| | 3 | 103.1 (4.06) | 28.7 (1.13) | 27.22 (60.00) | BU300I |
| | 3 - 1/2 | 114.3 (4.50) | 30.2 (1.19) | 31.30 (69.00) | BU350I |
| | 4 | 131.8 (5.19) | 33.3 (1.31) | 45.36 (100.00) | BU400I |
| 5 | 153.9 (6.06) | 33.3 (1.31) | 90.72 (200.00) | BU500I | |
| 6 | 184.2 (7.25) | 33.3 (1.31) | 110.22 (243.00) | BU600I | |

Conduit Bushings for Rigid Metal Conduit and IMC

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|-----------------|---------------------------|-------------------|
| | | Diameter | Height | | |
| Threadless Bushings — Insulated — 150 °C Temperature Rating — Malleable Iron, Zinc Electroplated | | | | | |
|  | 1/2 | 30.2 (1.19) | 9.7 (0.38) | 1.36 (3.00) | BU50SI |
| | 3/4 | 36.6 (1.44) | 11.2 (0.44) | 1.81 (4.00) | BU75SI |
| | 1 | 44.5 (1.75) | 12.7 (0.50) | 3.18 (7.00) | BU100SI |
| | 1-1/4 | 54.1 (2.13) | 16.0 (0.63) | 5.90 (13.00) | BU125SI |
| | 1-1/2 | 58.7 (2.31) | 16.0 (0.63) | 6.35 (14.00) | BU150SI |
| | 2 | 71.4 (2.81) | 16.0 (0.63) | 8.62 (19.00) | BU200SI |
| | 2 - 1/2 | 85.9 (3.38) | 19.1 (0.75) | 19.50 (43.00) | BU250SI |
| | 3 | 103.1 (4.06) | 23.9 (0.94) | 25.40 (56.00) | BU300SI |
| | 3 - 1/2 | 114.3 (4.50) | 23.9 (0.94) | 34.47 (76.00) | BU350SI |
| 4 | 131.8 (5.19) | 26.9 (1.06) | 49.44 (109.00) | BU400SI | |
| Threaded Capped Bushings — Malleable Iron, Zinc Electroplated, Polyethylene Cap | | | | | |
|  | 1/2 | 26.2 (1.03) | 9.7 (0.38) | 1.36 (3.00) | BUC50 |
| | 3/4 | 31.8 (1.25) | 11.2 (0.44) | 2.27 (5.00) | BUC75 |
| | 1 | 39.6 (1.56) | 12.7 (0.50) | 3.63 (8.00) | BUC100 |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 5.44 (12.00) | BUC125 |
| | 1-1/2 | 54.9 (2.16) | 16.0 (0.63) | 7.71 (17.00) | BUC150 |
| | 2 | 66.8 (2.63) | 16.0 (0.63) | 9.07 (20.00) | BUC200 |
| | 2 - 1/2 | 81.0 (3.19) | 19.1 (0.75) | 18.14 (40.00) | BUC250 |
| | 3 | 96.8 (3.81) | 23.9 (0.94) | 23.59 (52.00) | BUC300 |
| | 3 - 1/2 | 112.8 (4.44) | 23.9 (0.94) | 34.47 (76.00) | BUC350 |
| 4 | 125.5 (4.94) | 26.9 (1.06) | 51.71 (114.00) | BUC400 | |
| 5 | 152.4 (6.00) | 30.2 (1.19) | 67.59 (149.00) | BUC500 | |
| 6 | 187.5 (7.38) | 33.3 (1.31) | 113.40 (250.00) | BUC600 | |

Conduit Bushings for Rigid Metal Conduit and IMC

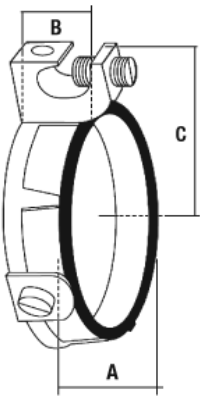
| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|--------------|---------------------------|-------------------|
| | | Diameter | Height | | |
| Threaded Impact Resistant Plastic Bushing — 105 °C Temperature Rating | | | | | |
|  | 1/2 | 26.9 (1.06) | 10.4 (0.41) | 0.27 (0.60) | BBU50 |
| | 3/4 | 33.3 (1.31) | 10.4 (0.41) | 0.36 (0.80) | BBU75 |
| | 1 | 39.6 (1.56) | 14.2 (0.56) | 0.68 (1.50) | BBU100 |
| | 1-1/4 | 48.5 (1.91) | 14.2 (0.56) | 1.04 (2.30) | BBU125 |
| | 1-1/2 | 55.6 (2.19) | 14.2 (0.56) | 1.36 (3.00) | BBU150 |
| | 2 | 68.3 (2.69) | 16.0 (0.63) | 1.81 (4.00) | BBU200 |
| | 2 - 1/2 | 81.0 (3.19) | 18.3 (0.72) | 3.54 (7.80) | BBU250 |
| | 3 | 97.5 (3.84) | 19.1 (0.75) | 4.54 (10.00) | BBU300 |
| | 3 - 1/2 | 110.2 (4.34) | 19.1 (0.75) | 5.90 (13.00) | BBU350 |
| 4 | 122.9 (4.84) | 19.8 (0.78) | 4.99 (11.00) | BBU400 | |
| Threaded Thermoplastic Bushing — 150 °C Temperature Rating | | | | | |
|  | 1/2 | 26.9 (1.06) | 10.4 (0.41) | 0.36 (0.80) | BBU50H |
| | 3/4 | 33.3 (1.31) | 10.4 (0.41) | 0.41 (0.90) | BBU75H |
| | 1 | 39.6 (1.56) | 14.2 (0.56) | 0.82 (1.80) | BBU100H |
| | 1-1/4 | 48.5 (1.91) | 14.2 (0.56) | 1.27 (2.80) | BBU125H |
| | 1-1/2 | 55.6 (2.19) | 14.2 (0.56) | 1.50 (3.30) | BBU150H |
| | 2 | 68.3 (2.69) | 16.0 (0.63) | 2.00 (4.40) | BBU200H |
| | 2 - 1/2 | 81.0 (3.19) | 18.3 (0.72) | 6.49 (14.30) | BBU250H |
| | 3 | 97.5 (3.84) | 19.1 (0.75) | 4.99 (11.00) | BBU300H |
| | 3 - 1/2 | 110.2 (4.34) | 19.1 (0.75) | 6.49 (14.30) | BBU350H |
| 4 | 122.9 (4.84) | 19.8 (0.78) | 8.48 (18.70) | BBU400H | |

Insulated Grounding Bushings for Threaded Rigid Metal Conduit and IMC

GIB-LS-AC and GIB-L-AC Series - with Aluminum Lay-In-Lug™ for Copper or Aluminum Conductors.

GIB-LS-BC and GIB-L-BC Series - with Bronze Lay-In-Lug™ for Copper Conductors Only.


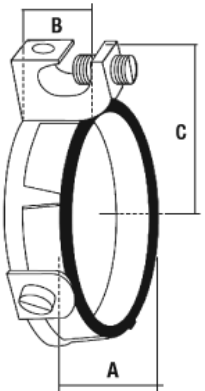
| Trade Size (Inches) | Wire Size | | Dimensions in Millimeters (Inches) | | | Catalog Number Aluminum Lug | Catalog Number Bronze Lug |
|---------------------|-----------|---------|------------------------------------|------------------|------------------------|-----------------------------|---------------------------|
| | Min. | Max. | A Bushing Diameter | B Bushing Height | C Turning Radius w/Lug | | |
| 1/2 | 14 SOL | 4 STR | 35.8 (1.41) | 11.2 (0.44) | 30.2 (1.19) | GIB-50L-4AC | GIB-50L-4BC |
| 3/4 | 14 SOL | 4 STR | 36.6 (1.44) | 12.7 (0.50) | 33.3 (1.31) | GIB-75L-4AC | GIB-75L-4BC |
| 1 | 14 SOL | 4 STR | 44.5 (1.75) | 14.2 (0.56) | 36.6 (1.44) | GIB-100L-4AC | GIB-100L-4BC |
| 1 | 14 SOL | 2/0 STR | 44.5 (1.75) | 14.2 (0.56) | 42.9 (1.69) | GIB-100L-20AC | GIB-100L-20BC |
| 1-1/4 | 14 SOL | 4 STR | 54.1 (2.13) | 16.0 (0.63) | 41.4 (1.63) | GIB-125L-4AC | GIB-125L-4BC |
| 1-1/4 | 14 SOL | 2/0 STR | 54.1 (2.13) | 16.0 (0.63) | 35.8 (1.41) | GIB-125L-20AC | GIB-125L-20BC |
| 1-1/2 | 14 SOL | 4 STR | 58.7 (2.31) | 17.5 (0.69) | 44.5 (1.75) | GIB-150L-4AC | GIB-150L-4BC |
| 1-1/2 | 14 SOL | 2/0 STR | 58.7 (2.31) | 17.5 (0.69) | 50.8 (2.00) | GIB-150L-20AC | GIB-150L-20BC |
| 2 | 14 SOL | 4 STR | 71.4 (2.81) | 19.1 (0.75) | 50.8 (2.00) | GIB-200L-4AC | GIB-200L-4BC |
| 2 | 14 SOL | 2/0 STR | 71.4 (2.81) | 19.1 (0.75) | 57.2 (2.25) | GIB-200L-20AC | GIB-200L-20BC |
| 2-1/2 | 14 SOL | 4 STR | 85.9 (3.38) | 22.4 (0.88) | 57.2 (2.25) | GIB-250L-4AC | GIB-250L-4BC |
| 2-1/2 | 14 SOL | 2/0 STR | 85.9 (3.38) | 22.4 (0.88) | 63.5 (2.50) | GIB-250L-20AC | GIB-250L-20BC |
| 2-1/2 | 6 STR | 250 STR | 85.9 (3.38) | 22.4 (0.88) | 62.7 (2.47) | GIB-250L-25AC | GIB-250L-25BC |
| 3 | 14 SOL | 4 STR | 103.1 (4.06) | 33.3 (1.31) | 66.8 (2.63) | GIB-300L-4AC | GIB-300L-4BC |
| 3 | 14 SOL | 2/0 STR | 103.1 (4.06) | 33.3 (1.31) | 71.4 (2.81) | GIB-300L-20AC | GIB-300L-20BC |
| 3 | 6 STR | 250 STR | 103.1 (4.06) | 33.3 (1.31) | 84.1 (3.31) | GIB-300L-25AC | GIB-300L-25BC |



Insulated Grounding Bushings for Threaded Rigid Metal Conduit and IMC

GIB-LS-AC and GIB-L-AC Series - with Aluminum Lay-In-Lug™ for Copper or Aluminum Conductors.

GIB-LS-BC and GIB-L-BC Series - with Bronze Lay-In-Lug™ for Copper Conductors Only.

| Trade Size (Inches) | Wire Size | | Dimensions in Millimeters (Inches) | | | Catalog Number Aluminum Lug | Catalog Number Bronze Lug | |
|---|-----------|--------|------------------------------------|------------------|------------------------|-----------------------------|---------------------------|---------------|
| | Min. | Max. | A Bushing Diameter | B Bushing Height | C Turning Radius w/Lug | | | |
|  | 3-1/2 | 14 SOL | 4 STR | 114.3 (4.50) | 25.4 (1.00) | 73.2 (2.88) | GIB-350L-4AC | GIB-350L-4BC |
| | 3-1/2 | 14 SOL | 2/0 STR | 114.3 (4.50) | 25.4 (1.00) | 77.7 (3.06) | GIB-350L-20AC | GIB-350L-20BC |
| | 3-1/2 | 6 STR | 250 STR | 114.3 (4.50) | 25.4 (1.00) | 88.9 (3.50) | GIB-350L-25AC | GIB-350L-25BC |
| | 4 | 14 SOL | 4 STR | 131.8 (5.19) | 26.9 (1.06) | 79.5 (3.13) | GIB-400L-4AC | GIB-400L-4BC |
| | 4 | 14 SOL | 2/0 STR | 131.8 (5.19) | 26.9 (1.06) | 85.9 (3.38) | GIB-400L-20AC | GIB-400L-20BC |
| | 4 | 6 STR | 250 STR | 131.8 (5.19) | 26.9 (1.06) | 96.8 (3.81) | GIB-400L-25AC | GIB-400L-25BC |
|  | 5 | 14 SOL | 4 STR | 153.9 (6.06) | 31.8 (1.25) | 92.2 (3.63) | GIB-500L-4AC | GIB-500L-4BC |
| | 5 | 14 SOL | 2/0 STR | 153.9 (6.06) | 31.8 (1.25) | 98.6 (3.88) | GIB-500L-20AC | GIB-500L-20BC |
| | 5 | 6 STR | 250 STR | 153.9 (6.06) | 31.8 (1.25) | 109.5 (4.31) | GIB-500L-25AC | GIB-500L-25BC |
| | 6 | 14 SOL | 4 STR | 184.2 (7.25) | 33.3 (1.31) | 108.0 (4.25) | GIB-600L-4AC | GIB-600L-4BC |
| | 6 | 14 SOL | 2/0 STR | 184.2 (7.25) | 33.3 (1.31) | 112.8 (4.44) | GIB-600L-20AC | GIB-600L-20BC |
| | 6 | 6 STR | 250 STR | 184.2 (7.25) | 33.3 (1.31) | 124.0 (4.88) | GIB-600L-25AC | GIB-600L-25BC |

Set Screw and Non-Set Screw Insulated Grounding Bushings for Threadless/ Threaded Rigid Metal Conduit/IMC

GIB-LS-AC and GIB-L-AC Series - with Aluminum Lay-In-Lug™ for Copper or Aluminum Conductors.

Applications

- GIB-LS Series insulated bushings fasten and ground threadless rigid metal conduit to an enclosure.
- GIB-L Series insulated bushings fasten and ground threaded rigid metal conduit to an enclosure.
- Can be used with a locknut to terminate conduit at an enclosure.
- Lug used to connect bonding jumper to a neutral bus bar.

Features

- Temperature rating 150 °C.
- Insulating liner material is self-extinguishing.
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.

- GIB-LS Series is provided with a set-screw allowing fitting to lock bushing in any desired position.
- UL listed for use with copper or aluminum grounding conductors.
- Lugs not sold separately.

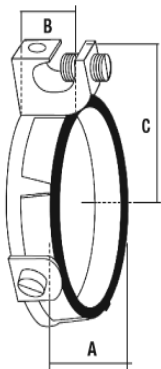
Material/Finish

- Body: malleable iron/zinc plated
- Lug: aluminum/tin plated or bronze/bright dip
- Clamping and set screw: steel/zinc plated

Certifications and Compliances


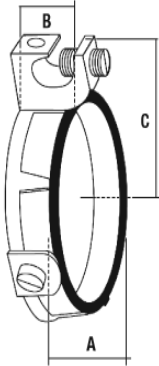
- UL Standard: 467
- UL Listed: E6581
- CSA Standard: C22.2 No. 41
- NEMA: FB-1

| Trade Size (Inches) | Wire Size | | Dimensions in Millimeters (Inches) | | | Catalog Number Aluminum Lug |
|---------------------|-----------|---------|------------------------------------|------------------|------------------------|-----------------------------|
| | Min. | Max. | A Bushing Diameter | B Bushing Height | C Turning Radius w/Lug | |
| 1/2 | 14 SOL | 4 STR | 30.2 (1.19) | 11.2 (0.44) | 30.2 (1.19) | GIB-50LS-4AC |
| 3/4 | 14 SOL | 4 STR | 36.6 (1.44) | 12.7 (0.50) | 33.3 (1.31) | GIB-75LS-4AC |
| 1 | 14 SOL | 4 STR | 44.5 (1.75) | 14.2 (0.56) | 36.6 (1.44) | GIB-100LS-4AC |
| 1 | 14 SOL | 2/0 STR | 44.5 (1.75) | 14.2 (0.56) | 42.9 (1.69) | GIB-100LS-20AC |
| 1-1/4 | 14 SOL | 4 STR | 54.1 (2.13) | 16.0 (0.63) | 41.4 (1.63) | GIB-125LS-4AC |
| 1-1/4 | 14 SOL | 2/0 STR | 54.1 (2.13) | 16.0 (0.63) | 35.8 (1.41) | GIB-125LS-20AC |
| 1-1/2 | 14 SOL | 4 STR | 58.7 (2.31) | 17.5 (0.69) | 44.5 (1.75) | GIB-150LS-4AC |
| 1-1/2 | 14 SOL | 2/0 STR | 58.7 (2.31) | 17.5 (0.69) | 50.8 (2.00) | GIB-150LS-20AC |
| 2 | 14 SOL | 4 STR | 71.4 (2.81) | 19.1 (0.75) | 50.8 (2.00) | GIB-200LS-4AC |
| 2 | 14 SOL | 2/0 STR | 71.4 (2.81) | 19.1 (0.75) | 57.2 (2.25) | GIB-200LS-20AC |
| 2-1/2 | 14 SOL | 4 STR | 85.9 (3.38) | 22.4 (0.88) | 57.2 (2.25) | GIB-250LS-4AC |
| 2-1/2 | 14 SOL | 2/0 STR | 85.9 (3.38) | 22.4 (0.88) | 63.5 (2.50) | GIB-250LS-20AC |
| 2-1/2 | 6 STR | 250 STR | 85.9 (3.38) | 22.4 (0.88) | 62.7 (2.47) | GIB-250LS-25AC |
| 3 | 14 SOL | 4 STR | 103.1 (4.06) | 33.3 (1.31) | 66.8 (2.63) | GIB-300LS-4AC |
| 3 | 14 SOL | 2/0 STR | 103.1 (4.06) | 33.3 (1.31) | 71.4 (2.81) | GIB-300LS-20AC |
| 3 | 6 STR | 250 STR | 103.1 (4.06) | 33.3 (1.31) | 84.1 (3.31) | GIB-300LS-25AC |



Set Screw Insulated Grounding Bushings for Threadless Rigid Metal Conduit/IMC

GIB-LS-AC and GIB-L-AC Series - with Aluminum Lay-In-Lug™ for Copper or Aluminum Conductors.

| Trade Size (Inches) | Wire Size | | Dimensions in Millimeters (Inches) | | | Catalog Number Aluminum Lug | |
|---|-----------|--------|------------------------------------|------------------|------------------------|-----------------------------|-----------------------|
| | Min. | Max. | A Bushing Diameter | B Bushing Height | C Turning Radius w/Lug | | |
|  | 3-1/2 | 14 SOL | 4 STR | 114.3 (4.50) | 25.4 (1.00) | 73.2 (2.88) | GIB-350LS-4AC |
| | 3-1/2 | 14 SOL | 2/0 STR | 114.3 (4.50) | 25.4 (1.00) | 77.7 (3.06) | GIB-350LS-20AC |
| | 3-1/2 | 6 STR | 250 STR | 114.3 (4.50) | 25.4 (1.00) | 88.9 (3.50) | GIB-350LS-25AC |
| | 4 | 14 SOL | 4 STR | 131.8 (5.19) | 26.9 (1.06) | 79.5 (3.13) | GIB-400LS-4AC |
| | 4 | 14 SOL | 2/0 STR | 131.8 (5.19) | 26.9 (1.06) | 85.9 (3.38) | GIB-400LS-20AC |
| | 4 | 6 STR | 250 STR | 131.8 (5.19) | 26.9 (1.06) | 96.8 (3.81) | GIB-400LS-25AC |
|  | 5 | 14 SOL | 4 STR | 153.9 (6.06) | 31.8 (1.25) | 92.2 (3.63) | GIB-500LS-4AC |
| | 5 | 14 SOL | 2/0 STR | 153.9 (6.06) | 31.8 (1.25) | 98.6 (3.88) | GIB-500LS-20AC |
| | 5 | 6 STR | 250 STR | 153.9 (6.06) | 31.8 (1.25) | 109.5 (4.31) | GIB-500LS-25AC |
| | 6 | 14 SOL | 4 STR | 184.2 (7.25) | 33.3 (1.31) | 108.0 (4.25) | GIB-600LS-4AC |
| | 6 | 14 SOL | 2/0 STR | 184.2 (7.25) | 33.3 (1.31) | 112.8 (4.44) | GIB-600LS-20AC |
| | 6 | 6 STR | 250 STR | 184.2 (7.25) | 33.3 (1.31) | 124.0 (4.88) | GIB-600LS-25AC |

NEER Zinc GBL Grounding Type Insulated Bushings

For Rigid Conduit and IMC

Applications

- Used with a locknut to terminate rigid metal conduit or IMC conduit to a box or enclosure.

Features

- Threaded (NPS) for rigid conduit and IMC.
- Temperature rating 150 °C.
- Low surface friction permits pulling of wires with virtually no abrasion on the cable insulation.
- Set screw provided with each fitting locks bushing in any desired position.
- For use with copper or aluminum grounding conductors.

Material/Finish

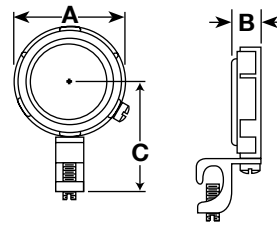
- Body: zinc
- Lug: aluminum/tin plated
- Clamping screw: steel/zinc plated
- Set screws: steel/zinc plated

Certifications and Compliances

- UL Standard: 467
- UL Listed: E37337
- CSA Standard: C22.2 No. 41
- CSA Certified: 208044
- NEMA: FB-1



GBL



| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|-----------------------|-----------------------|---------------------------|------------|----------------|
| Trade Size (Inches) | A Bushing Diameter | B Bushing Diameter | C Turning Radius w/Lug | Wire Range | Catalog Number |
| 1/2 | 26.4 (1.04) | 12.4 (0.49) | 34.5 (1.36) | 4-14 | GBL-100 |
| 3/4 | 32.5 (1.28) | 12.4 (0.49) | 37.6 (1.48) | 4-14 | GBL-200 |
| 1 | 38.9 (1.53) | 15.2 (0.60) | 39.9 (1.57) | 4-14 | GBL-300 |
| 1-1/4 | 48.0 (1.89) | 15.5 (0.61) | 54.4 (2.14) | 1/0-14 | GBL-400 |
| 1-1/2 | 54.9 (2.16) | 15.2 (0.60) | 57.4 (2.26) | 1/0-14 | GBL-500 |
| 2 | 67.6 (2.66) | 15.2 (0.60) | 63.2 (2.49) | 1/0-14 | GBL-600 |
| 2 - 1/2 | 82.0 (3.23) | 21.1 (0.83) | 70.1 (2.76) | 1/0-14 | GBL-700 |
| 3 | 97.8 (3.85) | 21.1 (0.83) | 78.0 (3.07) | 1/0-14 | GBL-800 |
| 3 - 1/2 | 110.5 (4.35) | 21.1 (0.83) | 84.6 (3.33) | 1/0-14 | GBL-900 |
| 4 | 123.7 (4.87) | 21.1 (0.83) | 90.7 (3.57) | 1/0-14 | GBL-1000 |

NEER Bushings

GB: Insulated

Applications

- Used with a locknut to terminate rigid and IMC conduit to a box or enclosure.
- Provides a smooth pulling surface.

Features

- Plastic throat liner prevents damage to wire insulation.
- Insuliner rated at 150 °C (302 °F).

Material/Finish

- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- NEMA: FB-1



GB-100

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Wire Range | Catalog Number |
|------------------------|---------------------------------------|-------------|---------------|-------------------|
| | Diameter | Height | | |
| 1/2 | 26.4 (1.40) | 10.7 (0.42) | 4-14 | GB-100 |
| 3/4 | 33.5 (1.32) | 12.4 (0.49) | 4-14 | GB-200 |
| 1 | 38.1 (1.50) | 12.7 (0.50) | 4-14 | GB-300 |
| 1-1/4 | 49.5 (1.95) | 17.0 (0.67) | 1/0-14 | GB-400 |
| 1-1/2 | 54.1 (2.13) | 16.5 (0.65) | 1/0-14 | GB-500 |
| 2 | 68.8 (2.71) | 18.5 (0.73) | 1/0-14 | GB-600 |
| 2 - 1/2 | 86.6 (3.41) | 23.6 (0.93) | 1/0-14 | GB-700 |
| 3 | 104.1 (4.10) | 25.4 (1.00) | 1/0-14 | GB-800 |
| 3 - 1/2 | 108.7 (4.28) | 19.1 (0.75) | 1/0-14 | GB-900 |
| 4 | 128.0 (5.04) | 25.4 (1.00) | 1/0-14 | GB-1000 |

PB-D: Insulating

Applications

- Threaded plastic bushings are used at the end of threaded conduit, or conduit connector, to provide smooth well rounded bearing surface for wires or cables as required by the National Electrical Code.

Features

- Temperature rating is 105 °C (221 °F).

Material/Finish

- Gray polypropylene

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E61301
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 229356
- NEMA: FB-1
- UL Flammability Rating: V-2



PB-D

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | |
|------------------------|------------------------------------|-------------|------------------|
| | Diameter | Height | Catalog Number |
| 1/2 | 26.2 (1.03) | 9.4 (0.37) | PB-100-D |
| 3/4 | 32.5 (1.28) | 9.9 (0.39) | PB-200-D |
| 1 | 41.9 (1.65) | 12.7 (0.50) | PB-300-D |
| 1-1/4 | 53.3 (2.10) | 12.4 (0.49) | PB-400-D |
| 1-1/2 | 57.9 (2.28) | 12.4 (0.49) | PB-500-D |
| 2 | 67.6 (2.66) | 13.7 (0.54) | PB-600-D |
| 2 - 1/2 | 84.1 (3.31) | 16.0 (0.63) | PB-700-D |
| 3 | 100.3 (3.95) | 17.8 (0.70) | PB-800-D |
| 3 - 1/2 | 112.0 (4.41) | 18.0 (0.71) | PB-900-D |
| 4 | 125.5 (4.94) | 18.5 (0.73) | PB-1000-D |
| 5 | 162.1 (6.38) | 25.4 (1.00) | PB-1100-D |
| 6 | 190.5 (7.50) | 25.1 (0.99) | PB-1200-D |

NEER Standard Conduit Locknuts

L-D: Zinc Diecast

Applications

- For securing threaded conduit or connectors with tapered or straight thread to a knockout or unthreaded slip hole.

Features

- Single cast thread eliminates cross-threading.
- UL Listed as a fittings locknut and stand alone rigid conduit locknut.
- All locknuts are symmetrical and can be assembled from either side.
- Conical flange on either side enters the knockout creating a 360° ground path.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



L-100-D

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|------------|----------------|
| | Diameter | Height | |
| 1/2 | 27.9 (1.10) | 4.1 (0.16) | L-100-D |
| 3/4 | 34.5 (1.36) | 4.1 (0.16) | L-200-D |
| 1 | 42.7 (1.68) | 5.1 (0.20) | L-300-D |
| 1 - 1/4 | 52.1 (2.05) | 5.3 (0.21) | L-400-D |
| 1 - 1/2 | 60.5 (2.38) | 5.3 (0.21) | L-500-D |
| 2 | 73.9 (2.91) | 5.3 (0.21) | L-600-D |
| 2 - 1/2 | 89.4 (3.52) | 7.4 (0.29) | L-700-D |
| 3 | 105.4 (4.15) | 7.6 (0.30) | L-800-D |
| 3 - 1/2 | 118.1 (4.65) | 7.1 (0.28) | L-900-D |
| 4 | 130.0 (5.12) | 7.4 (0.29) | L-1000-D |

L: Steel

Applications

- For securing threaded conduit or connectors with tapered or straight thread to a knockout or unthreaded slip hole.

Material/Finish

- Steel/zinc plated



L-100

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | Diameter | Height | |
| 1/2 | 28.7 (1.13) | 3.3 (0.13) | L-100 |
| 3/4 | 35.6 (1.40) | 3.3 (0.13) | L-200 |
| 1 | 43.7 (1.72) | 3.8 (0.15) | L-300 |
| 1-1/4 | 52.8 (2.08) | 3.8 (0.15) | L-400 |
| 1-1/2 | 61.0 (2.40) | 4.1 (0.16) | L-500 |
| 2 | 73.7 (2.90) | 4.3 (0.17) | L-600 |
| 2-1/2 | 88.4 (3.48) | 4.8 (0.19) | L-700 |
| 3 | 104.9 (4.13) | 4.6 (0.18) | L-800 |
| 3-1/2 | 119.4 (4.70) | 5.1 (0.20) | L-900 |
| 4 | 135.1 (5.32) | 5.1 (0.20) | L-1000 |
| 5 | 162.1 (6.38) | 10.7 (0.42) | L-1100 |
| 6 | 196.9 (7.75) | 10.9 (0.43) | L-1200 |

NEER Standard Conduit Locknuts

GL: Bonding Wedge

Applications

- Used with bushings to bond threaded rigid conduit and IMC to boxes, cabinets or other enclosures where locknut is exposed.

Features

- Threaded for rigid conduit and IMC.

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: 467
- UL Listed: E37337
- NEMA: FB-1



GL-100

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|-------------|-------------------|
| | Diameter | Height | |
| 1/2 | 34.3 (1.35) | 5.1 (0.20) | GL-100-D |
| 3/4 | 40.1 (1.58) | 5.1 (0.20) | GL-200-D |
| 1 | 47.8 (1.88) | 5.6 (0.22) | GL-300-D |
| 1 - 1/4 | 58.4 (2.30) | 5.8 (0.23) | GL-400-D |
| 1 - 1/2 | 66.0 (2.60) | 5.8 (0.23) | GL-500-D |
| 2 | 78.5 (3.09) | 6.6 (0.26) | GL-600-D |
| 2 - 1/2 | 89.4 (3.52) | 11.4 (0.45) | GL-700-D |
| 3 | 106.4 (4.19) | 11.4 (0.45) | GL-800-D |
| 3 - 1/2 | 121.7 (4.79) | 11.4 (0.45) | GL-900-D |
| 4 | 134.9 (5.31) | 11.4 (0.45) | GL-1000-D |

LS: Bonded with Neoprene Gasket

Applications

- Provides a wet location/raintight seal when securing threaded conduit or connectors with tapered or straight thread, to a knockout or unthreaded slip hole of a box or enclosure.

Material/Finish

- Stamped steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- NEMA: FB-1



LS-100

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|-------------|-------------------|
| | Diameter | Height | |
| 1/2 | 28.7 (1.13) | 5.8 (0.23) | LS-100 |
| 3/4 | 35.6 (1.40) | 6.6 (0.26) | LS-200 |
| 1 | 43.7 (1.72) | 6.9 (0.27) | LS-300 |
| 1 - 1/4 | 52.6 (2.07) | 7.4 (0.29) | LS-400 |
| 1 - 1/2 | 60.2 (2.37) | 7.6 (0.30) | LS-500 |
| 2 | 73.4 (2.89) | 8.4 (0.33) | LS-600 |
| 2 - 1/2 | 87.4 (3.44) | 8.6 (0.34) | LS-700 |
| 3 | 104.6 (4.12) | 9.1 (0.36) | LS-800 |
| 3 - 1/2 | 118.9 (4.68) | 10.2 (0.40) | LS-900 |
| 4 | 133.1 (5.24) | 10.2 (0.40) | LS-1000 |

NEER Reducing Washers and Bushings

RWN: Reducing Washer

Applications

- Reduce knockout size on sheet metal box, enclosure or cabinet.

Material/Finish

- Galvanized steel

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E61301
- NEMA: FB-1

Note:

- Two reducing washers are required for each knockout.



RWN

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|------------------|----------------|
| | Inside Diameter | Outside Diameter | |
| 3/4 x 1/2 | 22.4 (0.88) | 36.6 (1.44) | RWN-503 |
| 1 x 1/2 | 22.4 (0.88) | 44.5 (1.75) | RWN-504 |
| 1 x 3/4 | 28.2 (1.11) | 44.5 (1.75) | RWN-505 |
| 1-1/4 x 1/2 | 22.4 (0.88) | 55.6 (2.19) | RWN-506 |
| 1-1/4 x 3/4 | 28.2 (1.11) | 55.6 (2.19) | RWN-507 |
| 1-1/4 x 1 | 34.8 (1.37) | 55.6 (2.19) | RWN-508 |
| 1-1/2 x 1/2 | 22.4 (0.88) | 63.5 (2.50) | RWN-509 |
| 1-1/2 x 3/4 | 28.2 (1.11) | 63.5 (2.50) | RWN-510 |
| 1-1/2 x 1 | 34.8 (1.37) | 63.5 (2.50) | RWN-511 |
| 1-1/2 x 1-1/4 | 43.9 (1.73) | 63.5 (2.50) | RWN-512 |
| 2 x 1/4 | 22.4 (0.88) | 76.2 (3.00) | RWN-513 |
| 2 x 3/4 | 28.2 (1.11) | 76.2 (3.00) | RWN-514 |
| 2 x 1 | 34.8 (1.37) | 76.2 (3.00) | RWN-515 |
| 2 x 1-1/4 | 43.9 (1.73) | 76.2 (3.00) | RWN-516 |
| 2 x 1-1/2 | 50.3 (1.98) | 76.2 (3.00) | RWN-517 |

RB: Reducing Bushing Flush Type

Applications

- To reduce the trade size of a tapered entry.

Features

- Threaded for rigid conduit and IMC.

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-163167
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 70872
- NEMA: FB-1



RB

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | Diameter | Height | |
| 3/4 x 1/2 | 17.0 (0.67) | 26.2 (1.03) | RB-2 |
| 1 x 1/2 | 18.0 (0.71) | 32.5 (1.28) | RB-3 |
| 1 x 3/4 | 17.8 (0.70) | 32.3 (1.27) | RB-4 |
| 1-1/4 x 1/2 | 18.0 (0.71) | 41.1 (1.62) | RB-5 |
| 1-1/4 x 3/4 | 20.8 (0.82) | 41.1 (1.62) | RB-6 |
| 1-1/4 x 1 | 20.8 (0.82) | 41.4 (1.63) | RB-7 |
| 1-1/2 x 1/2 | 21.6 (0.85) | 47.5 (1.87) | RB-8 |
| 1-1/2 x 3/4 | 21.6 (0.85) | 47.8 (1.88) | RB-9 |
| 1-1/2 x 1 | 22.1 (0.87) | 47.5 (1.87) | RB-10 |
| 1-1/2 x 1-1/4 | 21.6 (0.85) | 47.5 (1.87) | RB-11 |
| 2 x 1/4 | 24.6 (0.97) | 59.2 (2.33) | RB-12 |
| 2 x 3/4 | 24.9 (0.98) | 59.4 (2.34) | RB-13 |
| 2 x 1 | 25.4 (1.00) | 59.4 (2.34) | RB-14 |
| 2 x 1-1/4 | 24.6 (0.97) | 59.4 (2.34) | RB-15 |
| 2 x 1-1/2 | 25.1 (0.99) | 59.4 (2.34) | RB-16 |

Reducing Washers, Knockout Blanks, Bushing Pennies, Fixture Stems

Applications





- Reducing washer: to reduce a knockout or sliphole in a sheet metal enclosure to a smaller trade size.
- Knockout blank: to close a knockout or sliphole in a sheet metal enclosure.
- Bushing penny: used inside a bushing to prevent foreign material from entering the conduit.
- Fixture stems: to suspend fixtures from threaded rods.

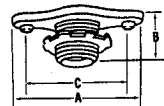
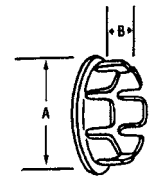
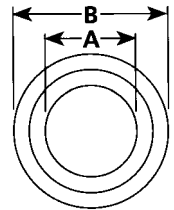
Material

- Washers, blanks and pennies: steel
- Fixture stem: malleable iron

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14817
- CSA Standard: C22.2 No. 18.3
- cUL Listed: E14817
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|-------------|-------------|---------------------------|-------------------|
| | | A | B | C | | |
| Reducing Washers — Steel | | | | | | |
|  | 3/4 to 1/2 | 34.0 (1.34) | 22.4 (0.88) | - | 0.54 (1.20) | RW75-50 |
| | 1 to 1/2 | 42.9 (1.69) | 22.4 (0.88) | - | 1.09 (2.40) | RW100-50 |
| | 1 to 3/4 | 42.9 (1.69) | 28.2 (1.11) | - | 0.91 (2.00) | RW100-75 |
| | 1-1/4 to 1/2 | 51.6 (2.03) | 22.4 (0.88) | - | 2.27 (5.00) | RW125-50 |
| | 1-1/4 to 3/4 | 51.6 (2.03) | 28.2 (1.11) | - | 1.99 (4.40) | RW125-75 |
| | 1-1/4 to 1 | 51.6 (2.03) | 35.1 (1.38) | - | 1.36 (3.00) | RW125-100 |
| | 1-1/2 to 1/2 | 57.9 (2.28) | 22.4 (0.88) | - | 2.99 (6.60) | RW150-50 |
| | 1-1/2 to 3/4 | 57.9 (2.28) | 28.2 (1.11) | - | 2.72 (6.00) | RW150-75 |
| | 1-1/2 to 1 | 57.9 (2.28) | 35.1 (1.38) | - | 2.27 (5.00) | RW150-100 |
| | 1-1/2 to 1-1/4 | 57.9 (2.28) | 43.9 (1.73) | - | 1.81 (4.00) | RW150-125 |
| | 2 to 1/2 | 69.9 (2.75) | 22.4 (0.88) | - | 4.54 (10.00) | RW200-50 |
| | 2 to 3/4 | 69.9 (2.75) | 28.2 (1.11) | - | 3.63 (8.00) | RW200-75 |
| | 2 to 1 | 69.9 (2.75) | 35.1 (1.38) | - | 3.63 (8.00) | RW200-100 |
| | 2 to 1-1/4 | 69.9 (2.75) | 43.9 (1.73) | - | 3.18 (7.00) | RW200-125 |
| | 2 to 1-1/2 | 69.9 (2.75) | 50.3 (1.98) | - | 2.27 (5.00) | RW200-150 |
| Snap-in Knockout Blanks — Steel ① | | | | | | |
|  | 1/2 | 26.9 (1.06) | 7.9 (0.31) | - | 0.45 (1.00) | S50 |
| | 3/4 | 31.8 (1.25) | 7.9 (0.31) | - | 0.91 (2.00) | S75 |
| | 1 | 38.1 (1.50) | 8.6 (0.34) | - | 1.36 (3.00) | S100 |
| | 1-1/4 | 46.0 (1.81) | 7.9 (0.31) | - | 1.45 (3.20) | S125 |
| | 1-1/2 | 56.4 (2.22) | 9.7 (0.38) | - | 2.18 (4.80) | S150 |
| | 2 | 68.3 (2.69) | 9.7 (0.38) | - | 2.72 (6.00) | S200 |
| Bushing Pennies — Steel ① | | | | | | |
|  | 1/2 | 18.3 (0.72) | - | - | 0.32 (0.70) | P50 |
| | 3/4 | 22.4 (0.88) | - | - | 0.50 (1.10) | P75 |
| | 1 | 27.7 (1.09) | - | - | 0.82 (1.80) | P100 |
| | 1-1/4 | 38.9 (1.53) | - | - | 1.54 (3.40) | P125 |
| | 1-1/2 | 43.7 (1.72) | - | - | 1.81 (4.00) | P150 |
| Open Type No Bolt Fixture Stems — Malleable Iron | | | | | | |
|  | 3/8 Male | 49.3 (1.94) | 17.5 (0.69) | 38.1 (1.50) | 3.63 (8.00) | NBFS-38 |
| | 3/8 Male | 49.3 (1.94) | 17.5 (0.69) | 38.1 (1.50) | 3.63 (8.00) | NBFS-38M |
| | 1/8 Female | 49.3 (1.94) | 17.5 (0.69) | 38.1 (1.50) | 3.63 (8.00) | NBFS-38M |



① Not UL Listed.

Threaded Rigid Conduit and IMC Couplings and Connectors

Applications

- Three piece couplings join two lengths of conduit when neither can be turned.
- Gasketed pulling elbows: provides a compact wire pulling point.
- Elbows provide a 90° change of direction in a conduit run.
- Male to female: for connecting threaded rigid conduit or IMC to box or enclosure.

Material/Finish

- Malleable iron/Zinc electroplate

Certifications and Compliances

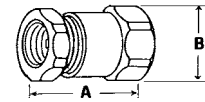
- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|---|---|-------------------|
| | A | B | C | |

Three Piece Coupling — Concretetight



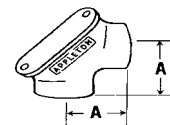
| | | | | |
|-------|---------|---------|---|--------|
| 1/2 | 1 3/8 | 1 7/16 | - | EC-50 |
| 3/4 | 1 5/8 | 1 3/4 | - | EC-75 |
| 1 | 1 13/16 | 1 15/16 | - | EC-100 |
| 1-1/4 | 2 3/16 | 2 3/8 | - | EC-125 |
| 1-1/2 | 2 5/16 | 2 5/8 | - | EC-150 |
| 2 | 2 7/16 | 3 3/8 | - | EC-200 |
| 2-1/2 | 3 3/16 | 4 | - | EC-250 |
| 3 | 3 5/16 | 4 3/16 | - | EC-300 |
| 3-1/2 | 3 1/2 | 5 1/8 | - | EC-350 |
| 4 | 3 3/4 | 5 1/2 | - | EC-400 |
| 5 | 3 11/16 | 6 7/8 | - | EC-500 |
| 6 | 4 5/16 | 8 1/4 | - | EC-600 |




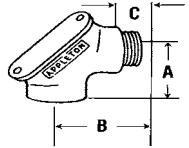

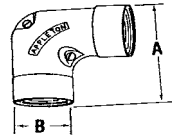

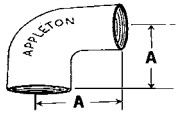

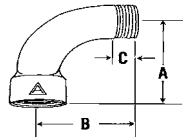

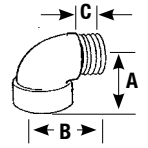

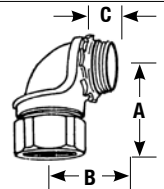
90° Female Gasketed Pulling Elbows — Raintight



| | | | | |
|-------|-------|---------|---|---------|
| 1/2 | 1 7/8 | 1 7/16 | - | FFL-50 |
| 3/4 | 2 1/4 | 1 9/16 | - | FFL-75 |
| 1 | 2 3/4 | 1 15/16 | - | FFL-100 |
| 1-1/4 | 3 1/4 | 2 5/16 | - | FFL-125 |
| 1-1/2 | 3 3/4 | 2 9/16 | - | FFL-150 |
| 2 | 4 5/8 | 3 1/4 | - | FFL-200 |



Threaded Rigid Conduit and IMC Couplings and Connectors

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---|------------------------|------------------------------------|--------------|-------------|---|
| | | A | B | C | |
| 90° Male to Female Gasketed Pulling Elbows – Raintight | | | | | |
|  | 1/2 | 1 7/8 | 1 3/8 | 7/16 | MFL-50 |
| | 3/4 | 2 1/4 | 1 1/2 | 1/2 | MFL-75 |
| | 1 | 2 3/4 | 1 3/4 | 9/16 | MFL-100 |
| | 1-1/4 | 3 1/4 | 2 1/8 | 11/16 | MFL-125 |
| | 1-1/2 | 3 3/4 | 2 11/16 | 11/16 | MFL-150 |
| | 2 | 4 5/8 | 2 13/16 | 13/16 | MFL-200 |
| | | | | |  |
| 90° Female Pulling Elbows ① | | | | | |
|  | 1/2 | 62.0 (2.44) | 28.7 (1.13) | - | PFFL-50 |
| | 3/4 | 69.1 (2.72) | 35.1 (1.38) | - | PFFL-75 |
| | 1 | 82.6 (3.25) | 43.7 (1.72) | - | PFFL-100 |
| | | | | |  |
| 90° Female Elbows ② | | | | | |
|  | 1/2 | 38.1 (1.50) | - | - | LF90-50 |
| | 3/4 | 42.9 (1.69) | - | - | LF90-75 |
| | | | | |  |
| 90° Male to Female Long Bushed Elbows ① | | | | | |
|  | 1/2 | 44.5 (1.75) | 45.2 (1.78) | 15.0 (0.59) | LMFL90-50 |
| | 3/4 | 57.2 (2.25) | 57.9 (2.28) | 17.5 (0.69) | LMFL90-75 |
| | 1 | 67.6 (2.66) | 68.3 (2.69) | 19.1 (0.75) | LMFL90-100 |
| | 1-1/4 | 84.1 (3.31) | 84.8 (3.34) | 25.4 (1.00) | LMFL90-125 |
| | 1-1/2 | 100.1 (3.94) | 100.8 (3.97) | 26.9 (1.06) | LMFL90-150 |
| | 2 | 101.6 (4.00) | 101.6 (4.00) | 26.9 (1.06) | LMFL90-200 |
| | | | | |  |
| 90° Male to Female Short Bushed Elbows ① | | | | | |
|  | 1/2 | 31.8 (1.25) | 35.8 (1.41) | 12.7 (0.50) | LMF90-50 |
| | 3/4 | 36.6 (1.44) | 42.9 (1.69) | 20.6 (0.81) | LMF90-75 |
| | 1 | 42.2 (1.66) | 49.3 (1.94) | 25.4 (1.00) | LMF90-100 |
| | | | | |  |
| 90° Male to Female Short Box Connectors ① | | | | | |
|  | 1/2 | 31.8 (1.25) | 27.7 (1.09) | 11.2 (0.44) | LMF90-50L |
| | 3/4 | 36.6 (1.44) | 31.8 (1.25) | 11.2 (0.44) | LMF90-75L |
| | | | | |  |

① Not CSA Certified.

NEER Zinc Offset Nipples and Three Piece Couplings

RN: 3/4" Offset

Applications

- To provide an offset connection between two outlet boxes or enclosures.

Material/Finish

- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 70872
- NEMA: FB-1



RN-50

TPC: Three Piece

Applications

- Provides threaded coupling between lengths of rigid conduit and IMC conduit elbows, where neither can be rotated.

Material/Finish

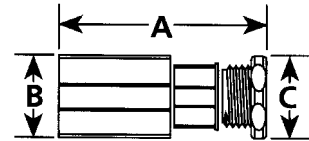
- Malleable iron/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E163167
- NEMA: FB-1



TPC - 50



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|------------------|--|----------------|
| | Body Length | Maximum Diameter | | |
| 1/2 | 62.2 (2.45) | 23.9 (0.94) | | RN-50 |
| 3/4 | 66.0 (2.60) | 29.2 (1.15) | | RN-75 |
| 1 | 70.1 (2.76) | 35.6 (1.40) | | RN-100 |
| 1-1/4 | 73.7 (2.90) | 46.7 (1.84) | | RN-125 |
| 1-1/2 | 77.5 (3.05) | 52.3 (2.06) | | RN-150 |
| 2 | 82.0 (3.23) | 67.6 (2.66) | | RN-200 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|--------------|--------------|----------------|
| | A | B | C | |
| 1/2 | 34.5 (1.36) | 33.0 (1.30) | 30.5 (1.20) | TPC-50 |
| 3/4 | 41.4 (1.63) | 39.9 (1.57) | 33.0 (1.30) | TPC-75 |
| 1 | 43.2 (1.70) | 54.1 (2.13) | 47.8 (1.88) | TPC-100 |
| 1-1/4 | 53.8 (2.12) | 62.0 (2.44) | 54.4 (2.14) | TPC-125 |
| 1-1/2 | 50.8 (2.00) | 73.4 (2.89) | 66.3 (2.61) | TPC-150 |
| 2 | 60.5 (2.38) | 86.6 (3.41) | 79.5 (3.13) | TPC-200 |
| 2 - 1/2 | 64.5 (2.54) | 102.4 (4.03) | 99.3 (3.91) | TPC-250 |
| 3 | 65.0 (2.56) | 16.8 (4.60) | 110.7 (4.36) | TPC-300 |
| 3 - 1/2 | 64.5 (2.54) | 17.1 (4.61) | 111.0 (4.37) | TPC-350 |
| 4 | 100.1 (3.94) | 42.5 (5.61) | 129.5 (5.10) | TPC-400 |

Threaded Rigid Conduit and IMC Enlargers and Nipples

Applications


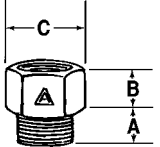

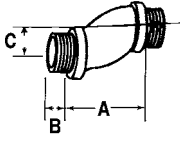
- Male enlargers:
 - Used to adapt an outlet hole to the next larger size of conduit.
- Offset nipples:
 - Provides box to box connection of knockouts
 - Allows misaligned knockout connection by rolling the offset nipple until aligned with each knockout
- Bushed nipples:
 - Used through knockout to connect box to conduit coupling
 - Used with a locknut to connect two boxes side by side or back to back
 - Used with a locknut to connect fixture housings and continuous runs

Material/Finish

- Male enlargers: turned steel
- Offset nipples: malleable iron/zinc plated
- Bushed nipples: malleable iron/zinc plated

Certifications and Compliances



- UL Standard: ANSI/UL 514B
- UL Listed: E11853, E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | |
|---|---------------------|------------------------------------|-------------|-------------|------------------------|--------------------|---|
| | | A | B | C | | | |
| Male Enlargers ① — Turned Steel ① | | | | | | | |
|  | 1/2 | 14.2 (0.56) | 19.8 (0.78) | 35.1 (1.38) | 7.26 (16.00) | ME50-75 ② |  |
| | 3/4 | 12.7 (0.50) | 23.9 (0.94) | 44.5 (1.75) | 1.80 (26.00) | ME75-100 ② | |
| | 1 | 14.2 (0.56) | 26.9 (1.06) | 57.2 (2.25) | 21.32 (47.00) | ME100-125 ② | |
| Offset Nipples — Malleable Iron/Zinc Plated | | | | | | | |
|  | 1/2 | 41.4 (1.63) | 11.2 (0.44) | 19.1 (0.75) | 10.43 (23.00) | OFN-50 |  |
| | 3/4 | 41.4 (1.63) | 11.2 (0.44) | 19.1 (0.75) | 14.06 (31.00) | OFN-75 | |
| | 1 | 41.4 (1.63) | 12.7 (0.50) | 19.1 (0.75) | 19.96 (44.00) | OFN-100 | |
| | 1-1/4 | 41.4 (1.63) | 14.2 (0.56) | 19.1 (0.75) | 27.22 (60.00) | OFN-125 | |
| | 1-1/2 | 41.4 (1.63) | 16.0 (0.63) | 19.1 (0.75) | 37.19 (82.00) | OFN-150 | |
| | 2 | 41.4 (1.63) | 19.1 (0.75) | 19.1 (0.75) | 50.80 (112.00) | OFN-200 | |

① Not CSA Certified.

② Not UL Listed.

Threaded Rigid Conduit and IMC Enlargers and Nipples

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---|------------------------|------------------------------------|-------|------------------|-------------------|
| | | A | B | C | |
| Bushed Nipples — Insulated — Malleable iron/Zinc plated | | | | | |
|  | 1/2 | 1/2 | 3/16 | 1 1/8 | CN-50I |
| | 3/4 | 5/8 | 3/16 | 1 1/4 | CN-75I |
| | 1 | 5/8 | 1/4 | 1 3/4 | CN-100I |
| | 1-1/4 | 7/8 | 1/4 | 2 1/8 | CN-125I |
| | 1-1/2 | 1 | 5/16 | 2 1/2 | CN-150I |
| | 2 | 1 1/8 | 5/16 | 3 | CN-200I |
| | 2-1/2 | 1 1/4 | 3/8 | 3 5/8 | CN-250I |
| | 3 | 1 1/4 | 3/8 | 4 1/2 | CN-300I |
| | 3-1/2 | 1 3/8 | 3/8 | 5 1/8 | CN-350I |
| | 4 | 1 1/4 | 7/16 | 5 1/4 | CN-400I ① |
| | 5 | 1 1/4 | 1/2 | 6 3/8 | CN-500I ① |
| 6 | 1 5/8 | 1/2 | 7 5/8 | CN-600I ① | |
| Bushed Nipples — 3/8 - 1: Zinc Diecast — 1-1/4 - 6: Malleable Iron/Zinc Plated | | | | | |
|  | 3/8 | 1/2 | 1/8 | 7/8 | CN-38 |
| | 1/2 | 1/2 | 3/16 | 1 1/8 | CN-50 |
| | 3/4 | 5/8 | 3/16 | 1 1/4 | CN-75 |
| | 1 | 5/8 | 1/4 | 1 3/4 | CN-100 |
| | 1-1/4 | 7/8 | 1/4 | 2 1/8 | CN-125 |
| | 1-1/2 | 1 | 5/16 | 2 1/2 | CN-150 |
| | 2 | 1 1/8 | 5/16 | 3 | CN-200 |
| | 2-1/2 | 1 1/4 | 3/8 | 3 5/8 | CN-250 |
| | 3 | 1 1/4 | 3/8 | 4 1/2 | CN-300 |
| | 3-1/2 | 1 3/8 | 3/8 | 5 1/8 | CN-350 |
| | 4 | 1 1/4 | 7/16 | 5 1/4 | CN-400 ① |
| 5 | 1 1/4 | 1/2 | 6 3/8 | CN-500 ① | |
| 6 | 1 5/8 | 1/2 | 7 5/8 | CN-600 ① | |

① Not UL Listed.

NEER Zinc CNN Bushed Conduit Nipples

Applications

- Use through knockout to connect box to conduit coupling.
- Use with a locknut to connect two boxes side by side or back to back.
- Use with a locknut to connect fixture housings to continuous runs.

Features

- Male hub threads — NPS.
- Available with insulated throat.

Material/Finish

- Zinc die cast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18
- CSA Certified: 065178
- NEMA: FB-1



CNI-100

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|----------------|-------------------|
| | Maximum Diameter | Body Length | |
| 1/2 | 23.9 (0.94) | 15.0 (0.59) | CNN-100 |
| 3/4 | 30.2 (1.19) | 18.3 (0.72) | CNN-200 |
| 1 | 35.1 (1.38) | 21.6 (0.85) | CNN-300 |
| 1-1/4 | 44.2 (1.74) | 22.1 (0.87) | CNN-400 |
| 1-1/2 | 53.8 (2.12) | 22.9 (0.90) | CNN-500 |
| 2 | 64.8 (2.55) | 29.2 (1.15) | CNN-600 |
| 2-1/2 | 81.5 (3.21) | 36.3 (1.43) | CNN-700 |
| 3 | 96.5 (3.80) | 36.3 (1.43) | CNN-800 |
| 3-1/2 | 108.5 (4.27) | 36.3 (1.43) | CNN-900 |
| 4 | 121.7 (4.79) | 36.3 (1.43) | CNN-1000 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|------------------------------------|----------------|-------------------|
| | Maximum Diameter | Body Length | |
| 1/2 | 23.9 (0.94) | 17.0 (0.67) | CNI-100 |
| 3/4 | 30.2 (1.19) | 20.3 (0.80) | CNI-200 |
| 1 | 35.1 (1.38) | 23.6 (0.93) | CNI-300 |
| 1-1/4 | 44.2 (1.74) | 24.1 (0.95) | CNI-400 |
| 1-1/2 | 53.8 (2.12) | 24.9 (0.98) | CNI-500 |
| 2 | 64.8 (2.55) | 31.2 (1.23) | CNI-600 |

NEER Straps

For Rigid Conduit and IMC.

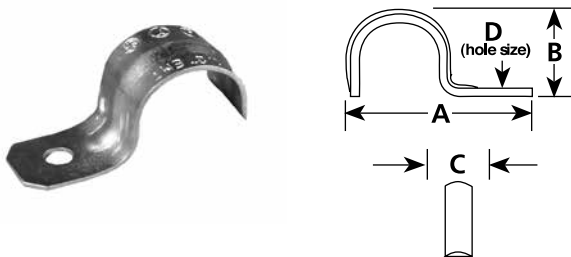
1800: One Hole Click-On

Applications

- Click-on type one hole straps for rigid conduit or IMC.
- Provides support for the conduits, as required by the National Electrical Code.

Material/Finish

- Steel/zinc plated



1801

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|---------------------|------------------------------------|-----------------|----------------|----------------|----------------|
| | A | B | C | D | |
| 1/2 | 47.0 (1.85) | 20.3 (0.80) | 15.7 (0.62) | 6.4 (0.25) | 1801 |
| 3/4 | 31.0 (1.22) | 23.4 (0.92) | 19.1 (0.75) | 6.4 (0.25) | 1802 |
| 1 | 67.3 (2.65) | 29.2 (1.15) | 22.1 (0.87) | 7.9 (0.31) | 1803 |
| 1-1/4 | 75.7 (2.98) | 35.8 (1.41) | 25.1 (0.99) | 9.7 (0.38) | 1804 |
| 1-1/2 | 89.2 (3.51) | 40.9 (1.61) | 25.4 (1.00) | 11.2 (0.44) | 1805 |
| 2 | 105.9 (4.17) | 50.0 (1.97) | 29.0 (1.14) | 13.5 (0.53) | 1806 |
| 2 - 1/2 | 126.7 (4.99) | 72.4 (2.85) | 31.5 (1.24) | 13.5 (0.53) | 1807 |
| 3 | 141.0 (5.55) | 88.1 (3.47) | 31.8 (1.25) | 13.5 (0.53) | 1808 |
| 3 - 1/2 | 158.8 (6.25) | 104.1 (4.10) | 31.8 (1.25) | 13.5 (0.53) | 1809 |
| 4 | 177.8 (7.00) | 114.6 (4.51) | 32.0 (1.26) | 13.5 (0.53) | 1810 |

TH-1800: Two Hole Snap-On

Applications

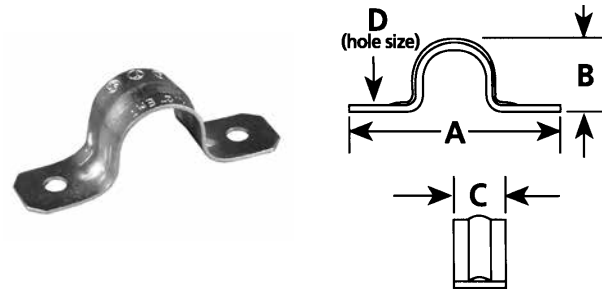
- Snap-on type two hole straps for rigid conduit and IMC are used where higher load bearing supports are desired.

Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: 2239
- UL Listed: E333806
- CSA Standard: C22.2 No. 18.4
- cUL Listed: E333806



TH-1801

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|---------------------|------------------------------------|-----------------|----------------|----------------|----------------|
| | A | B | C | D | |
| 1/2 | 62.7 (2.47) | 21.8 (0.86) | 15.7 (0.62) | 4.8 (0.19) | TH-1801 |
| 3/4 | 71.6 (2.82) | 27.9 (1.10) | 17.3 (0.68) | 4.8 (0.19) | TH-1802 |
| 1 | 85.9 (3.38) | 32.3 (1.27) | 19.1 (0.75) | 6.4 (0.25) | TH-1803 |
| 1-1/4 | 101.6 (4.00) | 42.7 (1.68) | 21.8 (0.86) | 6.4 (0.25) | TH-1804 |
| 1-1/2 | 107.7 (4.24) | 42.4 (1.67) | 22.1 (0.87) | 6.4 (0.25) | TH-1805 |
| 2 | 112.8 (4.44) | 50.3 (1.98) | 23.9 (0.94) | 9.7 (0.38) | TH-1806 |
| 2 - 1/2 | 131.8 (5.19) | 72.9 (2.87) | 24.9 (0.98) | 9.7 (0.38) | TH-1807 |
| 3 | 161.8 (6.37) | 90.4 (3.56) | 25.1 (0.99) | 9.7 (0.38) | TH-1808 |
| 3 - 1/2 | 187.2 (7.37) | 102.9 (4.05) | 25.4 (1.00) | 11.2 (0.44) | TH-1809 |
| 4 | 206.2 (8.12) | 114.6 (4.51) | 25.4 (1.00) | 11.2 (0.44) | TH-1810 |

SCC Series Threaded Rigid Conduit and IMC Bolt-On™ Couplings

For Use with Threaded Rigid Conduit and IMC.

Applications

- Provides a fast inexpensive method of joining two sections of threaded rigid conduit in areas of close conduit spacing, tight clearance locations and irregular conduit bends which may normally require an expensive union.

Features

- Concretetight.
- Fast installation:
 - ① Slip Bolt-On™ Coupling over threaded end of one conduit section.
 - ② Butt the end of the second threaded conduit section to the first.
 - ③ Slip Bolt-On™ Coupling to the center of the two conduit threads and tighten bolt(s).

Material/Finish

- Coupling: malleable iron, zinc electroplated
- Hardware: steel, zinc electroplate
- Gasket: neoprene

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.4
- CSA Certified: 702992
- NEMA: FB-1

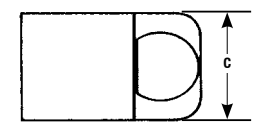
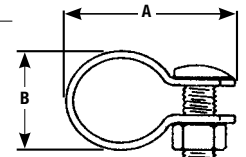


SCC-50



SCC-150

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--|------------------------|------------------------------------|--------------|-------------|---------------------------|-------------------|
| | | A | B | C | | |
| | 1/2 | 50.8 (2.00) | 31.8 (1.25) | 31.8 (1.25) | 15.60 (34.40) | SCC-50 |
| | 3/4 | 58.7 (2.31) | 31.8 (1.25) | 38.1 (1.50) | 17.87 (39.40) | SCC-75 |
| | 1 | 66.7 (2.63) | 44.5 (1.75) | 41.3 (1.63) | 20.41 (45.00) | SCC-100 |
| | 1-1/4 | 66.8 (2.63) | 54.0 (2.13) | 41.3 (1.63) | 27.22 (60.00) | SCC-125 |
| | 1-1/2 | 82.6 (3.25) | 60.3 (2.38) | 50.8 (2.00) | 34.02 (75.00) | SCC-150 |
| | 2 | 88.9 (3.50) | 69.9 (2.75) | 52.4 (2.06) | 48.99 (108.00) | SCC-200 |
| | 2-1/2 | 114.3 (4.50) | 85.7 (3.38) | 77.8 (3.06) | 104.33 (230.00) | SCC-250 |
| | 3 | 127.0 (5.00) | 101.6 (4.00) | 85.7 (3.38) | 136.08 (300.00) | SCC-300 |
| | 3-1/2 | 146.1 (5.75) | 115.9 (4.56) | 82.6 (3.25) | 173.73 (383.00) | SCC-350 |
| | 4 | 158.8 (6.25) | 130.2 (5.13) | 85.7 (3.38) | 188.24 (415.00) | SCC-400 |



Rigid Metal Conduit, IMC or EMT "K-Clamps"

Applications

- Designed to secure rigid metal conduit, IMC or EMT across, parallel or perpendicular to beam, channel and angle supports.

Features




- Easily installs.
- Capable of withstanding heavy loads.

Material/Finish

- Castings: malleable iron/hot dip galvanized
- Hardware: steel/mechanically galvanized

Certifications and Compliances

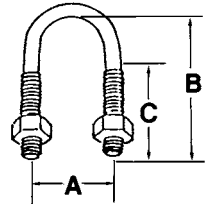
- CSA Standard: C22.2 No. 18.4
- CSA Certified: 065178

| | Trade Size (Inches) | Weight per 100 kg (lb) | Catalog Number |
|--|------------------------|---------------------------|-------------------|
| Right Angle Type — Hot Dip/Mechanically Galvanized — For Rigid, IMC, EMT | | | |
|  <p>Right Angle Type</p> | 1/2 | 16.78 (37.00) | PC-50RA |
| | 3/4 | 18.14 (40.00) | PC-75RA |
| | 1 | 19.05 (42.00) | PC-100RA |
| | 1-1/4 | 22.23 (49.00) | PC-125RA |
| | 1-1/2 | 24.49 (54.00) | PC-150RA |
| | 2 | 32.21 (71.00) | PC-200RA |
| | 2-1/2 | 43.09 (95.00) | PC-250RA |
| | 3 | 48.53 (107.00) | PC-300RA |
| | 3-1/2 | 54.43 (120.00) | PC-350RA |
| | 4 | 59.42 (131.00) | PC-400RA |
| | 5 | 72.57 (160.00) | PC-500RA ① |
| | 6 | 88.45 (195.00) | PC-600RA ① |
| Parallel Type — Hot Dip/Mechanically Galvanized — For Rigid, IMC, EMT | | | |
|  <p>Parallel Type</p> | 1/2 | 22.68 (50.00) | PC-50PAR |
| | 3/4 | 24.04 (53.00) | PC-75PAR |
| | 1 | 27.22 (60.00) | PC-100PAR |
| | 1-1/4 | 31.75 (70.00) | PC-125PAR |
| | 1-1/2 | 37.19 (82.00) | PC-150PAR |
| | 2 | 59.87 (132.00) | PC-200PAR |
| | 2-1/2 | 87.09 (192.00) | PC-250PAR |
| | 3 | 88.00 (194.00) | PC-300PAR |
| | 3-1/2 | 97.98 (216.00) | PC-350PAR |
| | 4 | 105.23 (232.00) | PC-400PAR |
| Edge Type — Hot Dip/Mechanically Galvanized — For Rigid Conduit Only | | | |
|  <p>Edge Type</p> | 1/2 | 28.58 (63.00) | PC-50ET |
| | 3/4 | 31.30 (69.00) | PC-75ET |
| | 1 | 37.19 (82.00) | PC-100ET |
| | 1-1/4 | 43.09 (95.00) | PC-125ET |
| | 1-1/2 | 49.00 (108.00) | PC-150ET |
| | 2 | 54.88 (121.00) | PC-200ET |
| | 2-1/2 | 69.40 (153.00) | PC-250ET |
| | 3 | 97.07 (214.00) | PC-300ET |

① Not CSA Certified.

Rigid Metal Conduit, IMC or EMT "U-Bolts"

| Dimensions in Millimeters (Inches) | | | | | | | |
|---|--------------------|--------------------|------------------------|-----------------|----------------------|----------------|--|
| Trade Size (Inches) | A Bushing Diameter | B Bushing Diameter | C Turning Radius w/Lug | UNC Thread Size | Weight per 100 (lbs) | Catalog Number | |
| Heavy-Duty U-Bolts with Hex Nuts ① – Mechanically Galvanized – For Rigid, IMC, EMT | | | | | | | |
| 1/2 | 26.4 (1.04) | 12.4 (0.49) | 34.5 (1.36) | 5/16-18 | 5.44 (12.00) | UBC-50 | |
| 3/4 | 32.5 (1.28) | 12.4 (0.49) | 37.6 (1.48) | 5/16-18 | 6.35 (14.00) | UBC-75 | |
| 1 | 38.9 (1.53) | 15.2 (0.60) | 39.9 (1.57) | 5/16-18 | 7.71 (17.00) | UBC-100 | |
| 1-1/4 | 48.0 (1.89) | 15.5 (0.61) | 54.4 (2.14) | 5/16-18 | 8.62 (19.00) | UBC-125 | |
| 1-1/2 | 54.9 (2.16) | 15.2 (0.60) | 57.4 (2.26) | 5/16-18 | 9.53 (21.00) | UBC-150 | |
| 2 | 67.6 (2.66) | 15.2 (0.60) | 63.2 (2.49) | 3/8-16 | 12.70 (28.00) | UBC-200 | |
| 2 - 1/2 | 82.0 (3.23) | 21.1 (0.83) | 70.1 (2.76) | 3/8-16 | 16.78 (37.00) | UBC-250 | |
| 3 | 97.8 (3.85) | 21.1 (0.83) | 78.0 (3.07) | 3/8-16 | 19.05 (42.00) | UBC-300 | |
| 3 - 1/2 | 110.5 (4.35) | 21.1 (0.83) | 84.6 (3.33) | 3/8-16 | 20.87 (46.00) | UBC-350 | |
| 4 | 123.7 (4.87) | 21.1 (0.83) | 90.7 (3.57) | 3/8-16 | 23.13 (51.00) | UBC-400 | |
| 5 | 153.9 (6.06) | 187.5 (7.38) | 50.8 (2.00) | 3/8-16 | 28.12 (62.00) | UBC-500 | |
| 6 | 181.1 (7.13) | 212.9 (8.38) | 50.8 (2.00) | 3/8-16 | 34.47 (76.00) | UBC-600 | |



① Not CSA Certified.

Rigid Metal Conduit, IMC or EMT Hang-On® Hangers

Applications

- To secure rigid metal conduit, IMC or EMT to threaded rod, supports or direct to mounting surface.

Features

- Available with bolt or swing bolt.

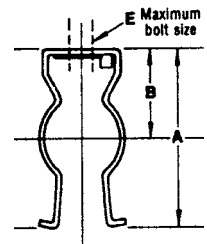
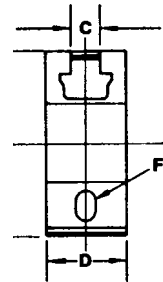
Material/Finish

- Steel/zinc plated

Certifications and Compliances

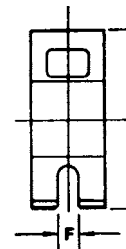
- UL Standard: 2239
- CSA Standard: C22.2 No. 18.4
- CSA Certified: 065178

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | | Weight per 100 (lbs) | Catalog Number |
|--|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|
| | A | B | C | D | E | F | | |
| Hang-On® Conduit Hangers with Bolts — Steel/Zinc Plated | | | | | | | | |
| 1/2 | 47.8 (1.88) | 22.4 (0.88) | 7.1 (0.28) | 19.1 (0.75) | 6.4 (0.25) | 7.1 (0.28) | 2.72 (6.00) | H50WB |
| 3/4 | 50.8 (2.00) | 23.1 (0.91) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 7.1 (0.28) | 3.18 (7.00) | H75WB |
| 1 | 61.2 (2.41) | 29.5 (1.16) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 7.1 (0.28) | 4.08 (9.00) | H100WB |
| 1-1/4 | 71.4 (2.81) | 35.1 (1.38) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 7.1 (0.28) | 4.54 (10.00) | H125WB |
| 1-1/2 | 81.8 (3.22) | 41.4 (1.63) | 17.5 (0.69) | 25.4 (1.00) | 7.9 (0.31) | 7.1 (0.28) | 7.26 (16.00) | H150WB |
| 2 | 95.3 (3.75) | 47.8 (1.88) | 8.6 (0.34) | 31.8 (1.25) | 7.9 (0.31) | 7.1 (0.28) | 11.70 (25.80) | H200WB |
| 2 - 1/2 | 107.2 (4.22) | 54.1 (2.13) | 8.6 (0.34) | 31.8 (1.25) | 7.9 (0.31) | 7.1 (0.28) | 11.79 (26.00) | H250WB |
| 3 | 124.0 (4.88) | 60.5 (2.38) | 8.6 (0.34) | 31.8 (1.25) | 7.9 (0.31) | 7.1 (0.28) | 13.61 (30.00) | H300WB |
| 3 - 1/2 | 136.7 (5.38) | 68.3 (2.69) | 8.6 (0.34) | 31.8 (1.25) | 7.9 (0.31) | 7.1 (0.28) | 17.24 (38.00) | H350WB |
| 4 | 163.6 (6.44) | 76.2 (3.00) | 13.5 (0.53) | 44.5 (1.75) | 12.7 (0.50) | 13.5 (0.53) | 40.82 (90.00) | H400WB |



Hang-On® Conduit Hangers with Swing Bolts — Steel/Zinc Plated

| | | | | | | | | |
|-------|----------------|----------------|---------------|----------------|---------------|---------------|----------------|----------|
| 1/2 | 43.7 (1.72) | 22.4 (0.88) | 7.1 (0.28) | 19.1 (0.75) | 6.4 (0.25) | 5.1 (0.20) | 2.59 (5.70) | H50-SWB |
| 3/4 | 46.7 (1.84) | 23.1 (0.91) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 5.1 (0.20) | 2.60 (5.70) | H75-SWB |
| 1 | 59.4 (2.34) | 29.5 (1.16) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 5.1 (0.20) | 2.61 (5.70) | H100-SWB |
| 1-1/4 | 67.6 (2.66) | 35.1 (1.38) | 7.1 (0.28) | 22.4 (0.88) | 6.4 (0.25) | 5.1 (0.20) | 2.62 (5.70) | H125-SWB |
| 1-1/2 | 77.7 (3.06) | 41.4 (1.63) | 8.6 (0.34) | 25.4 (1.00) | 7.9 (0.31) | 5.1 (0.20) | 2.63 (5.70) | H150-SWB |
| 2 | 91.2 (3.59) | 47.8 (1.88) | 8.6 (0.34) | 31.8 (1.25) | 7.9 (0.31) | 5.1 (0.20) | 2.64 (5.70) | H200-SWB |



Ⓢ Not CSA Certified.

Beam Clamps, Straps, Clamps and Clamp Backs for Rigid Metal Conduit or IMC

Applications


- Beam clamp: provides support for conduit hanging systems.
- Two-Hole Straps: used to support rigid metal conduit and IMC.
- Clamp Backs: provide spacing from mounting surface when used with pipe clamps.

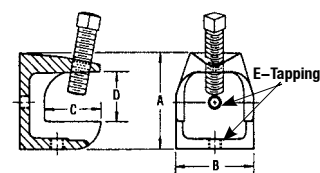
Certifications and Compliances


- CSA Standard: C22.2 No. 18.4
- CSA Certified: 065178

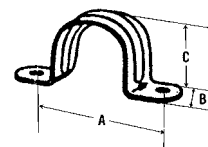
Material/Finish

- Beam clamps: malleable iron/hot dip galvanized
- Straps: steel/zinc electroplate

| | Dimensions in Millimeters (Inches) | | | | | Weight per 100 (lbs) | Catalog Number |
|--|---|----------------|----------------|----------------------------|------------------------------|----------------------|------------------|
| | A | B | C | D | E | | |
|  | Beam Clamps — Malleable Iron — Hot Dipped Galvanized | | | | | | |
| | 41.4 (1.63) | 25.4 (1.00) | 22.4 (0.88) | 23.9 (0.94) | 20.00/508.0 (0.25/6.4) | 9.98 (22.0) | BH-500 ① |
| | 41.4 (1.63) | 25.4 (1.00) | 22.4 (0.88) | 23.9 (0.94) | 24.00/609.6 (10.00/254.0) | 9.75 (21.5) | BH-500-10 |
| | 46.0 (1.81) | 38.1 (1.50) | 28.7 (1.13) | 23.9 (0.94) | 18.00/457.2 (0.31/7.9) | 20.41 (45.00) | BH-501 ① |
| | 52.3 (2.06) | 50.8 (2.00) | 35.1 (1.38) | 25.4 (1.00) | 16.00/406.4 (0.38/9.7) | 37.65 (83.00) | BH-502 ① |
| 57.2 (2.25) | 66.8 (2.63) | 42.9 (1.69) | 28.7 (1.13) | 13.00/330.2 (0.50/12.7) | 68.95 (152.00) | BH-503 ① | |



| | Dimensions in Millimeters (Inches) | | | | Hole Diameter | Weight per 100 (lbs) | Catalog Number |
|---|--|-------------|--------------|-------------|---------------|----------------------|----------------|
| | Trade Size (Inches) | A | B | C | | | |
|  | 2-Hole Straps — Steel/Zinc Electroplate | | | | | | |
| | 1/4 | 31.8 (1.25) | 16.0 (0.63) | 16.0 (0.63) | 4.8 (0.19) | 0.73 (1.60) | CF-250 |
| | 3/8 | 38.1 (1.50) | 16.0 (0.63) | 19.1 (0.75) | 4.8 (0.19) | 0.54 (1.20) | CF-375 |
| | 1/2 | 40.4 (1.59) | 16.0 (0.63) | 23.1 (0.91) | 4.8 (0.19) | 0.64 (1.40) | CF-500 |
| | 3/4 | 53.1 (2.09) | 16.0 (0.63) | 26.9 (1.06) | 4.8 (0.19) | 0.73 (1.60) | CF-750 |
| | 1 | 62.0 (2.44) | 19.1 (0.75) | 35.1 (1.38) | 4.8 (0.19) | 1.59 (3.50) | CF-100 |
| | 1-1/4 | 67.6 (2.66) | 19.1 (0.75) | 44.5 (1.75) | 6.3 (0.25) | 1.81 (4.00) | CF-125 |
| | 1-1/2 | 91.2 (3.59) | 25.4 (1.00) | 50.8 (2.00) | 6.3 (0.25) | 4.08 (9.00) | CF-150 |
| | 2 | 03.1 (4.06) | 31.8 (1.25) | 63.5 (2.50) | 6.3 (0.25) | 5.44 (12.00) | CF-200 |
| | 2-1/2 | 11.3 (4.38) | 25.4 (1.00) | 71.4 (2.81) | 6.9 (0.27) | 2.59 (5.70) | CF-250H |
| | 3 | 27.0 (5.00) | 25.4 (1.00) | 85.9 (3.38) | 6.9 (0.27) | 3.63 (8.00) | CF-300H |
| | 3-1/2 | 58.8 (6.25) | 25.4 (1.00) | 98.6 (3.88) | 8.4 (0.33) | 3.95 (8.70) | CF-350H |
| 4 | 77.8 (7.00) | 31.8 (1.25) | 111.3 (4.38) | 7.1 (0.28) | 4.26 (9.40) | CF-400H | |

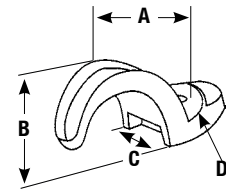


Beam Clamps, Straps, Clamps and Clamp Backs for Rigid Metal Conduit or IMC

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Recommended Bolt Diameter D | Weight per 100 (lbs) | Catalog Number |
|---------------------|------------------------------------|---|---|-----------------------------|----------------------|----------------|
| | A | B | C | | | |

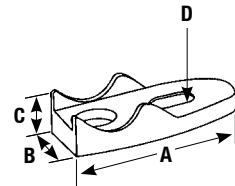
One-Hole Clamps – Malleable Iron – Hot Dipped Galvanized

| | | | | | | |
|-------|--------------|--------------|-------------|-------------|-----------------|------------|
| 1/2 | 25.4 (1.00) | 19.1 (0.75) | 16.0 (0.63) | 6.4 (0.25) | 2.72 (6.00) | CL-50MN |
| 3/4 | 30.2 (1.19) | 31.0 (1.22) | 19.1 (0.75) | 6.4 (0.25) | 3.63 (8.00) | CL-75MN |
| 1 | 35.1 (1.38) | 38.1 (1.50) | 22.4 (0.88) | 6.4 (0.25) | 6.35 (14.00) | CL-100MN |
| 1-1/4 | 41.4 (1.63) | 46.0 (1.81) | 22.4 (0.88) | 9.7 (0.38) | 9.53 (21.00) | CL-125MN |
| 1-1/2 | 46.0 (1.81) | 54.1 (2.13) | 23.9 (0.94) | 9.7 (0.38) | 12.25 (27.00) | CL-150MN |
| 2 | 58.7 (2.31) | 66.8 (2.63) | 26.9 (1.06) | 12.7 (0.50) | 21.77 (48.00) | CL-200MN |
| 2-1/2 | 65.0 (2.56) | 76.2 (3.00) | 33.3 (1.31) | 12.7 (0.50) | 32.21 (71.00) | CL-250MN |
| 3 | 81.0 (3.19) | 96.8 (3.81) | 38.1 (1.50) | 12.7 (0.50) | 48.53 (107.00) | CL-300MN |
| 3-1/2 | 85.9 (3.38) | 112.8 (4.44) | 42.9 (1.69) | 16.0 (0.63) | 78.02 (172.00) | CL-350MN |
| 4 | 95.3 (3.75) | 127.0 (5.00) | 49.3 (1.94) | 16.0 (0.63) | 120.66 (266.00) | CL-400MN |
| 5 | 120.7 (4.75) | 165.1 (6.50) | 63.5 (2.50) | 16.0 (0.63) | 196.41 (433.00) | CL-500MN ① |
| 6 | 143.0 (5.63) | 190.5 (7.50) | 69.9 (2.75) | 25.4 (1.00) | 281.23 (620.00) | CL-600MN ① |





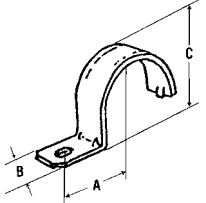

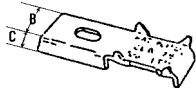
Clamp Backs – Malleable Iron – Hot Dipped Galvanized

| | | | | | | |
|-------|---------------|--------------|-------------|-------------|-----------------|-------------|
| 1/2 | 62.0 (2.44) | 26.9 (1.06) | 11.2 (0.44) | 6.4 (0.25) | 4.08 (9.00) | CLB-50MN |
| 3/4 | 63.5 (2.50) | 28.7 (1.13) | 12.7 (0.50) | 6.4 (0.25) | 5.00 (11.00) | CLB-75MN |
| 1 | 81.0 (3.19) | 33.3 (1.31) | 14.2 (0.56) | 6.4 (0.25) | 8.16 (18.00) | CLB-100MN |
| 1-1/4 | 93.7 (3.69) | 36.6 (1.44) | 19.1 (0.75) | 9.7 (0.38) | 10.89 (24.00) | CLB-125MN |
| 1-1/2 | 100.1 (3.94) | 39.6 (1.56) | 20.6 (0.81) | 9.7 (0.38) | 14.51 (32.00) | CLB-150MN |
| 2 | 130.3 (5.13) | 50.8 (2.00) | 19.1 (0.75) | 12.7 (0.50) | 24.49 (54.00) | CLB-200MN |
| 2-1/2 | 146.1 (5.75) | 63.5 (2.50) | 19.1 (0.75) | 12.7 (0.50) | 32.21 (71.00) | CLB-250MN |
| 3 | 181.1 (7.13) | 71.4 (2.81) | 20.6 (0.81) | 12.7 (0.50) | 47.17 (104.00) | CLB-300MN |
| 3-1/2 | 203.2 (8.00) | 82.6 (3.25) | 25.4 (1.00) | 16.0 (0.63) | 72.12 (159.00) | CLB-350MN |
| 4 | 222.3 (8.75) | 87.4 (3.44) | 25.4 (1.00) | 16.0 (0.63) | 83.01 (183.00) | CLB-400MN |
| 5 | 255.5 (10.06) | 95.3 (3.75) | 31.8 (1.25) | 16.0 (0.63) | 148.78 (328.00) | CLB-500MN ① |
| 6 | 300.0 (11.81) | 100.1 (3.94) | 38.1 (1.50) | 25.4 (1.00) | 216.82 (478.00) | CLB-600MN ① |



① Not CSA Certified.

Beam Clamps, Straps, Clamps and Clamp Backs for Rigid Metal Conduit or IMC

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Hole Diameter | Weight per 100 (lbs) | Catalog Number |
|---|---------------------|------------------------------------|-------------|--------------|---------------|----------------------|---|
| | | A | B | C | | | |
| Combination Clamp and Clamp Backs – Steel/Zinc Electroplate | | | | | | | |
|  | 1/2 | - | - | - | - | 2.27 (5.00) | CL-50CB |
| | 3/4 | - | - | - | - | 2.27 (5.00) | CL-75CB |
| | 1 | - | - | - | - | 2.72 (6.00) | CL-100CB |
| Combination Clamp and Clamp Backs – Steel/Zinc Electroplate | | | | | | | |
|  | 1/4 | 16.0 (0.63) | 11.9 (0.47) | 15.0 (0.59) | 6.3 (0.25) | 0.77 (1.70) | CL-25 |
| | 3/8 | 20.6 (0.81) | 16.0 (0.63) | 17.5 (0.69) | 7.1 (0.28) | 1.18 (2.60) | CL-38 |
| | 1/2 | 25.4 (1.00) | 19.1 (0.75) | 23.9 (0.94) | 7.1 (0.28) | 2.27 (5.00) | CL-50 |
| | 3/4 | 29.5 (1.16) | 19.1 (0.75) | 28.7 (1.13) | 7.1 (0.28) | 2.68 (5.90) | CL-75 |
| | 1 | 34.0 (1.34) | 22.4 (0.88) | 36.6 (1.44) | 8.6 (0.34) | 5.53 (12.20) | CL-100 |
| | 1-1/4 | 42.9 (1.69) | 25.4 (1.00) | 45.2 (1.78) | 10.4 (0.41) | 8.62 (19.00) | CL-125 |
| | 1-1/2 | 49.3 (1.94) | 28.7 (1.13) | 50.8 (2.00) | 10.4 (0.41) | 11.34 (25.00) | CL-150 |
| | 2 | 59.4 (2.34) | 30.2 (1.19) | 64.3 (2.53) | 11.9 (0.47) | 17.24 (38.00) | CL-200 |
| | 2-1/2 | 71.4 (2.81) | 31.8 (1.25) | 77.0 (3.03) | 14.2 (0.56) | 34.47 (76.00) | CL-250 |
| | 3 | 84.1 (3.31) | 31.8 (1.25) | 93.0 (3.66) | 14.2 (0.56) | 42.18 (93.00) | CL-300 |
| | 3-1/2 | 87.4 (3.44) | 38.1 (1.50) | 105.7 (4.16) | 17.5 (0.69) | 55.79 (123.00) | CL-350 |
| | 4 | 96.0 (3.78) | 38.1 (1.50) | 118.4 (4.66) | 17.5 (0.69) | 63.50 (140.00) | CL-400 |
| | | | | | | |  |
| Clamp Backs – Steel – Can be used with EMT | | | | | | | |
|  | 1/2 | 52.3 (2.06) | 22.4 (0.88) | 6.4 (0.25) | - | 2.27 (5.00) | CLB-50 |
| | 3/4 | 63.5 (2.50) | 25.4 (1.00) | 6.4 (0.25) | - | 3.18 (7.00) | CLB-75 |
| | 1 | 68.3 (2.69) | 28.7 (1.13) | 6.4 (0.25) | - | 3.90 (8.60) | CLB-100 |
| | | | | | | |  |

NEER Beam Clamps, Jack Chain and S Hooks

TBC: Beam Clamps

Applications

- Clamp on to the mounting structure to provide mounting means for the attachment of conduit hangers either directly or by means of threaded rod.

Features

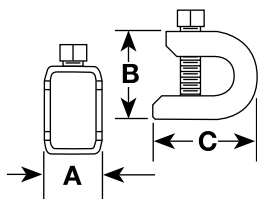
- 1/4-20 threaded holes.
- Jaw opening 5/8".

Material/Finish

- Stamped steel/zinc plate



BC-250



JC: Steel Jack Chain

Applications

- For suspending lighting fixtures, etc.

Feature

- Standard weight maximum working load: 29#.

Material/Finish

- Galvanized steel

Note:

- Order in 30.5 meter (100 foot) increments.



JC-12-S

SH: Standard and Heavy S Hooks

Applications

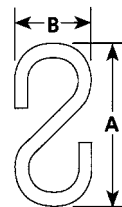
- For terminating end of jack chain, used to suspend lighting fixtures, etc.

Material/Finish

- Steel/zinc plated



SH-100-D



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|-------------|-------------|----------------|
| | A | B | C | |
| 1-1/4 x 5/16 -18 | 22.9 (0.90) | 11.2 (0.44) | 42.7 (1.68) | BC-250 |

| Trade Size (Inches) | | Catalog Number |
|---------------------|---------------|----------------|
| No.12 | 100 ft. Spool | BC-250 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 0.1009 dia. | 31.0 (1.22) | 16.8 (0.66) | SH-100-D |
| 0.1429 dia. | 38.6 (1.52) | 25.4 (1.00) | SH-142 |

Rigid Metal Conduit, IMC or EMT Pipe Hangers

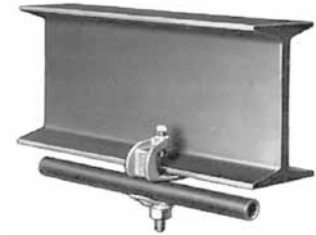
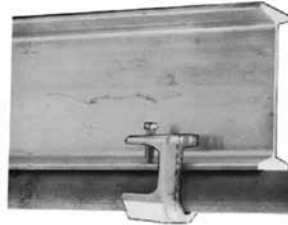
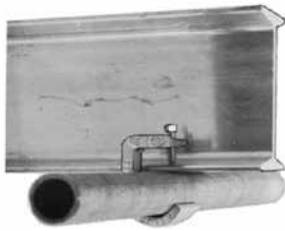
Applications

- Unique design accommodates more sizes of conduit with fewer clamps for lower inventories.
- Suitable for Rigid, IMC and EMT.
- Suitable for conduit runs on vertical and horizontal beams.

Material/Finish

- Malleable iron/zinc plated


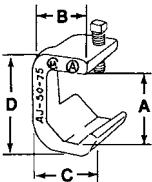
Illustrated Features



Single line of conduit running parallel to beam using “CH” hanger.



Doubles lines of conduit running perpendicular to beam using “CHD” hanger.

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number | |
|---|------------------------|------------------------------------|-------------|-------------|--------------|---------------------------|-------------------|---|
| | | A | B | C | D | | | |
| Type AJ — For Single Line Conduit | | | | | | | | |
|  | 1/2-3/4 | 44.5 (1.75) | 33.3 (1.31) | 38.9 (1.53) | 62.0 (2.44) | 25.54 (56.30) | AJ-50-75 |  |
| | 1 | 52.3 (2.06) | 35.8 (1.41) | 46.0 (1.81) | 69.9 (2.75) | 28.35 (62.50) | AJ-100 | |
| | 1-1/4—1-1/2 | 68.3 (2.69) | 52.3 (2.06) | 66.8 (2.63) | 93.7 (3.69) | 52.44 (115.60) | AJ-125-150 | |
| | 2 | 84.1 (3.31) | 58.7 (2.31) | 79.5 (3.13) | 109.5 (4.31) | 62.37 (137.50) | AJ-200 | |
| | 3/4 | 53.1 (2.09) | 16.0 (0.63) | 26.9 (1.06) | 4.8 (0.19) | 0.73 (1.60) | CF-750 | |

Rigid Metal Conduit, IMC or EMT Pipe Hangers

| | Rigid Size (Inches) | EMT Size (Inches) | Dimensions in Millimeters (Inches) for Conduit Opening | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|-------------------|--|------------------------|-----------------|
| CH – For Single Line Conduit | | | | | |
|  | 1/2 – 3/4 | 1/2 – 3/4 – 1 | 16.8 (0.66) | 34.93 (77.00) | CH-50S |
| | 1 | 1-1/4 – 1-1/2 | 16.8 (0.66) | 43.10 (95.00) | CH-125S |
| CHD – For Double Lines of Conduit | | | | | |
|  | 1/2 – 3/4 | 1/2 – 3/4 – 1 | 16.8 (0.66) | 36.29 (80.00) | CH-50D |
| | 1 | 1-1/4 – 1-1/2 | 16.8 (0.66) | 48.53 (107.00) | CH-125D |
| Single Accessories | | | | | |
|  | 1/2 – 3/4 | 1/2 – 3/4 – 1 | - | 5.44 (12.00) | CHL-50 |
| | 1 | 1-1/4 – 1-1/2 | - | 13.61 (30.00) | CHL-125 |
| Double Accessories | | | | | |
|  | 1/2 – 3/4 | 1/2 – 3/4 – 1 | - | 7.26 (16.00) | CHL-50D |
| | 1 | 1-1/2 – 1-1/2 | - | 18.60 (41.00) | CHL-125D |
| CH Clamp Body | | | | | |
|  | - | Fits All Parts | 16.8 (0.66) | 29.48 (65.00) | CH |
| 3/8 Inch Guy Wire Conduit Clamp Hanger – Rigid or IMC | | | | | |
|  | 1/2 | | - | 6.80 (15.00) | CH-50 |
| | 3/4 | For Rigid Conduit | - | 6.80 (15.00) | CH-75 |
| | 1 | | - | 8.16 (18.00) | CH-100 |

NEER CH-B Conduit Hangers

With Bolts and Nuts

Application

- Secure and suspend rigid conduit, IMC, EMT or PVC conduit from overhead supports.

Features

- Furnished with carriage bolt.

Standard Material/Finish

- Steel/zinc plated

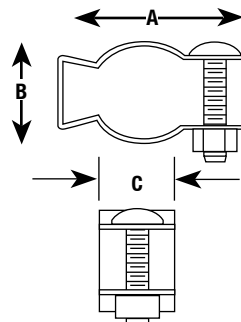
Certifications and Compliances

- UL Standard: 2239
- UL Listed: E333806



CH-050-B

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|-------------|-------------------|
| | A | B | C | |
| 3/8 and 1/2 | 49.0 (1.93) | 23.1 (0.91) | 19.1 (0.75) | CH-050-B |
| 3/4 | 54.9 (2.16) | 27.9 (1.10) | 19.1 (0.75) | CH-100-B |
| 1 | 61.5 (2.42) | 34.8 (1.37) | 22.4 (0.88) | CH-200-B |
| 1-1/4TW | 69.1 (2.72) | 39.4 (1.55) | 22.4 (0.88) | CH-250-B |
| 1-1/4HW | 72.4 (2.85) | 48.3 (1.90) | 22.4 (0.88) | CH-300-B |
| 1-1/2 | 80.0 (3.15) | 49.0 (1.93) | 25.4 (1.00) | CH-400-B |
| 2 | 94.7 (3.73) | 68.3 (2.69) | 25.7 (1.01) | CH-500-B |
| 2-1/2 | 118.1 (4.65) | 85.1 (3.35) | 28.7 (1.13) | CH-600-B |
| 3 | 134.6 (5.30) | 99.1 (3.90) | 30.2 (1.19) | CH-700-B |
| 3-1/2 | 146.1 (5.75) | 102.9 (4.05) | 31.8 (1.25) | CH-800-B |
| 4 | 162.6 (6.40) | 128.3 (5.05) | 31.8 (1.25) | CH-900-B |



Duct Sealing Compound

NEER Duct Sealing Compound

Applications

- NEER sealer is used primarily by the building and specifically by the electrical trade to seal around junction boxes, flashings and service mast entries. It can be shaped by hand to any form and reused if necessary. NEER duct seal has countless other applications in the refrigeration, heating and cooling, plumbing and metal-fabrication fields. It is an excellent general purpose sealant around the home.

Features

- FDA Approved as listed in CFR, Title 21 being composed of ingredients acceptable for packaging and transporting food.
- Chemically acceptable to the U.S.D.A. for use in meat and poultry processing areas under Federal Inspection.
- Dielectric strength: approximate 100 volts per mil (ASTM D149-64).
- Resistivity: 1.5.1 @ 100 °C (212 °F). .4.8 x 109 ohm-cm 1.5.2 after 96 hours @ 115 °C (239 °F). 4.8 x 1010 ohm-cm (ASME power test code of 1965, Section 40.5).
- Neer duct seal may be painted immediately after application and will not bleed through the dry paint film.
- Non-corrosive: will not corrode metal.
- Non-irritant: no irritation to eyes or skin as listed in CFR, Title 16, "Appraisal of the safety of chemicals in food, drugs and cosmetics."
- This sealer is a gray, permanently soft, non-toxic, non-volatile compound which will adhere to most clean, dry surfaces.

Physical and Chemical Characteristics

- Base: non-drying synthetic polymers and oils.
- No unpleasant odor.
- Temperature tolerance range: -34.4 °C (-30 °F) to 79.4 °C (175 °F). Will not slump at 135 °C (275 °F) for brief periods.
- Fillers: saturated mineral fillers and other inert ingredients.
- Cone penetration: (ASTM D217-52T) modified to total moving load of 300 gm., 5 sec. @ 25 °C (77 °F); 100-115 mm/10.
- Non-volatile (solids): 100.
- Specified gravity: 1.65 to 1.7 (ASTM D71-72).
- Temperature usage range (recommended): -3.9 °C (25 °F) to 48.9 °C (120 °F).
- Shelf life: unlimited.

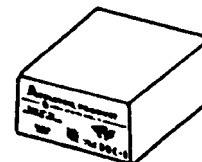
Certifications and Compliances

- UL Standard: 723
- UL Listed: R11682e



DC-10

| Size kg (lb) | Catalog Number |
|--------------|----------------|
| 0.45 (1.00) | DC-10 |
| 2.27 (5.00) | DC-50 |



DUC-1

| Size kg (lb) | Catalog Number |
|--------------|----------------|
| 0.45 (1.00) | DUC-1 |
| 2.27 (5.00) | DUC-5 |

Duct Sealing Compound

Applications

- Appleton Duct sealing weatherproof compound is used to seal around junction boxes, flashings and service mast entries for enhanced protection.

Certifications and Compliances

- UL Standard: 723
- UL Listed: E10627, E14814

NEER Anti-Short Bushings and Cable Staples

AS: Thermoplastic

Applications

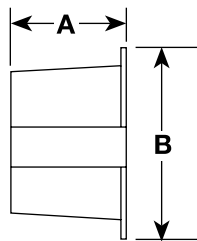
- These anti-short bushings are used in the terminations of flexible metal conduit and armored cables. Insert into inside diameter of each termination point to protect the conductors from the sharp edges of the raceway where cut.

Standard Material

- Plastic



AS-0



SN: Cable Staples

Applications

- To secure nonmetallic sheathed cable and type SE/U cable to wooden mounting structure.

Standard Material

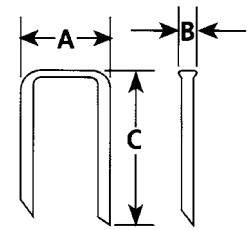
- Steel

Note:

- SN cable staples are furnished in plastic containers.



SN



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | For Cable Sizes | Catalog Number |
|--|------------------------------------|-------------|--|-----------------|
| | A | B | | |
| Bagged (Packed in Printed Polybags) | | | | |
| 5/16 | 14.7 (0.57) | 16.3 (0.64) | 14-2, 14-3, 12-2, Armored Cable; 5/169 Flexible Conduit | AS-0-100 |
| 3/8 | 17 (0.67) | 16.8 (0.66) | 14-4, 12-3, 6-1, 4-1, Armored Cable; 3/89 Flexible Conduit | AS-1-100 |
| 7/16 | 15.5 (0.61) | 20.8 (0.82) | 12-4, 10-2, 10-3, 2-1, Armored Cable; 7/169 Flexible Conduit | AS-2-100 |
| 1/2 | 17 (0.67) | 23.9 (0.94) | 10-4, 8-2, 8-3, 1-1, Armored Cable; 1/29 Flexible Conduit | AS-3-50 |
| 3/4 | 20.1 (0.79) | 29.5 (1.16) | 8-4, 6-2, 6-3, Armored Cable; 3/49 Flexible Conduit | AS-4-50 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Standard | | Catalog Number |
|--------------------------------------|------------------------------------|------------|-------------|----------|---------|----------------|
| | A | B | C | Carton | Package | |
| NMC 2-Cond. 12 and 14 | | | | | | |
| 1 X 1/2 | 18.5 (0.73) | 3.3 (0.13) | 28.4 (1.12) | 100 | 10,000 | SN-400 |
| 1 X 1/2 | 18.5 (0.73) | 3.3 (0.13) | 28.4 (1.12) | 500 | 10,000 | SN-405 |
| 1 X 1/2 | 18.5 (0.73) | 3.3 (0.13) | 28.4 (1.12) | - | 15,000 | SN-410 |
| NMC 3-Cond. 10-12 and 14 Wire | | | | | | |
| 1-1/4 x 9/16 | 20.3 (0.8) | 3.6 (0.14) | 34.8 (1.37) | 100 | 5,000 | SN-1000 |
| 1-1/4 x 9/16 | 20.3 (0.8) | 3.6 (0.14) | 34.8 (1.37) | 500 | 5,000 | SN-1050 |
| 1-1/4 x 9/16 | 20.3 (0.8) | 3.6 (0.14) | 34.8 (1.37) | - | 10,000 | SN-1100 |
| SE/U 3-Cond. No. 6 | | | | | | |
| 1-3/8 x 13/16 | 33.0 (1.3) | 6.6 (0.26) | 33.5 (1.32) | 100 | 5,000 | SN-3000 |

NEER Safety Plates and Switch Box Supports

SP: Safety Plates

Applications

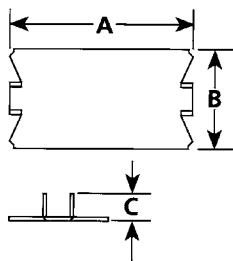
- Installed over areas in wooden structures where cables are run to protect cable insulation from being damaged by protruding screws or nails.

Standard Material

- Pre-galvanized steel



SP-100



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|----------------|----------------|-------------------|
| | A | B | C | |
| 1/16x1- 1/2x2-1/2 | 63.5 (2.50) | 38.9 (1.53) | 11.4 (0.45) | SP-100 |
| 1/16x1- 1/2x2-1/2 | 63.5 (2.50) | 38.9 (1.53) | 11.4 (0.45) | |

HI: Switch Box Supports

Applications

- To support attachment of boxes in drywall, paneling, etc., where there are no means of attaching the box to a mounting structure.

Feature

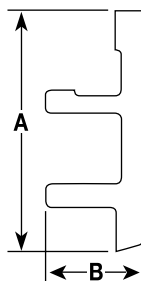
- Two are required per box.
- Sold in pairs.

Standard Material

- Pre-galvanized steel



HI-102



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|----------------|-------------------|
| | A | B | |
| - | 129.8 (5.11) | 57.2 (2.25) | HI-102 |

KO: Knockout Seals

Applications

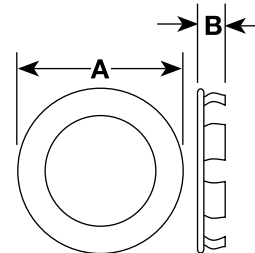
- To close unused opening or knockout in sheet metal box, enclosure or cabinet.

Standard Material

- Steel/zinc plated



KO-50



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 27.4 (1.08) | 10.2 (0.40) | KO-50 |
| 3/4 | 31.8 (1.25) | 8.4 (0.33) | KO-75 |
| 1 | 37.6 (1.48) | 8.4 (0.33) | KO-100 |
| 1-1/4 | 46.0 (1.81) | 8.4 (0.33) | KO-125 |
| 1-1/2 | 56.1 (2.21) | 9.4 (0.37) | KO-150 |
| 2 | 68.1 (2.68) | 9.7 (0.38) | KO-200 |

NEER Aluminum Set Screw Conduit Bodies and Accessories

For EMT

LB-SS: Aluminum Conduit Body

Applications

- Set screw type aluminum conduit bodies are used on steel EMT providing access to the interior of the raceway for wire pulling, splicing and maintenance.

Standard Material

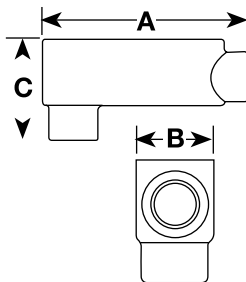
- Diecast copper free (4/10 of 1% max.) aluminum/epoxy powder coat

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



LB-50-SS



CC: Aluminum Covers

Applications

- Cover with screws for LB-SS Series conduit bodies..

Standard Material

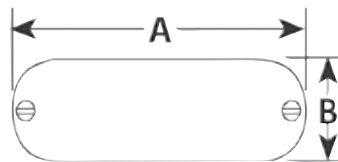
- Diecast aluminum/epoxy powder coat

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



CC-50



FG: Fiber Gaskets

Applications

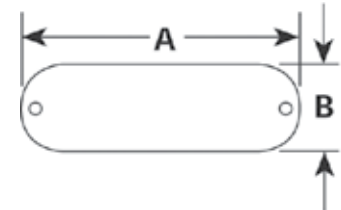
- Cover gasket to provide sealing for LB-SS Series conduit bodies.

Standard Material

- Fiber



FG-50



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|-------------|--------------|----------------|
| | A | B | C | |
| 1/2 | 111.8 (4.40) | 33.3 (1.31) | 55.9 (2.20) | LB-50-SS |
| 3/4 | 131.3 (5.17) | 38.9 (1.53) | 65.0 (2.56) | LB-75-SS |
| 1 | 147.1 (5.79) | 44.2 (1.74) | 69.6 (2.74) | LB-100-SS |
| 1-1/4 | 197.9 (7.79) | 63.2 (2.49) | 88.9 (3.50) | LB-125-SS |
| 1-1/2 | 198.4 (7.81) | 63.2 (2.49) | 92.7 (3.65) | LB-150-SS |
| 2 | 259.1 (10.20) | 78.7 (3.10) | 108.2 (4.26) | LB-200-SS |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 1/2 | 98.3 (3.87) | 33.8 (1.33) | CC-50 |
| 3/4 | 118.1 (4.65) | 39.1 (1.54) | CC-75 |
| 1 | 136.7 (5.38) | 44.7 (1.76) | CC-100 |
| 1-1/4 and 1-1/2 | 184.2 (7.25) | 63.2 (2.49) | CC-125 |
| 2 | 240.0 (9.45) | 79.8 (3.14) | CC-200 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 1/2 | 98.6 (3.88) | 34.0 (1.34) | FG-50 |
| 3/4 | 118.4 (4.66) | 39.4 (1.55) | FG-75 |
| 1 | 136.9 (5.39) | 45.0 (1.77) | FG-100 |
| 1-1/4 and 1-1/2 | 184.4 (7.26) | 63.5 (2.50) | FG-125 |
| 2 | 240.3 (9.46) | 80.0 (3.15) | FG-200 |

NEER Aluminum Threaded Conduit Body, Cover and Gasket Assemblies

LB, T, LL, LR, C: Threaded

For Rigid Conduit and IMC

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features



- Threaded hubs.
- Packaged complete under one catalog number.
- Ready to use.

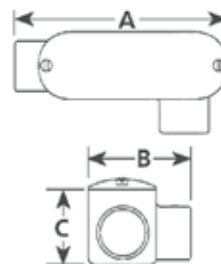
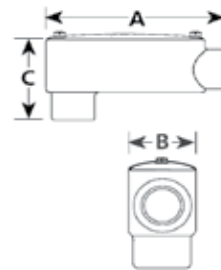
Standard Material/Finish

- Conduit body: diecast, copperfree (4/10 of 1% max.) aluminum/epoxy powder coat
- Cover: stamped aluminum, natural finish
- Gasket: neoprene

Certifications and Compliances

- UL Standard: 514A
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Threaded |
|---|---------------------|------------------------------------|--------------|--------------|---|---------------------|-------------------------|
| | | A | B | C | | | |
|  | 1/2 | 111.8 (4.40) | 33.3 (1.31) | 62.0 (2.44) | 0.1 (4.30) | N/A ① | LB-50DCG |
| | 3/4 | 131.3 (5.17) | 38.9 (1.53) | 71.1 (2.80) | 0.1 (7.30) | 3 #6AWG | LB-75DCG |
| | 1 | 147.1 (5.79) | 44.2 (1.74) | 75.7 (2.98) | 0.2 (12.20) | 3 #4AWG | LB-100DCG |
| | 1-1/4 | 197.9 (7.79) | 63.2 (2.49) | 95.0 (3.74) | 0.5 (32.30) | 3 #2AWG | LB-125DCG |
| | 1-1/2 | 198.4 (7.81) | 63.2 (2.49) | 98.8 (3.89) | 0.6 (33.80) | 3 #2AWG | LB-150DCG |
| | 2 | 259.1 (10.20) | 78.7 (3.10) | 114.3 (4.50) | 1.2 (71.20) | 3 #4/0AWG | LB-200DCG |
| | 2-1/2 | 333.8 (13.14) | 110.0 (4.33) | 153.2 (6.03) | 2.5 (153.00) | 3 #4/0AWG | LB-250DCG |
| | 3 | 333.8 (13.14) | 110.0 (4.33) | 169.9 (6.69) | 3.0 (183.50) | 3 #4/0AWG | LB-300DCG |
| | 3-1/2 | 392.7 (15.46) | 137.9 (5.43) | 187.7 (7.39) | 5.0 (304.90) | 3 #350MCM | LB-350DCG |
| | 4 | 392.7 (15.46) | 137.9 (5.43) | 190.0 (7.48) | 5.0 (308.00) | 3 #350MCM | LB-400DCG |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 41.7 (1.64) | 0.1 (4.35) | N/A ① | LL-50DCG |
| | 3/4 | 128.8 (5.07) | 57.4 (2.26) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LL-75DCG |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LL-100DCG |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.40) | 3 #2AWG | LL-125DCG |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #1/0AWG | LL-150DCG |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LL-200DCG |


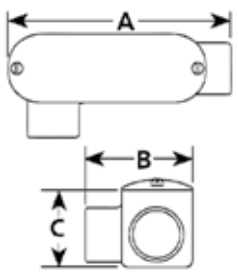

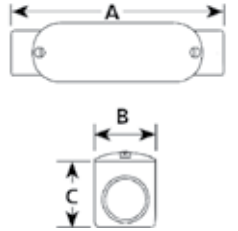

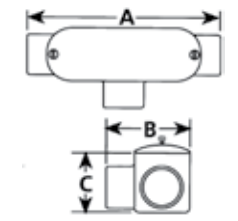


① Does not apply.

NEER Aluminum Threaded Conduit Body, Cover and Gasket Assemblies

LB, T, LL, LR, C: Threaded

For Rigid Conduit and IMC

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Threaded | |
|---|---------------------|------------------------------------|-------------|-------------|---|---------------------|-------------------------|---|
| | | A | B | C | | | | |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 41.7 (1.64) | 0.1 (4.35) | N/A ① | LR-50DCG |  |
| | 3/4 | 128.8 (5.07) | 52.3 (2.06) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LR-75DCG | |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LR-100DCG | |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #2AWG | LR-125DCG | |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #1/0AWG | LR-150DCG | |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LR-200DCG | |
|  | 1/2 | 122.4 (4.82) | 33.3 (1.31) | 41.7 (1.64) | 0.1 (4.35) | N/A ① | LC-50DCG |  |
| | 3/4 | 139.7 (5.50) | 38.9 (1.53) | 47.8 (1.88) | 0.1 (7.33) | 3 #6AWG | LC-75DCG | |
| | 1 | 163.6 (6.44) | 44.2 (1.74) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LC-100DCG | |
| | 1-1/4 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.40) | 3 #2AWG | LC-125DCG | |
| | 1-1/2 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.50) | 3 #1/0AWG | LC-150DCG | |
| | 2 | 272.0 (10.71) | 78.7 (3.10) | 92.7 (3.65) | 1.1 (69.50) | 3 #4/0AWG | LC-200DCG | |
|  | 1/2 | 122.4 (4.82) | 52.3 (2.06) | 41.7 (1.64) | 0.1 (4.35) | N/A ① | TC-50DCG |  |
| | 3/4 | 139.7 (5.50) | 52.3 (2.06) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | TC-75DCG | |
| | 1 | 163.6 (6.44) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | TC-100DCG | |
| | 1-1/4 | 214.6 (8.45) | 88.9 (3.50) | 75.4 (2.97) | 0.5 (33.10) | 3 #2AWG | TC-125DCG | |
| | 1-1/2 | 214.6 (8.45) | 88.9 (3.50) | 75.4 (2.97) | 0.5 (33.10) | 3 #1/0AWG | TC-150DCG | |
| | 2 | 272.0 (10.71) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (67.00) | 3 #4/0AWG | TC-200DCG | |

① Does not apply.

NEER Aluminum Multi-Hub Conduit Body, Cover and Gasket Assemblies

LB, T, LL, LR, C: Threaded and Set Screw

For Rigid Conduit, IMC and EMT

Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

Features


- 1/2" thru 2" sizes have threaded and set screw hubs (SST).
- 2-1/2" thru 4" sizes have set screw hub (SS).
- Packaged complete under one catalog number.
- Ready to use.

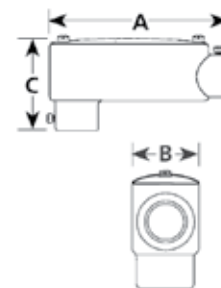
Standard Material/Finish

- Conduit body: diecast, copperfree (4/10 of 1% max.) aluminum/epoxy powder coat
- Cover: stamped aluminum, natural finish
- Gasket: neoprene

Certifications and Compliances

- UL Standard: 514A
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Multi-Hub |
|---|---------------------|------------------------------------|--------------|--------------|---|---------------------|--------------------------|
| | | A | B | C | | | |
|  | 1/2 | 111.8 (4.40) | 33.3 (1.31) | 62.0 (2.44) | 0.1 (4.30) | N/A ① | LB-50DCGSST |
| | 3/4 | 131.3 (5.17) | 38.9 (1.53) | 71.1 (2.80) | 0.1 (7.30) | 3 #6AWG | LB-75DCGSST |
| | 1 | 147.1 (5.79) | 44.2 (1.74) | 75.7 (2.98) | 0.2 (12.20) | 3 #4AWG | LB-100DCGSST |
| | 1-1/4 | 197.9 (7.79) | 63.2 (2.49) | 95.0 (3.74) | 0.5 (32.30) | 3 #2AWG | LB-125DCGSST |
| | 1-1/2 | 198.4 (7.81) | 63.2 (2.49) | 98.8 (3.89) | 0.6 (33.80) | 3 #1/0AWG | LB-150DCGSST |
| | 2 | 259.1 (10.20) | 78.7 (3.10) | 114.3 (4.50) | 1.2 (71.20) | 3 #4/0AWG | LB-200DCGSST |
| | 2-1/2 | 333.8 (13.14) | 110.0 (4.33) | 153.2 (6.03) | 2.5 (153.00) | 3 #300kcmil | LB-250DCGSS |
| | 3 | 333.8 (13.14) | 110.0 (4.33) | 169.9 (6.69) | 3.0 (183.50) | 3 #350kcmil | LB-300DCGSS |
| | 3-1/2 | 392.7 (15.46) | 137.9 (5.43) | 187.7 (7.39) | 5.0 (304.90) | 3 #400kcmil | LB-350DCGSS |
| | 4 | 392.7 (15.46) | 137.9 (5.43) | 190.0 (7.48) | 5.0 (308.00) | 3 #400kcmil | LB-400DCGSS |





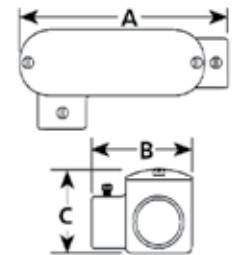
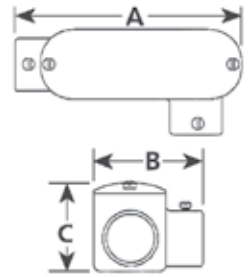
① Does not apply.

NEER Aluminum Multi-Hub Conduit Body, Cover and Gasket Assemblies

LB, T, LL, LR, C: Threaded and Set Screw

For Rigid Conduit, IMC and EMT

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Multi-Hub |
|---|---------------------|------------------------------------|--------------|--------------|---|---------------------|--------------------------|
| | | A | B | C | | | |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 41.7 (1.64) | 0.1 (4.30) | N/A ① | LL-50DCGSST |
| | 3/4 | 128.8 (5.07) | 57.4 (2.26) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LL-75DCGSST |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LL-100DCGSST |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.40) | 3 #2AWG | LL-125DCGSST |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.60) | 3 #1/0AWG | LL-150DCGSST |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LL-200DCGSST |
| | 2-1/2 | 333.8 (13.14) | 144.8 (5.70) | 108.7 (4.28) | 2.6 (158.00) | 3 #300kcmil | LL-250DCGSS |
| | 3 | 333.8 (13.14) | 144.8 (5.70) | 120.9 (4.76) | 3.0 (186.00) | 3 #350kcmil | LL-300DCGSS |
| | 3-1/2 | 392.7 (15.46) | 158.0 (6.22) | 144.0 (5.67) | 5.0 (306.00) | 3 #350kcmil | LL-350DCGSS |
| | 4 | 392.7 (15.46) | 158.0 (6.22) | 144.0 (5.67) | 5.0 (308.00) | 3 #350kcmil | LL-400DCGSS |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 41.7 (1.64) | 0.1 (4.30) | N/A ① | LR-50DCGSST |
| | 3/4 | 128.8 (5.07) | 52.3 (2.06) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LR-75DCGSST |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LR-100DCGSST |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.10) | 3 #2AWG | LR-125DCGSST |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.10) | 3 #1/0AWG | LR-150DCGSST |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LR-200DCGSST |
| | 2-1/2 | 333.8 (13.14) | 144.8 (5.70) | 108.7 (4.28) | 2.6 (158.00) | 3 #300kcmil | LR-250DCGSS |
| | 3 | 333.8 (13.14) | 144.8 (5.70) | 120.9 (4.76) | 3.0 (186.00) | 3 #350kcmil | LR-300DCGSS |
| | 3-1/2 | 392.7 (15.46) | 158.0 (6.22) | 144.0 (5.67) | 5.0 (306.00) | 3 #350kcmil | LR-350DCGSS |
| | 4 | 392.7 (15.46) | 158.0 (6.22) | 144.0 (5.67) | 5.0 (308.00) | 3 #350kcmil | LR-400DCGSS |





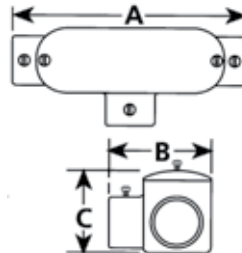
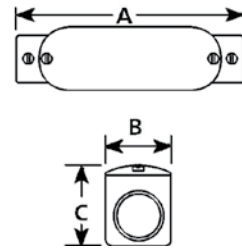
① Does not apply.

NEER Aluminum Multi-Hub Conduit Body, Cover and Gasket Assemblies

LB, T, LL, LR, C: Threaded and Set Screw

For Rigid Conduit, IMC and EMT

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Multi-Hub |
|---|---------------------|------------------------------------|--------------|--------------|---|---------------------|--------------------------|
| | | A | B | C | | | |
|  | 1/2 | 122.4 (4.82) | 33.3 (1.31) | 41.7 (1.64) | 0.1 (4.30) | N/A ① | LC-50DCGSST |
| | 3/4 | 139.7 (5.5) | 38.9 (1.53) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LC-75DCGSST |
| | 1 | 163.6 (6.44) | 44.2 (1.74) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LC-100DCGSST |
| | 1-1/4 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.40) | 3 #2AWG | LC-125DCGSST |
| | 1-1/2 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.50) | 3 #1/0AWG | LC-150DCGSST |
| | 2 | 272.0 (10.71) | 78.7 (3.10) | 92.7 (3.65) | 1.1 (69.50) | 3 #3/0AWG | LC-200DCGSST |
| | 2-1/2 | 351.8 (13.85) | 110.0 (4.33) | 108.7 (4.28) | 2.6 (159.00) | 3 #250kcmil | LC-250DCGSS |
| | 3 | 351.8 (13.85) | 110.0 (4.33) | 120.9 (4.76) | 3.1 (186.50) | 3 #250kcmil | LC-300DCGSS |
| | 3-1/2 | 405.9 (15.98) | 137.9 (5.43) | 144.0 (5.67) | 5.0 (306.00) | 3 #350kcmil | LC-350DCGSS |
| | 4 | 405.9 (15.98) | 137.9 (5.43) | 144.0 (5.67) | 5.0 (308.00) | 3 #350kcmil | LC-400DCGSS |
|  | 1/2 | 122.4 (4.82) | 33.3 (1.31) | 41.7 (1.64) | 0.1 (4.30) | N/A ① | TC-50DCGSST |
| | 3/4 | 139.7 (5.5) | 38.9 (1.53) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | TC-75DCGSST |
| | 1 | 163.6 (6.44) | 44.2 (1.74) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | TC-100DCGSST |
| | 1-1/4 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.40) | 3 #2AWG | TC-125DCGSST |
| | 1-1/2 | 214.6 (8.45) | 63.2 (2.49) | 75.4 (2.97) | 0.5 (33.50) | 3 #1/0AWG | TC-150DCGSST |
| | 2 | 272.0 (10.71) | 78.7 (3.10) | 92.7 (3.65) | 1.1 (69.50) | 3 #4/0AWG | TC-200DCGSST |
| | 2-1/2 | 351.8 (13.85) | 110.0 (4.33) | 108.7 (4.28) | 2.6 (159.00) | 3 #4/0AWG | TC-250DCGSS |
| | 3 | 351.8 (13.85) | 110.0 (4.33) | 120.9 (4.76) | 3.1 (186.50) | 3 #4/0AWG | TC-300DCGSS |
| | 3-1/2 | 405.9 (15.98) | 137.9 (5.43) | 144.0 (5.67) | 5.0 (306.00) | 3 #250kcmil | TC-350DCGSS |
| | 4 | 405.9 (15.98) | 137.9 (5.43) | 144.0 (5.67) | 5.0 (308.00) | 3 #250kcmil | TC-400DCGSS |



① Does not apply.

NEER Aluminum Threaded Conduit Bodies

LB-D, LL-D, LR-D, LC, TC: Threaded

For Rigid Conduit and IMC

Applications



- For threaded rigid conduit or IMC.
- Provides access to the interior of the raceway for wire pulling, splicing and maintenance.

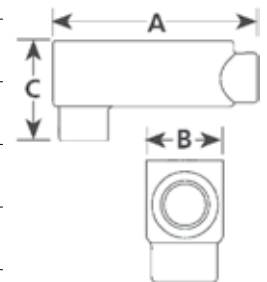
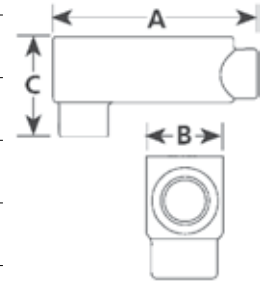
Standard Material/Finish

- Diecast copper free (4/10 of 1% max.) aluminum/epoxy powder coat

Certifications and Compliances

- UL Standard: 514A
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Threaded |
|---|---------------------|------------------------------------|--------------|--------------|---|---------------------|-------------------------|
| | | A | B | C | | | |
|  | 1/2 | 111.8 (4.40) | 33.3 (1.31) | 55.9 (2.20) | 0.1 (4.30) | N/A ① | LB-50-D |
| | 3/4 | 131.3 (5.17) | 38.9 (1.53) | 65.0 (2.56) | 0.1 (7.30) | 3 #6AWG | LB-75-D |
| | 1 | 147.1 (5.79) | 44.2 (1.74) | 69.6 (2.74) | 0.2 (12.20) | 3 #4AWG | LB-100-D |
| | 1-1/4 | 197.9 (7.79) | 63.2 (2.49) | 88.9 (3.50) | 0.5 (32.30) | 3 #2AWG | LB-125-D |
| | 1-1/2 | 198.4 (7.81) | 63.2 (2.49) | 92.7 (3.65) | 0.6 (33.80) | 3 #2AWG | LB-150-D |
| | 2 | 259.1 (10.20) | 78.7 (3.10) | 108.2 (4.26) | 1.2 (71.20) | 3 #4/0AWG | LB-200-D |
| | 2-1/2 | 333.8 (13.14) | 110.0 (4.33) | 146.1 (5.75) | 2.5 (153.00) | 3 #4/0AWG | LB-250-D |
| | 3 | 333.8 (13.14) | 110.0 (4.33) | 162.8 (6.41) | 3.0 (183.50) | 3 #4/0AWG | LB-300-D |
| | 3-1/2 | 392.7 (15.46) | 137.9 (5.43) | 180.6 (7.11) | 5.0 (304.90) | 3 #350MCM | LB-350-D |
| | 4 | 367.3 (14.46) | 137.9 (5.43) | 182.9 (7.20) | 5.0 (308.00) | 3 #350MCM | LB-400-D |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 35.6 (1.40) | 0.1 (4.30) | N/A ① | LL-50-D |
| | 3/4 | 128.8 (5.07) | 57.4 (2.26) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LL-75-D |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LL-100-D |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.40) | 3 #2AWG | LL-125-D |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #1/0AWG | LL-150-D |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LL-200-D |






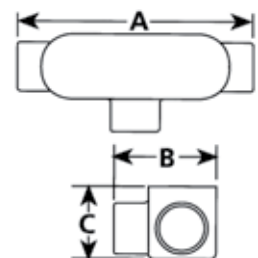
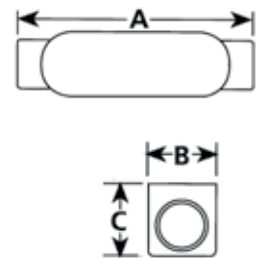
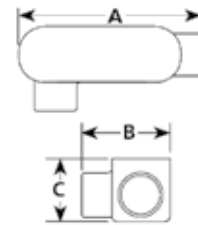
① Does not apply.

NEER Aluminum Threaded Conduit Bodies

LB-D, LL-D, LR-D, LC, TC: Threaded

For Rigid Conduit and IMC

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Volume dm ³ (in ³) | Max. No. Conductors | Catalog Number Threaded |
|---|---------------------|------------------------------------|-------------|-------------|---|---------------------|-------------------------|
| | | A | B | C | | | |
|  | 1/2 | 111.8 (4.40) | 52.3 (2.06) | 35.6 (1.40) | 0.1 (4.30) | N/A ① | LR-50-D |
| | 3/4 | 128.8 (5.07) | 57.4 (2.26) | 47.8 (1.88) | 0.1 (7.30) | 3 #6AWG | LR-75-D |
| | 1 | 150.9 (5.94) | 68.1 (2.68) | 54.4 (2.14) | 0.2 (12.20) | 3 #4AWG | LR-100-D |
| | 1-1/4 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #2AWG | LR-125-D |
| | 1-1/2 | 199.9 (7.87) | 88.9 (3.50) | 75.4 (2.97) | 0.6 (35.80) | 3 #1/0AWG | LR-150-D |
| | 2 | 259.1 (10.20) | 97.3 (3.83) | 92.7 (3.65) | 1.1 (69.70) | 3 #4/0AWG | LR-200-D |
|  | 1/2 | 122.4 (4.82) | 33.3 (1.31) | 35.6 (1.40) | 0.1 (4.30) | N/A ① | LC-50 |
| | 3/4 | 139.7 (5.50) | 38.9 (1.53) | 41.7 (1.64) | 0.1 (7.30) | 3 #6AWG | LC-75 |
| | 1 | 163.6 (6.44) | 44.2 (1.74) | 48.3 (1.90) | 0.2 (12.20) | 3 #4AWG | LC-100 |
| | 1-1/4 | 214.6 (8.45) | 63.2 (2.49) | 69.3 (2.73) | 0.5 (33.40) | 3 #2AWG | LC-125 |
| | 1-1/2 | 0.5 (33.40) | 63.2 (2.49) | 69.3 (2.73) | 0.5 (33.50) | 3 #1/0AWG | LC-150 |
| | 2 | 272.0 (10.71) | 78.7 (3.10) | 86.6 (3.41) | 1.1 (69.50) | 3 #4/0AWG | LC-200 |
|  | 1/2 | 122.4 (4.82) | 52.3 (2.06) | 35.6 (1.40) | 0.1 (4.30) | N/A ① | TC-50 |
| | 3/4 | 139.7 (5.50) | 57.9 (2.28) | 41.7 (1.64) | 0.1 (7.30) | 3 #6AWG | TC-75 |
| | 1 | 163.6 (6.44) | 68.1 (2.68) | 48.3 (1.90) | 0.2 (12.20) | 3 #4AWG | TC-100 |
| | 1-1/4 | 214.6 (8.45) | 88.9 (3.50) | 69.3 (2.73) | 0.5 (33.10) | 3 #2AWG | TC-125 |
| | 1-1/2 | 214.6 (8.45) | 88.9 (3.50) | 69.3 (2.73) | 0.5 (33.10) | 3 #1/0AWG | TC-150 |
| | 2 | 272.0 (10.71) | 97.3 (3.83) | 86.6 (3.41) | 1.1 (67.00) | 3 #4/0AWG | TC-200 |



① Does not apply.

NEER Aluminum Conduit Body Accessories

For Rigid Conduit and IMC

CC: Aluminum Covers with Screws

Applications

- Cover for LB-D, LR-D, LL-D, LC and TC Series conduit bodies.

Standard Material/Finish

- Diecast copper free (4/10 of 1% max.) aluminum/epoxy powder coat

Certifications and Compliances

- UL Standard: 514A
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

FG: Fiber Gaskets

Applications

- Cover gasket to provide sealing for LB-D, LR-D, LL-D, LC and TC Series conduit bodies.

Standard Material/Finish

- Fiber


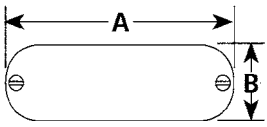

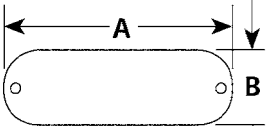

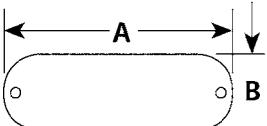
NG: Neoprene Gaskets

Applications

- Cover gasket to provide sealing for LB-D, LR-D, LL-D, LC and TC Series conduit bodies.

Standard Material/Finish

- Neoprene

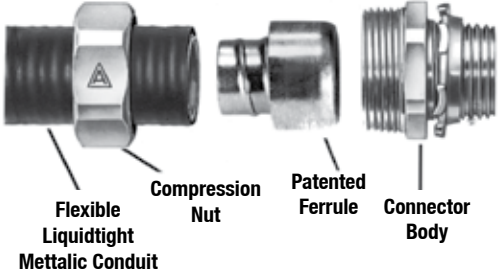

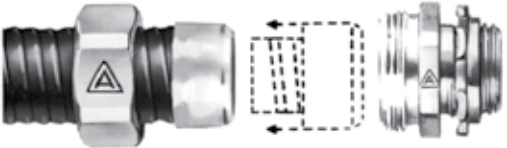





| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number Threaded | |
|---|---------------------|------------------------------------|--------------|-------------------------|---|
| | | A | B | | |
|  | 1/2 | 99.1 (3.90) | 34.8 (1.37) | CC-50 |  |
| | 3/4 | 119.4 (4.70) | 40.6 (1.60) | CC-75 | |
| | 1 | 137.2 (5.40) | 45.2 (1.78) | CC-100 | |
| | 1-1/4 and 1-1/2 | 184.2 (7.25) | 64.0 (2.52) | CC-125 | |
| | 2 | 241.3 (9.50) | 79.0 (3.11) | CC-200 | |
| | 2-1/2 and 3 | 308.1 (12.13) | 113.0 (4.45) | CC-250 | |
| | 3-1/2 and 4 | 379.5 (14.9) | 139.7 (5.50) | CC-400 | |
|  | 1/2 | 99.1 (3.90) | 34.8 (1.37) | FG-50 |  |
| | 3/4 | 116.8 (4.60) | 39.6 (1.56) | FG-75 | |
| | 1 | 135.6 (5.34) | 43.9 (1.73) | FG-100 | |
| | 1-1/4 and 1-1/2 | 184.2 (7.25) | 63.8 (2.51) | FG-125 | |
| | 2 | 241.3 (9.50) | 77.5 (3.05) | FG-200 | |
| | 2-1/2 and 3 | 308.1 (12.13) | 111.5 (4.39) | FG-250 | |
| | 3-1/2 and 4 | 378.0 (14.88) | 137.9 (5.43) | FG-400 | |
|  | 1/2 | 99.1 (3.90) | 34.8 (1.37) | NG-50 |  |
| | 3/4 | 116.8 (4.60) | 39.6 (1.56) | NG-75 | |
| | 1 | 135.6 (5.34) | 43.9 (1.73) | NG-100 | |
| | 1-1/4 and 1-1/2 | 184.2 (7.25) | 63.8 (2.51) | NG-125150 | |
| | 2 | 241.3 (9.50) | 77.5 (3.05) | NG-200 | |
| | 2-1/2 and 3 | 308.1 (12.1) | 111.5 (4.39) | NG-250300 | |
| | 3-1/2 and 4 | 378.0 (14.8) | 137.9 (5.43) | NG-350400 | |

① Does not apply.

Installation Features of ST, STB, STN and STL Connectors and Hubs

For Liquidtight Flexible Metal Conduit

Using hacksaw, cut liquidtight flexible conduit making certain that the jacket and conduit are flush. (A) Place compression nut over conduit. (B) Screw ferrule onto the spiralled steel inner wall of the conduit. The firm grip of the ferrule threading against the inner conduit wall provides a continuous, permanent, positive metal-to-metal ground. There are no sharp edges to cause injury to wire during or after installation. (C) Place the liquidtight flexible conduit with the ferrule into connector body. (D) Tighten compression nut as far as it will go. This will assure correct collaring of the conduit—the end of the metal edge of the ferrule will curve out slightly. (E) This prevents damage to the conduit jacket itself at the time of installation, and also insures against future damage from frequent flexing, jarring or vibration.

| | |
|---|--|
| <p style="text-align: center;">A</p>  <p style="text-align: center;">Flexible Liquidtight Metallic Conduit Compression Nut Patented Ferrule Connector Body</p> | <p style="text-align: center;">E</p>  <p style="text-align: center;">Compression Ferrule</p> |
| <p style="text-align: center;">B</p>  <p style="text-align: center;">Ferrule Threaded into Conduit</p> |  <p>Sealing Gasket Neoprene sealing gasket eliminates common connection problems and assures a liquidtight installation. Seals against oil, water, dirt and chemicals.</p> |
| <p style="text-align: center;">C</p>  <p style="text-align: center;">Assembly Before Compression</p> |  <p>Space Saving Hex-Hub Wedge Adapter Male shank of unique Appleton hex-hub wedge adapter “finger tightens” into connector body. Flared surface of adapter wedges box wall against locking edge of body. Forms full 360° contact on both sides of box wall.</p> |
| <p style="text-align: center;">D</p>  <p style="text-align: center;">Assembly After Compression Showing Positive Ground</p> |  <p>Insulated Throat Insulating insert recessed into hex-hub wedge adapter protects against wire damage...without reduction in throat diameter. Perfect for extreme vibration conditions. Nothing to come loose, deteriorate, crack or break!</p> |

Liquidtight ST Series Plain Throat and STB Series Insulated Throat Connectors

For Liquidtight Flexible Metal Conduit

NEC/CEC:

Suitable for use in Class I, Division 2

Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

Features

- ST Series has plain throat.
- STB Series has insulated throat to protect against wire damage.
- Seals out oil, water, dust, dirt and fumes.
- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Polypropylene sealing ring with locknut standard.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined tapered threads (NPT).
- Compact design with small turning radius.
- Straight, 45° and 90° styles available in trade sizes 3/8" thru 4"

Standard Material/Finish

- 3/8" thru 1" straight: steel body and compression nut
- 1-1/4" thru 4" straight: malleable iron body and compression nut
- 3/8" thru 4" 45° and 90°: malleable iron body
- 3/8" thru 1" 45° and 90° caps: steel
- 1-1/4" thru 4" 45° and 90° caps: malleable iron
- 3/8" thru 1" ferrule: steel
- 1-1/4" thru 4" ferrule: aluminum
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat/zinc electroplate
- Sealing ring: polypropylene

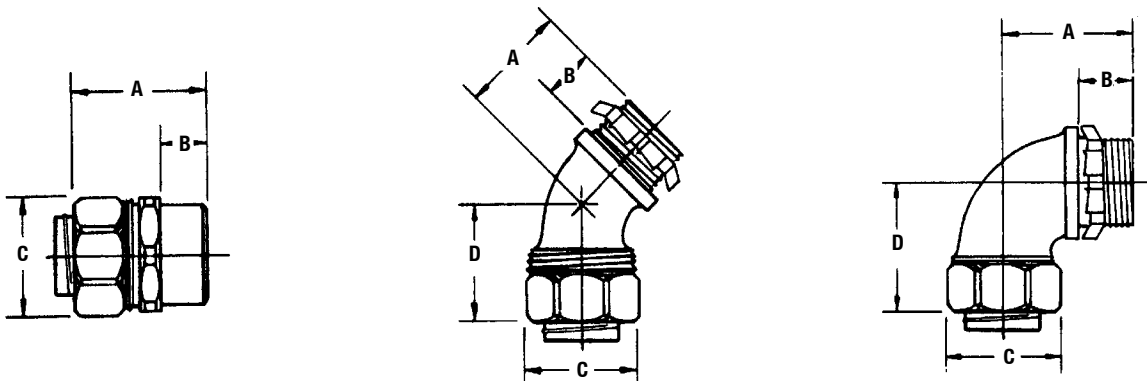
Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

STD Conduit Thread Size

| Flexible Conduit Size (Inches) | NPT Size |
|--------------------------------|----------|
| 3/8 | 1/2 |
| 1/2 | 1/2 |
| 3/4 | 3/4 |
| 1 | 1 |
| 1-1/4 | 1-1/4 |
| 1-1/2 | 1-1/2 |
| 2 | 2 |
| 2-1/2 | 2-1/2 |
| 3 | 3 |
| 3-1/2 | 3-1/2 |
| 4 | 4 |
| 5 | 5 |





Dimensions



Liquidtight ST Series Plain Throat Connectors

For Liquidtight Flexible Metal Conduit

NEC/CEC:
Suitable for use in Class I, Division 2




| | Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number |
|---|-----------------------|------------------------------------|--------------|---------------|------------------|------------------------|-----------------|
| | | A | B | C | D | | |
| Straight | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 7.26 (16.00) | ST-38 |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 6.8 (15.00) | ST-50 |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 9.98 (22.00) | ST-75 |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 15.42 (34.00) | ST-100 |
|  | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 38.1 (84.00) | ST-125 |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 54.43 (120.00) | ST-150 |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 74.84 (165.00) | ST-200 |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 158.76 (350.00) | ST-250 |
| | 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 204.12 (450.00) | ST-300 |
| | 3-1/2 | 93.7 (3.69) | 30.2 (1.19) | 127 (5.00) | - | 238.13 (525.00) | ST-350 |
| | 4 | 101.6 (4.00) | 31.8 (1.25) | 139.7 (5.50) | - | 301.19 (664.00) | ST-400 |
| | 45° | | | | | | |
|  | 3/8 flex, 1/2 hub | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 19.00 (8.62) | ST-4538 |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 19.00 (8.62) | ST-4550 |
| | 3/4 | 28.7 (1.13) | 16.0 (0.63) | 45.9 (1.81) | 31.8 (1.25) | 32.00 (14.51) | ST-4575 |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 45.9 (1.81) | 46.00 (20.87) | ST-45100 |
| | 1-1/4 | 41.4 (1.63) | 16.0 (0.63) | 58.7 (2.31) | 45.9 (1.81) | 103.00 (46.72) | ST-45125 |
| | 1-1/2 | 45.9 (1.81) | 16.0 (0.63) | 66.8 (2.63) | 54.1 (2.13) | 165.00 (74.84) | ST-45150 |
| | 2 | 50.8 (2.00) | 17.5 (0.69) | 81.0 (3.19) | 60.5 (2.38) | 245.00 (111.13) | ST-45200 |
| | 2-1/2 | 90.4 (3.56) | 26.9 (1.06) | 100.1 (3.94) | 127.0 (5.00) | 760.00 (344.73) | ST-45250 |
| | 3 | 109.5 (4.31) | 30.2 (1.19) | 111.3 (4.38) | 147.6 (5.81) | 962.00 (436.36) | ST-45300 |
| 4 | 117.6 (4.63) | 31.8 (1.25) | 5.5 (139.7) | 101.6 (4.00) | 1512.00 (685.83) | ST-45400 | |
| 90° | | | | | | | |
|  | 3/8 flex, 1/2 hub | 31.8 (1.25) | 16.0 (0.63) | 28.6 (1.13) | 36.5 (1.44) | 10.34 (22.80) | ST-9038 |
| | 1/2 | 33.3 (1.31) | 16.0 (0.63) | 31.8 (1.25) | 36.8 (1.45) | 10.34 (23.00) | ST-9050 |
| | 3/4 | 36.6 (1.44) | 16.0 (0.63) | 38.9 (1.53) | 43.2 (1.70) | 17.69 (39.00) | ST-9075 |
| | 1 | 44.5 (1.75) | 19.1 (0.75) | 45.9 (1.81) | 49.5 (1.95) | 28.12 (62.00) | ST-90100 |
| | 1-1/4 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 51.71 (114.00) | ST-90125 |
| | 1-1/2 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 88.45 (195.00) | ST-90150 |
| | 2 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 131.54 (290.00) | ST-90200 |
| | 2-1/2 | 182.6 (7.19) | 26.9 (1.06) | 100.1 (3.94) | 214.4 (8.44) | 382.38 (843.00) | ST-90250 |
| | 3 | 219.2 (8.63) | 30.2 (1.19) | 111.3 (4.38) | 257.3 (10.13) | 498.95 (1100.00) | ST-90300 |
| 4 | 285.8 (11.25) | 31.8 (1.25) | 139.7 (5.50) | 325.4 (12.81) | 952.54 (2100.00) | ST-90400 | |

Liquidtight ST Series Plain Throat Connectors

For Liquidtight Flexible Metal Conduit

NEC/CEC:

Suitable for use in Class I, Division 2

| | Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number |
|---|-----------------------|------------------------------------|--------------|--------------|-----------------|------------------------|------------------|
| | | A | B | C | D | | |
| Straight | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 6.80 (15.00) | STB-38 |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 7.26 (16.00) | STB-50 |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 10.43 (23.00) | STB-75 |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 15.42 (34.00) | STB-100 |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 38.10 (84.00) | STB-125 |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 53.98 (119.00) | STB-150 |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 77.11 (170.00) | STB-200 |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 154.22 (340.00) | STB-250 |
| | 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 204.12 (450.00) | STB-300 |
| | 3-1/2 | 93.7 (3.69) | 30.2 (1.19) | 27.0 (5.00) | - | 240.40 (530.00) | STB-350 |
| 4 | 101.6 (4.00) | 31.8 (1.25) | 139.7 (5.50) | - | 297.10 (655.00) | STB-400 | |
| 45° | | | | | | | |
|  | 3/8 flex, 1/2 hub | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 8.16 (18.00) | STB-4538 |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 8.16 (18.00) | STB-4550 |
| | 3/4 | 28.7 (1.13) | 16.0 (0.63) | 45.9 (1.81) | 31.8 (1.25) | 13.61 (30.00) | STB-4575 |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 45.9 (1.81) | 22.23 (49.00) | STB-45100 |
| | 1-1/4 | 41.4 (1.63) | 16.0 (0.63) | 58.7 (2.31) | 45.9 (1.81) | 46.27 (102.00) | STB-45125 |
| | 1-1/2 | 45.9 (1.81) | 16.0 (0.63) | 66.8 (2.63) | 54.1 (2.13) | 72.57 (160.00) | STB-45150 |
| | 2 | 50.8 (2.00) | 17.5 (0.69) | 81.0 (3.19) | 60.5 (2.38) | 104.33 (230.00) | STB-45200 |
| | 2-1/2 | 90.4 (3.56) | 26.9 (1.06) | 100.1 (3.94) | 127.0 (5.00) | 344.73 (760.00) | STB-45250 |
| | 3 | 109.5 (4.31) | 30.2 (1.19) | 111.3 (4.38) | 147.6 (5.81) | 453.59 (1000.00) | STB-45300 |
| | 4 | 117.6 (4.63) | 31.8 (1.25) | 5.50 (139.7) | 101.6 (4.00) | 816.47 (1800.00) | STB-45400 |
| 90° | | | | | | | |
|  | 3/8 flex, 1/2 hub | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 10.43 (23.00) | STB-9038 |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 31.8 (1.25) | 38.1 (1.50) | 10.89 (24.00) | STB-9050 |
| | 3/4 | 36.6 (1.44) | 16.0 (0.63) | 38.1 (1.50) | 39.6 (1.56) | 17.24 (38.00) | STB-9075 |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 26.31 (58.00) | STB-90100 |
| | 1-1/4 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 52.62 (116.00) | STB-90125 |
| | 1-1/2 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 87.09 (192.00) | STB-90150 |
| | 2 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 127.91 (282.00) | STB-90200 |
| | 2-1/2 | 182.6 (7.19) | 26.9 (1.06) | 100.1 (3.94) | 214.4 (8.44) | 381.02 (840.00) | STB-90250 |
| | 3 | 219.2 (8.63) | 30.2 (1.19) | 111.3 (4.38) | 257.3 (10.13) | 498.95 (1100.00) | STB-90300 |
| | 4 | 285.8 (11.25) | 31.8 (1.25) | 139.7 (5.50) | 325.4 (12.81) | 975.22 (2150.00) | STB-90400 |

Liquidtight ST Series Plain Throat and STB Series Insulated Throat Connectors And External Grounding Lugs

For Liquidtight Flexible Metal Conduit

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- For use with liquidtight flexible metal conduit where an external, visible equipment bonding jumper is desired.

Features

- ST-L Series has plain throat.
- STB-L Series has insulated throat to protect against wire damage.
- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Adequately sized bonded lugs provide excellent grounding continuity and allow for visible ground path inspection.
- Liquidtight/raintight/oiltight.
- Suitable for outdoor use.
- Full, machined tapered threads (NPT).

Standard Material/Finish

- 3/8" thru 1" straight: steel body and compression nut
- 1-1/4" thru 5" straight: malleable iron body and compression nut
- 3/8" thru 4" 45° and 90°: malleable iron body
- 3/8" thru 1" 45° and 90° caps: steel
- 1-1/4" thru 4" 45° and 90° caps: malleable iron
- 3/8" thru 1" ferrule: steel
- 1-1/4" thru 4" ferrule: aluminum
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder/zinc electroplate

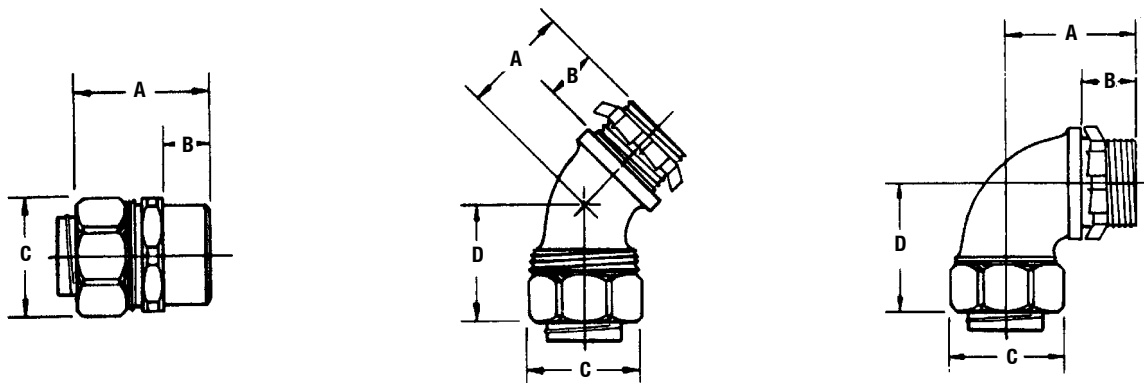
Certifications and Compliances

- UL Standard: 467
- UL Listed: E6581
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

STD Conduit Thread Size

| Flexible Conduit Size (Inches) | NPT Size |
|--------------------------------|----------|
| 3/8 | 1/2 |
| 1/2 | 1/2 |
| 3/4 | 3/4 |
| 1 | 1 |
| 1-1/4 | 1-1/4 |
| 1-1/2 | 1-1/2 |
| 2 | 2 |
| 2-1/2 | 2-1/2 |
| 3 | 3 |
| 3-1/2 | 3-1/2 |
| 4 | 4 |
| 5 | 5 |

Dimensions






Liquidtight ST Series Connectors with Plain Throat and External Grounding Lugs

For Liquidtight Flexible Metal Conduit

NEC/CEC:




Suitable for use in Class I, Division 2

| | Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Grounding Lugs Wire Size | Weight per 100 kg (lb) | Catalog Number |
|---|-----------------------|------------------------------------|--------------|--------------|---------------|--------------------------|------------------------|----------------|
| | | A | B | C | D | | | |
| Straight | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 14-4 | 8.62 (19.00) | ST-38L |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 14-4 | 8.16 (18.00) | ST-50L |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 14-4 | 12.70 (28.00) | ST-75L |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 14-4 | 18.14 (40.00) | ST-100L |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 8-1/0 | 40.82 (90.00) | ST-125L |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 8-1/0 | 57.15 (126.00) | ST-150L |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 8-1/0 | 78.93 (174.00) | ST-200L |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 1-4/0 | 162.84 (359.00) | ST-250L |
| | 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 1-4/0 | 208.20 (459.00) | ST-300L |
| | 3-1/2 | 93.7 (3.69) | 30.2 (1.19) | 127.0 (5.00) | - | 1-4/0 | 242.22 (534.00) | ST-350L |
| 4 | 101.6 (4.00) | 31.8 (1.25) | 139.7 (5.50) | - | 1-4/0 | 307.08 (677.00) | ST-400L | |
| 45° | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 14-4 | 9.98 (22.00) | ST-4538L |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 14-4 | 9.98 (22.00) | ST-4550L |
| | 3/4 | 28.7 (1.13) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 14-4 | 17.24 (38.00) | ST-4575L |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 45.9 (1.81) | 14-4 | 23.59 (52.00) | ST-45100L |
| | 1-1/4 | 41.4 (1.63) | 16.0 (0.63) | 58.7 (2.31) | 45.9 (1.81) | 8-1/0 | 49.44 (109.00) | ST-45125L |
| | 1-1/2 | 45.9 (1.81) | 16.0 (0.63) | 66.8 (2.63) | 54.1 (2.13) | 8-1/0 | 77.56 (171.00) | ST-45150L |
| | 2 | 50.8 (2.00) | 17.5 (0.69) | 81.0 (3.19) | 60.5 (2.38) | 8-1/0 | 15.21 (254.00) | ST-45200L |
| | 2-1/2 | 90.4 (3.56) | 26.9 (1.06) | 100.1 (3.94) | 127.0 (5.00) | 1-4/0 | 22.02 (269.00) | ST-45250L |
| | 3 | 109.5 (4.31) | 30.2 (1.19) | 111.3 (4.38) | 147.6 (5.81) | 1-4/0 | 40.44 (971.00) | ST-45300L |
| | 4 | 117.6 (4.63) | 31.8 (1.25) | 139.7 (5.50) | 101.6 (4.00) | 1-4/0 | 91.73 (1525.00) | ST-45400L |
| 90° | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 14-4 | 11.79 (26.00) | ST-9038L |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 31.8 (1.25) | 38.1 (1.50) | 14-4 | 11.79 (26.00) | ST-9050L |
| | 3/4 | 36.6 (1.44) | 16.0 (0.63) | 38.1 (1.50) | 39.6 (1.56) | 14-4 | 20.41 (45.00) | ST-9075L |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 14-4 | 30.84 (68.00) | ST-90100L |
| | 1-1/4 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 8-1/0 | 54.43 (120.00) | ST-90125L |
| | 1-1/2 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 8-1/0 | 91.17 (201.00) | ST-90150L |
| | 2 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 8-1/0 | 35.62 (299.00) | ST-90200L |
| | 2-1/2 | 182.6 (7.19) | 26.9 (1.06) | 100.1 (3.94) | 214.4 (8.44) | 1-4/0 | 840.05 (1852.00) | ST-90250L |
| | 3 | 219.2 (8.63) | 30.2 (1.19) | 111.3 (4.38) | 257.3 (10.13) | 1-4/0 | 503.03 (1109.00) | ST-90300L |
| | 4 | 285.8 (11.25) | 31.8 (1.25) | 139.7 (5.50) | 325.4 (12.81) | 1-4/0 | 966.15 (2130.00) | ST-90400L |

Liquidtight ST Series Connectors with Plain Throat and External Grounding Lugs

For Liquidtight Flexible Metal Conduit

NEC/CEC:
Suitable for use in Class I, Division 2

| | Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Grounding Lugs Wire Size | Weight per 100 kg (lb) | Catalog Number |
|---|-----------------------|------------------------------------|--------------|--------------|---------------|--------------------------|------------------------|----------------|
| | | A | B | C | D | | | |
| Straight | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 14-4 | 8.16 (18.00) | STB-38L |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 14-4 | 8.62 (19.00) | STB-50L |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 14-4 | 3.15 (29.00) | STB-75L |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 14-4 | 18.14 (40.00) | STB-100L |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 8-1/0 | 40.82 (90.00) | STB-125L |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 8-1/0 | 56.70 (125.00) | STB-150L |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 8-1/0 | 81.19 (179.00) | STB-200L |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 1-4/0 | 158.30 (349.00) | STB-250L |
| | 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 1-4/0 | 208.20 (459.00) | STB-300L |
| | 3-1/2 | 93.7 (3.69) | 30.2 (1.19) | 127.0 (5.00) | - | 1-4/0 | 244.49 (539.00) | STB-350L |
| 4 | 101.6 (4.00) | 31.8 (1.25) | 139.7 (5.50) | - | 1-4/0 | 303.00 (668.00) | STB-400L | |
| 45° | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 14-4 | 9.53 (21.00) | STB-4538L |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 14-4 | 9.53 (21.00) | STB-4550L |
| | 3/4 | 28.7 (1.13) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 14-4 | 16.33 (36.00) | STB-4575L |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 45.9 (1.81) | 14-4 | 24.95 (55.00) | STB-45100L |
| | 1-1/4 | 41.4 (1.63) | 16.0 (0.63) | 58.7 (2.31) | 45.9 (1.81) | 8-1/0 | 48.99 (108.00) | STB-45125L |
| | 1-1/2 | 45.9 (1.81) | 16.0 (0.63) | 66.8 (2.63) | 54.1 (2.13) | 8-1/0 | 75.30 (166.00) | STB-45150L |
| | 2 | 50.8 (2.00) | 17.5 (0.69) | 81.0 (3.19) | 60.5 (2.38) | 8-1/0 | 108.41 (239.00) | STB-45200L |
| | 2-1/2 | 90.4 (3.56) | 26.9 (1.06) | 100.1 (3.94) | 127.0 (5.00) | 1-4/0 | 348.81 (769.00) | STB-45250L |
| | 3 | 109.5 (4.31) | 30.2 (1.19) | 111.3 (4.38) | 147.6 (5.81) | 1-4/0 | 457.67 (1009.00) | STB-45300L |
| | 4 | 117.6 (4.63) | 31.8 (1.25) | 139.7 (5.50) | 101.6 (4.00) | 1-4/0 | 822.36 (1813.00) | STB-45400L |
| 90° | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 14-4 | 11.79 (26.00) | STB-9038L |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 31.8 (1.25) | 38.1 (1.50) | 14-4 | 12.25 (27.00) | STB-9050L |
| | 3/4 | 36.6 (1.44) | 16.0 (0.63) | 38.1 (1.50) | 39.6 (1.56) | 14-4 | 19.96 (44.00) | STB-9075L |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 14-4 | 29.03 (64.00) | STB-90100L |
| | 1-1/4 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 8-1/0 | 55.34 (122.00) | STB-90125L |
| | 1-1/2 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 8-1/0 | 89.81 (198.00) | STB-90150L |
| | 2 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 8-1/0 | 132.00 (291.00) | STB-90200L |
| | 2-1/2 | 182.6 (7.19) | 26.9 (1.06) | 100.1 (3.94) | 214.4 (8.44) | 1-4/0 | 385.10 (849.00) | STB-90250L |
| | 3 | 219.2 (8.63) | 30.2 (1.19) | 111.3 (4.38) | 257.3 (10.13) | 1-4/0 | 503.03 (1109.00) | STB-90300L |
| | 4 | 285.8 (11.25) | 31.8 (1.25) | 139.7 (5.50) | 325.4 (12.81) | 1-4/0 | 981.12 (2163.00) | STB-90400L |

PG and ISO Metric Thread Liquidtight Insulated Connectors

For Liquidtight Flexible Metal Conduit

Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

Features

- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements. The ferrule also provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Insulated throat protects against wire damage.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined metric threads.
- Compact design with small turning radius.

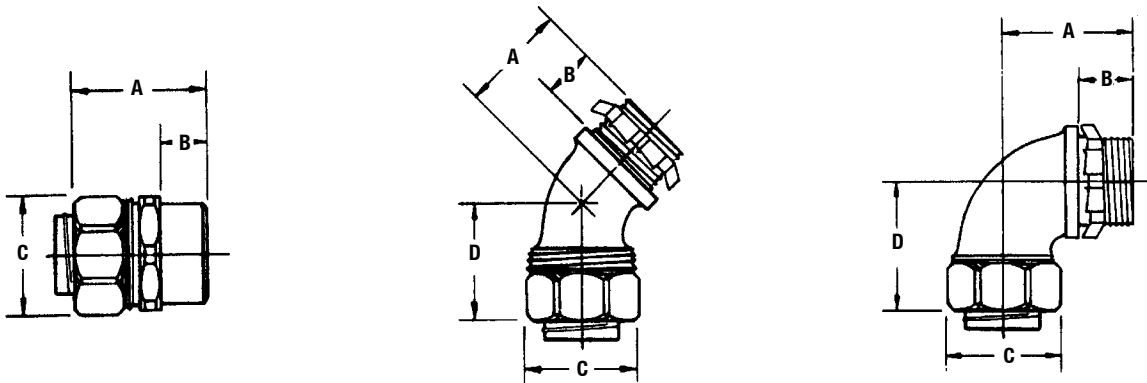
Standard Material/Finish

- 3/8" thru 1" straight: steel
- 1-1/4" thru 2" straight and 3/8" thru 2" 90°: malleable iron
- 3/8" thru 1" ferrule: steel; 1-1/4" thru 2" ferrule: aluminum
- Insulators: nylon
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat/zinc electroplate

Certifications and Compliances




- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 65178
- PG Metric Thread — German Industry Std. DIN 40430
- ISO Metric Thread — British Standard BS3643 Part 2

Dimensions






PG Metric Thread Liquidtight Insulated Connectors

For Liquidtight Flexible Metal Conduit

| | Flexible Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Metric Thread | Weight per 100 kg (lb) | Catalog Number |
|---|--------------------------------|------------------------------------|-------------|-------------|-------------|---------------|------------------------|----------------------|
| | | A | B | C | D | | | |
| PG Metric Thread – Straight – Blue Insulators | | | | | | | | |
|  | 3/8 | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 11 | 6.80 (15.00) | PG 3811-STB |
| | 3/8 | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 13.5 | 6.80 (15.00) | PG 3813-STB |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 16 | 7.17 (15.80) | PG 50-STB |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 21 | 10.66 (23.50) | PG 75-STB |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 29 | 15.42 (34.00) | PG 100-STB |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 36 | 38.10 (84.00) | PG 125-STB |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 42 | 55.57 (122.50) | PG 150-STB |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 48 | 68.04 (150.00) | PG 200-STB |
| 45° | | | | | | | | |
|  | 3/8 | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 11 | 10.43 (23.00) | PG45 3811-STB |
| | 3/8 | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 13.5 | 10.43 (23.00) | PG45 3813-STB |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 16 | 10.89 (24.00) | PG45 50-STB |
| | 3/4 | 28.7 (1.13) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 21 | 17.69 (39.00) | PG45 75-STB |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 45.9 (1.81) | 29 | 28.12 (62.00) | PG45 100-STB |
| | 1-1/4 | 41.4 (1.63) | 16.0 (0.63) | 58.7 (2.31) | 45.9 (1.81) | 36 | 51.71 (114.00) | PG45 125-STB |
| | 1-1/2 | 45.9 (1.81) | 16.0 (0.63) | 66.8 (2.63) | 54.1 (2.13) | 42 | 71.21 (157.00) | PG45 150-STB |
| | 2 | 50.8 (2.00) | 17.5 (0.69) | 81.0 (3.19) | 60.5 (2.38) | 48 | 122.47 (270.00) | PG45 200-STB |
| 90° | | | | | | | | |
|  | 3/8 | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 11 | 10.43 (23.00) | PG90 3811-STB |
| | 3/8 | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 13.5 | 10.43 (23.00) | PG90 3813-STB |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 31.8 (1.25) | 38.1 (1.50) | 16 | 10.89 (24.00) | PG90 50-STB |
| | 3/4 | 36.6 (1.44) | 16.0 (0.63) | 38.1 (1.50) | 39.6 (1.56) | 21 | 17.69 (39.00) | PG90 75-STB |
| | 1 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 29 | 28.12 (62.00) | PG90 100-STB |
| | 1-1/4 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 36 | 51.71 (114.00) | PG90 125-STB |
| | 1-1/2 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 42 | 71.21 (157.00) | PG90 150-STB |
| | 2 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 48 | 122.47 (270.00) | PG90 200-STB |

ISO Metric Thread Liquidtight Insulated Connectors

| | Flexible Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | Metric Thread | Weight per 100 kg (lb) | Catalog Number |
|---|--------------------------------|------------------------------------|-------------|-------------|-------------|---------------|------------------------|------------------------|
| | | A | B | C | D | | | |
| ISO Metric Thread – Straight – Green Insulators | | | | | | | | |
|  | 3/8 | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 16 | 6.35 (14.00) | ISO 3816-STB |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 20 | 6.80 (15.00) | ISO 5020-STB |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 25 | 9.98 (22.00) | ISO 7525-STB |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 32 | 14.97 (33.00) | ISO 10032-STB |
| 45° | | | | | | | | |
|  | 3/8 | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 16 | 7.71 (17.00) | ISO45 3816-STB |
| | 1/2 | 22.4 (0.88) | 16.0 (0.63) | 28.7 (1.13) | 28.7 (1.13) | 20 | 8.16 (18.00) | ISO45 5020-STB |
| | 3/4 | 22.4 (0.88) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 25 | 16.78 (37.00) | ISO45 7525-STB |
| | 1 | 28.7 (1.13) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 32 | 21.32 (47.00) | ISO45 10032-STB |
| 90° | | | | | | | | |
|  | 3/8 | 35.1 (1.38) | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 16 | 9.98 (22.00) | ISO90 3816-STB |
| | 1/2 | 45.9 (1.81) | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 20 | 10.43 (23.00) | ISO90 5020-STB |
| | 3/4 | 61.9 (2.44) | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 25 | 21.32 (47.00) | ISO90 7525-STB |
| | 1 | 66.8 (2.63) | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 32 | 25.40 (56.00) | ISO90 10032-STB |

Liquidtight STN Insulated Connectors for Liquidtight Flexible Metal Conduit

Straight and 90° for Liquidtight Flexible Metal Conduit Connections to Sheet Metal Enclosures.

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- For use with liquidtight flexible metal conduit in sheet metal enclosure installations.

Features

- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Flame resistant, insulating insert recessed into hex-head wedge adapter protects against wire damage, without reduction in throat diameter.
- Space-saving hex-hub wedge adapter fits nearly flush against inside walls of enclosures, providing maximum wiring room.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.

Standard Material/Finish

- 3/8" thru 1" straight: steel
- 1-1/4" thru 4" straight and 3/8" thru 1" 90°: malleable iron
- 3/8" thru 1" ferrule: steel; 1-1/4" thru 4" ferrule: aluminum
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat/zinc electroplate

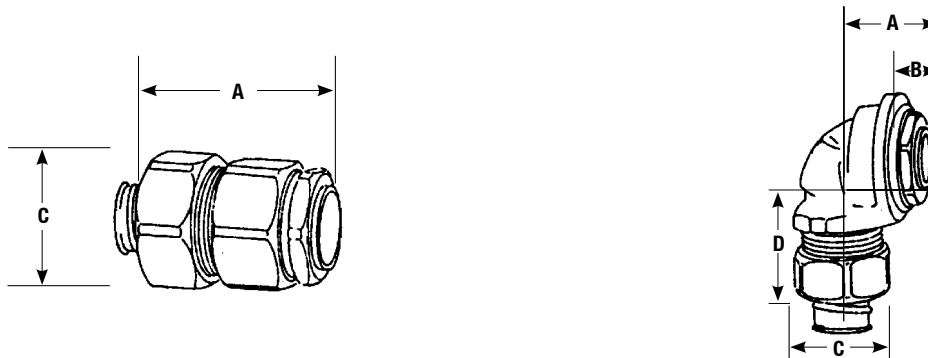
Compliances and Certification

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

STD Conduit Thread Size

| Flexible Conduit Size (Inches) | NPT Size |
|--------------------------------|----------|
| 3/8 | 1/2 |
| 1/2 | 1/2 |
| 3/4 | 3/4 |
| 1 | 1 |
| 1-1/4 | 1-1/4 |
| 1-1/2 | 1-1/2 |
| 2 | 2 |
| 2-1/2 | 2-1/2 |
| 3 | 3 |
| 4 | 4 |

Dimensions





Liquidtight STN Insulated Connectors for Liquidtight Flexible Metal Conduit

Straight and 90° for Liquidtight Flexible Metal Conduit Connections to Sheet Metal Enclosures.

NEC/CEC:

Suitable for use in Class I, Division 2

| | Size (Inches) | Millimeters (Inches) | | | | | | | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------|----------------------|----------------|-----------------|----------------|----------------------------|----------------------------|--------------------------|--------------------------|---------------------------|-------------------|
| | | Dimensions | | | | Hole Diameter | | Wall Thickness | | | |
| | | A | B | C | D | Min. | Max | Min. | Max | | |
|  | 3/8 | 35.6 (1.44) | - | 28.7 (1.13) | - | 22.4 (0.88) | 23.9 (0.94) 24.6 (0.97) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 8.16 (18.00) | STN-38 |
| | 1/2 | 35.6 (1.44) | - | 31.8 (1.25) | - | 22.4 (0.88) | 23.9 (0.94) 24.6 (0.97) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 9.07 (20.00) | STN-50 |
| | 3/4 | 39.6 (1.56) | - | 38.1 (1.50) | - | 27.7 (1.09) | 29.5 (1.16) 31.0 (1.22) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 13.61 (30.00) | STN-75 |
| | 1 | 44.5 (1.75) | - | 45.9 (1.81) | - | 34.0 (1.34) | 35.8 (1.41) 37.3 (1.47) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 18.51 (40.80) | STN-100 |
| | 1-1/4 | 66.8 (2.63) | - | 58.7 (2.31) | - | 42.9 (1.69) | 45.2 (1.78) 46.7 (1.84) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 7.9 (0.31) | 56.70 (125.00) | STN-125 |
| | 1-1/2 | 66.8 (2.63) | - | 66.8 (2.63) | - | 49.3 (1.94) | 51.6 (2.03) 53.1 (2.09) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 7.9 (0.31) | 83.46 (184.00) | STN-150 |
| | 2 | 74.7 (2.94) | - | 81.0 (3.19) | - | 60.7 (2.39) | 64.3 (2.53) 65.8 (2.59) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 7.9 (0.31) | 127.01 (280.00) | STN-200 |
| | 2-1/2 | 92.2 (3.63) | - | 100.1 (3.94) | - | 73.4 (2.89) | 76.7 (3.02) | 2.3 (0.09) | 7.9 (0.31) | 230.88 (509.00) | STN-250 |
|  | 3 | 81.0 (3.19) | - | 111.3 (4.38) | - | 89.4 (3.52) | 92.5 (3.64) | 2.3 (0.09) | 7.9 (0.31) | 303.45 (669.00) | STN-300 |
| | 4 | 106.4 (4.19) | - | 139.7 (5.50) | - | 114.8 (4.52) | 117.6 (4.63) | 2.3 (0.09) | 7.9 (0.31) | 390.09 (860.00) | STN-400 |
| | 3/8 | 21.3 (0.84) | 11.2 (0.44) | 28.7 (1.13) | 38.1 (1.50) | 22.4 (0.88) | 23.9 (0.94) 24.6 (0.97) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 9.53 (21.00) | STN-9038 |
| | 1/2 | 21.3 (0.84) | 11.2 (0.44) | 31.8 (1.25) | 38.1 (1.50) | 22.4 (0.88) | 23.9 (0.94) 24.6 (0.97) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 13.61 (30.00) | STN-9050 |
| 3/4 | 23.9 (0.94) | 12.7 (0.5) | 38.1 (1.50) | 42.9 (1.69) | 27.7 (1.09) | 29.5 (1.16) 31.0 (1.22) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 16.33 (36.00) | STN-9075 | |
| 1 | 27.9 (1.10) | 17.5 (0.69) | 45.9 (1.81) | 47.8 (1.88) | 34.0 (1.34) | 35.8 (1.41) 37.3 (1.47) | 1.5 (0.06) 2.3 (0.09) | 2.0 (0.08) 6.4 (0.25) | 36.29 (80.00) | STN-90100 | |

Liquidtight STF Connectors with Threaded Hubs

For Liquidtight Flexible Metal Conduit. Female ST Connectors.

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- For use with liquidtight flexible metal conduit when making connection to threaded rigid conduit and IMC.

Features

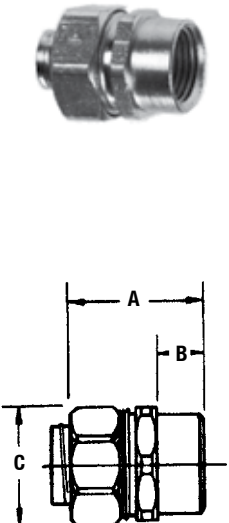
- Female ST connectors have a unique long ferrule with more pronounced threads that provide over four times UL pull-out requirements. The ferrule also provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined tapered threads (NPT).
- ST connectors have compact design with small turning radius.

Standard Material/Finish

- 3/8" thru 1": steel with steel ferrule; 1-1/4" thru 4": malleable iron with aluminum ferrule
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat/zinc electroplate

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---|------------------------|------------------------------------|-------------|--------------|---------------------------|-------------------|
| | | A | B | C | | |
| Female ST Connectors with Threaded Hubs | | | | | | |
|  | 3/8 flex, 1/2 hub | 33.3 (1.31) | 11.2 (0.44) | 28.7 (1.13) | 5.90 (13.00) | ST-38F |
| | 1/2 | 33.3 (1.31) | 11.2 (0.44) | 31.8 (1.25) | 6.35 (14.00) | ST-50F |
| | 3/4 | 36.6 (1.44) | 12.7 (0.50) | 38.1 (1.50) | 9.53 (21.00) | ST-75F |
| | 1 | 39.6 (1.56) | 17.5 (0.69) | 45.9 (1.81) | 14.06 (31.00) | ST-100F |
| | 1-1/4 | 52.3 (1.06) | 23.8 (0.94) | 58.7 (2.31) | 44.90 (99.00) | ST-125F |
| | 1-1/2 | 63.5 (2.50) | 28.4 (1.12) | 66.8 (2.63) | 65.18 (143.70) | ST-150F |
| | 2 | 69.9 (2.75) | 31.8 (1.25) | 81.0 (3.19) | 102.06 (225.00) | ST-200F |
| | 2-1/2 | 79.2 (3.12) | 35.1 (1.38) | 100.1 (3.94) | 182.84 (403.10) | ST-250F |
| | 3 | 93.5 (3.68) | 39.6 (1.56) | 111.3 (4.38) | 193.96 (427.60) | ST-300F |
| | 4 | 100.1 (3.94) | 44.5 (1.75) | 139.7 (5.50) | 300.46 (662.40) | ST-400F |

Liquidtight Accessories

For Liquidtight Flexible Metal Conduit

Applications

- STG sealing gaskets: gaskets provide a positive seal between shoulder of connector and sheet metal enclosure.

Features

- STG sealing gaskets in sizes 1/4" and 3/8" are one piece elastomeric gaskets. Size 1/2" thru 2" have unique bonded gasket/retaining-ring assembly for easy installation. Sizes 2-1/2" thru 5" have separate gasket and retaining ring. 1/4" and 3/8" available in thermoplastic material.

| Trade Size (Inches) | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------|----------------|
|---------------------|------------------------|----------------|

Steel Backed Neoprene Sealing Gasket Assembly ①



| | | |
|-------|--------------|------------------|
| 1/4 | 0.45 (1.00) | STG-25N ② |
| 1/2 | 0.45 (1.00) | STG-38N ② |
| 1/2 | 0.45 (1.00) | STG-50N |
| 3/4 | 0.45 (1.00) | STG-75N |
| 1 | 0.64 (1.40) | STG-100N |
| 1-1/4 | 1.63 (3.60) | STG-125N |
| 1-1/2 | 2.72 (6.00) | STG-150N |
| 2 | 2.72 (6.00) | STG-200N |
| 2-1/2 | 4.31 (9.50) | STG-250N |
| 3 | 5.44 (12.00) | STG-300N |
| 3-1/2 | 6.35 (14.00) | STG-350N |
| 4 | 6.80 (15.00) | STG-400N |

Patented Replacement Grounding Ferrule ③

(for use in Appleton ST Series only)

Steel



| | | |
|-----|-------------|----------------|
| 3/8 | 0.91 (2.00) | STF-38 |
| 1/2 | 0.91 (2.00) | STF-50 |
| 3/4 | 1.36 (3.00) | STF-75 |
| 1 | 3.63 (8.00) | STF-100 |

Aluminum



| | | |
|-------|---------------|----------------|
| 1-1/4 | 1.81 (4.00) | STF-125 |
| 1-1/2 | 1.45 (3.20) | STF-150 |
| 2 | 2.72 (6.00) | STF-200 |
| 2-1/2 | 10.43 (23.00) | STF-250 |
| 3 | 7.26 (16.00) | STF-300 |
| 3-1/2 | 22.68 (50.00) | STF-350 |
| 4 | 17.24 (38.00) | STF-400 |

① Not for use with STN.

② Elastomer without steel backing.

③ Not UL Listed.

Standard Material

- STG sealing gaskets: steel retaining ring, neoprene gasket, elastomeric gasket
- STF: 3/8" thru 1": steel; 1-1/4" thru 4": aluminum
- ST-SR: stainless steel

Certifications and Compliances

- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178 (STG Series)
- NEMA: FB-1

Wire Mesh Strain Relief

The ST-SR Series with cap can be substituted for any related trade size ST Series cap to convert it to a Liquidtight connector with wire mesh strain relief.



| Trade Size (Inches) | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------|-----------------|
| 3/8 | 2.45 (5.40) | ST-SR38 |
| 1/2 | 4.85 (10.70) | ST-SR50 |
| 3/4 | 7.30 (16.10) | ST-SR75 |
| 1 | 8.48 (18.70) | ST-SR100 |
| 1-1/4 | 9.71 (21.40) | ST-SR125 |
| 1-1/2 | 12.11 (26.70) | ST-SR150 |
| 2 | 14.56 (32.10) | ST-SR200 |
| 2-1/2 | 26.67 (58.80) | ST-SR250 |
| 3 | 38.78 (85.50) | ST-SR300 |
| 3 | 5.44 (12.00) | STG-300N |

Liquidtight Flexible Metal Conduit Connectors with Wire Mesh Strain Relief

For Liquidtight Flexible Metal Conduit. STB, STN, and Female ST Types.

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- For use with liquidtight flexible metal conduit subjected to flexure, vibration, motion, or strain. "STB" Type connects to threaded hubs. "STN" Type is for connections to sheet metal enclosures. Female ST Type connects to threaded rigid conduit and IMC.

Features

- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule also provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Stainless steel wire mesh prevents pull-out of flexible conduit from fitting and alleviates flexing stress at liquidtight connection.
- Insulated throat (STB and STN Series) protects against wire damage.
- STN Type has space-saving hex hub wedge adapter that fits nearly flush against inside walls of enclosures, providing maximum wiring room.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- STB Series has full, machined tapered threads (NPT).

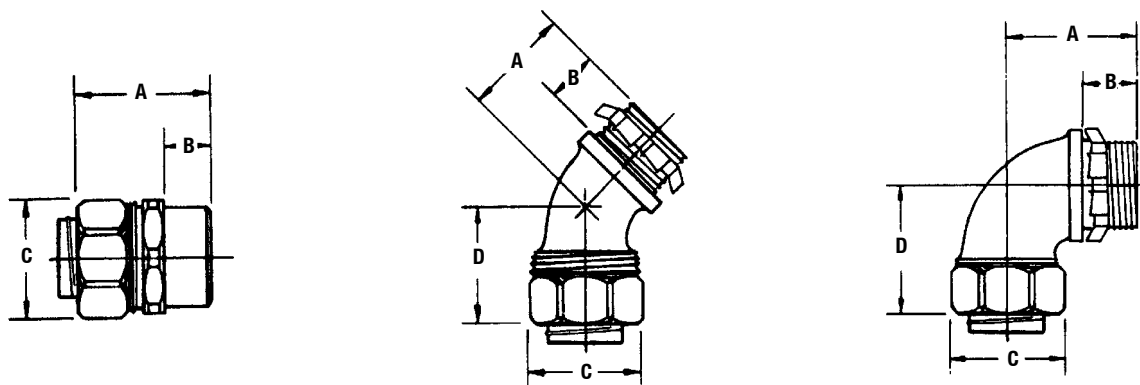
Standard Material/Finish

- Straight STB, STN, and Female ST connectors: 3/8" thru 1" are steel, 1-1/4" and over are malleable iron
- 45° and 90° connectors: all sizes are malleable iron
- Ferrule: 3/8" thru 1" are steel; 1-1/4" and over are aluminum
- Wire mesh: stainless steel
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat/zinc electroplate

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

Dimensions



STD Conduit Thread Size





| Flexible Conduit Size (Inches) | NPT Size |
|--------------------------------|----------|
| 3/8 | 1/2 |
| 1/2 | 1/2 |
| 3/4 | 3/4 |
| 1 | 1 |
| 1-1/4 | 1-1/4 |
| 1-1/2 | 1-1/2 |
| 2 | 2 |
| 2-1/2 | 2-1/2 |
| 3 | 3 |

Liquidtight Flexible Metal Conduit Connectors with Wire Mesh Strain Relief

For Liquidtight Flexible Metal Conduit. STB, STN, and Female ST Types.

NEC/CEC:

Suitable for use in Class I, Division 2

| | Dimensions in Millimeters (Inches) | | | | Outside Diameter | | Weight per 100 kg (lb) | Catalog Number | |
|---|------------------------------------|--------------|---------------|--------------|------------------|-------------|------------------------|--------------------|--------------------|
| | A | B | C | D | Min. | Max | | | |
| STB Straight — Insulated | | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 17.5 (0.69) | 18.0 (0.71) | 9.25 (20.40) | STB-38SR |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 20.8 (0.82) | 21.3 (0.84) | 12.11 (26.70) | STB-50SR |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 26.2 (1.03) | 26.7 (1.05) | 17.74 (39.10) | STB-75SR |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 32.8 (1.29) | 33.5 (1.32) | 23.90 (52.70) | STB-100SR |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 41.4 (1.63) | 42.2 (1.66) | 47.81 (105.40) | STB-125SR |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 47.5 (1.87) | 48.3 (1.90) | 66.09 (145.70) | STB-150SR |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 59.4 (2.34) | 60.5 (2.38) | 91.67 (202.10) | STB-200SR |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 72.1 (2.84) | 73.2 (2.88) | 180.89 (398.80) | STB-250SR |
| 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 87.9 (3.46) | 88.9 (3.50) | 242.90 (535.50) | STB-300SR | |
| STB 45° — Insulated | | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 28.7 (1.13) | 16.0 (0.63) | 28.7 (1.13) | 22.4 (0.88) | 17.5 (0.69) | 18.0 (0.71) | 10.61 (23.40) | STB-4538SR |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 28.7 (1.13) | 22.4 (0.88) | 20.8 (0.82) | 21.3 (0.84) | 13.01 (28.70) | STB-4550SR |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 31.8 (1.25) | 28.7 (1.13) | 26.2 (1.03) | 26.7 (1.05) | 20.91 (46.10) | STB-4575SR |
| | 1 | 45.9 (1.81) | 19.1 (0.75) | 45.9 (1.81) | 35.1 (1.38) | 32.8 (1.29) | 33.5 (1.32) | 30.71 (67.70) | STB-45100SR |
| | 1-1/4 | 58.7 (2.31) | 16.0 (0.63) | 45.9 (1.81) | 41.4 (1.63) | 41.4 (1.63) | 42.2 (1.66) | 55.97 (123.40) | STB-45125SR |
| | 1-1/2 | 66.8 (2.63) | 16.0 (0.63) | 54.1 (2.13) | 45.9 (1.81) | 47.5 (1.87) | 48.3 (1.90) | 85.09 (187.60) | STB-45150SR |
| | 2 | 81.0 (3.19) | 17.5 (0.69) | 60.5 (2.38) | 50.8 (2.00) | 59.4 (2.34) | 60.5 (2.38) | 118.89 (262.10) | STB-45200SR |
| | 2-1/2 | 100.1 (3.94) | 26.9 (1.06) | 127.0 (5.00) | 90.4 (3.56) | 72.1 (2.84) | 73.2 (2.88) | 371.40 (818.80) | STB-45250SR |
| 3 | 111.3 (4.38) | 30.2 (1.19) | 147.6 (5.81) | 109.5 (4.31) | 87.9 (3.46) | 88.9 (3.50) | 492.37 (1085.50) | STB-45300SR | |
| STB 90° — Insulated | | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 28.7 (1.13) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 17.5 (0.69) | 18.0 (0.71) | 12.88 (28.40) | STB-9038SR |
| | 1/2 | 31.8 (1.25) | 16.0 (0.63) | 38.1 (1.50) | 31.8 (1.25) | 20.8 (0.82) | 21.3 (0.84) | 15.74 (34.70) | STB-9050SR |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 39.6 (1.56) | 36.6 (1.44) | 26.2 (1.03) | 26.7 (1.05) | 24.54 (54.10) | STB-9075SR |
| | 1 | 45.9 (1.81) | 19.1 (0.75) | 47.8 (1.88) | 35.1 (1.38) | 32.8 (1.29) | 33.5 (1.32) | 34.79 (76.70) | STB-90100SR |
| | 1-1/4 | 58.7 (2.31) | 16.0 (0.63) | 60.5 (2.38) | 45.9 (1.81) | 41.4 (1.63) | 42.2 (1.66) | 62.32 (137.40) | STB-90125SR |
| | 1-1/2 | 66.8 (2.63) | 16.0 (0.63) | 81.0 (3.19) | 61.9 (2.44) | 47.5 (1.87) | 48.3 (1.90) | 99.20 (218.70) | STB-90150SR |
| | 2 | 81.0 (3.19) | 17.5 (0.69) | 90.4 (3.56) | 66.8 (2.63) | 59.4 (2.34) | 60.5 (2.38) | 142.47 (314.10) | STB-90200SR |
| | 2-1/2 | 100.1 (3.94) | 26.9 (1.06) | 144.4 (8.44) | 182.6 (7.19) | 72.1 (2.84) | 73.2 (2.88) | 407.69 (898.80) | STB-90250SR |
| 3 | 111.3 (4.38) | 30.2 (1.19) | 257.3 (10.13) | 219.2 (8.63) | 87.9 (3.46) | 88.9 (3.50) | 537.73 (1185.50) | STB-90300SR | |
| Female ST Connectors with Threaded Hubs | | | | | | | | | |
|  | 3/8 flex, 1/2 hub | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | - | 17.5 (0.69) | 18.0 (0.71) | 8.35 (18.40) | ST-38FSR |
| | 1/2 | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | - | 20.8 (0.82) | 21.3 (0.84) | 11.20 (24.70) | ST-50FSR |
| | 3/4 | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | - | 26.2 (1.03) | 26.7 (1.05) | 16.83 (37.10) | ST-75FSR |
| | 1 | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | - | 32.8 (1.29) | 33.5 (1.32) | 22.54 (49.70) | ST-100FSR |
| | 1-1/4 | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | - | 41.4 (1.63) | 42.2 (1.66) | 54.61 (120.40) | ST-125FSR |
| | 1-1/2 | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | - | 47.5 (1.87) | 48.3 (1.90) | 77.29 (170.40) | ST-150FSR |
| | 2 | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | - | 59.4 (2.34) | 60.5 (2.38) | 116.62 (257.10) | ST-200FSR |
| | 2-1/2 | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | - | 72.1 (2.84) | 73.2 (2.88) | 209.51 (461.90) | ST-250FSR |
| 3 | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | - | 87.9 (3.46) | 88.9 (3.50) | 232.74 (513.10) | ST-300FSR | |

Liquidtight Flexible Metal Conduit Connectors with Wire Mesh Strain Relief

STN Types

NEC/CEC:
Suitable for use in Class I, Division 2

| Trade Size (Inches) | STD Thread Pipe | Dimensions in Millimeters (Inches) | | Hole Diameter in Millimeters (Inches) | | Wall Thickness | | Outside Diameter in Millimeters (Inches) | | Weight per 100 kg (lb) | Catalog Number |
|---------------------------------|-----------------|------------------------------------|--------------|---------------------------------------|-------------|----------------|------------|--|-------------|------------------------|----------------|
| | | A | C | Min. | Max | Min. | Max | Min. | Max | | |
| STN Straight – Insulated | | | | | | | | | | | |
| 3/8 | 1/2"-14" | 35.6 (1.44) | 28.7 (1.13) | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 17.5 (0.69) | 18.0 (0.71) | 10.61 (23.40) | STN-38SR |
| | | | | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1/2 | 1/2"-14" | 35.6 (1.44) | 31.8 (1.25) | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 20.8 (0.82) | 21.3 (0.84) | 13.93 (30.70) | STN-50SR |
| | | | | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 3/4 | 3/4"-14" | 39.6 (1.56) | 38.1 (1.50) | 27.7 (1.09) | 29.5 (1.16) | 1.5 (0.06) | 2.0 (0.08) | 26.2 (1.03) | 26.7 (1.05) | 20.91 (46.10) | STN-75SR |
| | | | | | 31.0 (1.22) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1 | 1"-11-1/2" | 44.5 (1.75) | 45.9 (1.81) | 34.0 (1.34) | 35.8 (1.41) | 1.5 (0.06) | 2.0 (0.08) | 32.8 (1.29) | 33.5 (1.32) | 26.99 (59.50) | STN-100SR |
| | | | | | 37.3 (1.47) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1-1/4 | 1-1/4"-11-1/2" | 66.8 (2.63) | 58.7 (2.31) | 42.9 (1.69) | 45.2 (1.78) | 1.5 (0.06) | 2.0 (0.08) | 41.4 (1.63) | 42.2 (1.66) | 66.41 (146.40) | STN-125SR |
| | | | | | 46.7 (1.84) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 1-1/2 | 1-1/2"-11-1/2" | 66.8 (2.63) | 66.8 (2.63) | 49.3 (1.94) | 51.6 (2.03) | 1.5 (0.06) | 2.0 (0.08) | 47.5 (1.87) | 48.3 (1.90) | 95.57 (210.70) | STN-150SR |
| | | | | | 53.1 (2.09) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 2 | 2"-11-1/2" | 74.7 (2.94) | 81.0 (3.19) | 60.7 (2.39) | 64.3 (2.53) | 1.5 (0.06) | 2.0 (0.08) | 59.4 (2.34) | 60.5 (2.38) | 141.57 (312.10) | STN-200SR |
| | | | | | 65.8 (2.59) | 2.3 (0.09) | 7.9 (0.31) | | | | |
| 2-1/2 | 2-1/2"-8" | 92.2 (3.63) | 100.1 (3.94) | 73.4 (2.89) | 76.7 (3.02) | 2.3 (0.09) | 7.9 (0.31) | 72.1 (2.84) | 73.2 (2.88) | 257.55 (567.80) | STN-250SR |
| | | | | | | | | | | | |
| 3 | 3" - 8" | 81.0 (3.19) | 111.3 (4.38) | 89.4 (3.52) | 92.5 (3.64) | 2.3 (0.09) | 7.9 (0.31) | 87.9 (3.46) | 88.9 (3.50) | 342.24 (754.50) | STN-300SR |
| | | | | | | | | | | | |
| STN 90° – Insulated | | | | | | | | | | | |
| 3/8 | 1/2"-14" | - | - | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 17.5 (0.69) | 18.0 (0.71) | 11.97 (26.40) | STN-9038SR |
| | | | | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1/2 | 1/2"-14" | - | - | 22.4 (0.88) | 23.9 (0.94) | 1.5 (0.06) | 2.0 (0.08) | 20.8 (0.82) | 21.3 (0.84) | 13.93 (30.70) | STN-9050SR |
| | | | | | 24.6 (0.97) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 3/4 | 3/4"-14" | - | - | 27.7 (1.09) | 29.5 (1.16) | 1.5 (0.06) | 2.0 (0.08) | 26.2 (1.03) | 26.7 (1.05) | 23.63 (52.10) | STN-9075SR |
| | | | | | 31.0 (1.22) | 2.3 (0.09) | 6.4 (0.25) | | | | |
| 1 | 1"-11-1/2" | - | - | 34.0 (1.34) | 35.8 (1.41) | 1.5 (0.06) | 2.0 (0.08) | 32.8 (1.29) | 33.5 (1.32) | 45.99 (101.40) | STN-90100SR |
| | | | | | 37.3 (1.47) | 2.3 (0.09) | 6.4 (0.25) | | | | |



Aluminum Liquidtight ST Series Connectors with Plain Throat

For Liquidtight Flexible Metal Conduit

NEC/CEC:

Suitable for use in Class I, Division 2

Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

Features


- Lightweight aluminum construction facilitates installation.
- Seals out oil, water, dust, dirt and fumes.
- High corrosion resistance.
- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined tapered threads (NPT).
- Compact design with small turning radius.


Standard Material

- Copperfree (4/10 of 1% of copper or less) aluminum

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

| | Trade Size (Inches) | STD Pipe Thread Size | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|----------------------|------------------------------------|--------------|----------------|------------------------|----------------|
| | | | A | B | C | | |
|  | 3/8 flex, 1/2 hub | 1/2" - 14" | 36.6 (1.44) | 16.0 (0.63) | 28.7 (1.13) | 101.40 (4.80) | ST-38AL |
| | 1/2 | 1/2" - 14" | 36.6 (1.44) | 16.0 (0.63) | 31.8 (1.25) | 2.04 (4.50) | ST-50AL |
| | 3/4 | 3/4" - 14" | 38.1 (1.50) | 16.0 (0.63) | 38.1 (1.50) | 299 (6.60) | ST-75AL |
| | 1 | 1" - 11-1/2" | 41.4 (1.63) | 19.1 (0.75) | 45.9 (1.81) | 4.63 (10.20) | ST-100AL |
| | 1-1/4 | 1-1/4" - 11-1/2" | 50.8 (2.00) | 16.0 (0.63) | 58.7 (2.31) | 11.43 (25.20) | ST-125AL |
| | 1-1/2 | 1-1/2" - 11-1/2" | 57.2 (2.25) | 16.0 (0.63) | 66.8 (2.63) | 16.33 (36.00) | ST-150AL |
| | 2 | 2" - 11-1/2" | 63.5 (2.50) | 17.5 (0.69) | 81.0 (3.19) | 22.45 (49.50) | ST-200AL |
| | 2-1/2 | 2-1/2" - 8" | 85.9 (3.38) | 26.9 (1.06) | 100.1 (3.94) | 47.63 (105.00) | ST-250AL |
| | 3 | 3" - 8" | 93.7 (3.69) | 30.2 (1.19) | 111.3 (4.38) | 61.23 (135.00) | ST-300AL |
| 4 | 4" - 8" | 101.6 (4.00) | 31.8 (1.25) | 139.7 (5.50) | 90.34 (199.20) | ST-400AL | |

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|------------------------------------|-------------|-------------|-------------|------------------------|----------------|
| | | B | C | E | F | | |
|  | 3/8 flex, 1/2 hub | 16.0 (0.63) | 28.7 (1.13) | 38.1 (1.50) | 31.8 (1.25) | 3.08 (6.80) | ST-9038AL |
| | 1/2 | 16.0 (0.63) | 31.8 (1.25) | 38.1 (1.50) | 31.8 (1.25) | 3.13 (6.90) | ST-9050AL |
| | 3/4 | 16.0 (0.63) | 38.1 (1.50) | 39.6 (1.56) | 36.6 (1.44) | 5.31 (11.70) | ST-9075AL |
| | 1 | 19.1 (0.75) | 45.9 (1.81) | 47.8 (1.88) | 35.1 (1.38) | 8.44 (18.60) | ST-90100AL |
| | 1-1/4 | 16.0 (0.63) | 58.7 (2.31) | 60.5 (2.38) | 45.9 (1.81) | 5.51 (34.20) | ST-90125AL |
| | 1-1/2 | 16.0 (0.63) | 66.8 (2.63) | 81.0 (3.19) | 61.9 (2.44) | 6.54 (58.50) | ST-90150AL |
| | 2 | 17.5 (0.69) | 81.0 (3.19) | 90.4 (3.56) | 66.8 (2.63) | 9.46 (87.00) | ST-90200AL |

ETP 4QS Straight 45° and 90° Steel Liquidtight Fittings

Suitable for use in the following NEC/CEC Governed Locations:
 Class I, Division 2 per NEC 501.10(B)(4)
 Class I, Zone 2 per NEC 505.15(C)(2)
 Class II, Division 2 per NEC 502.4(A)(1)(e)
 Class II, Division 2 per NEC 502.4(B)(2)

Suitable for use in the following NEC/CEC Governed Locations:
 Class III, Division 1 per NEC 503.3(A)(2)
 Class III, Division 2 per NEC 503.3(B)

Application

- 4QS liquidtight connectors and liquidtight fl exible metallic conduit are used in applications where conditions of installation, operation or maintenance require fl exibility or protection from liquids, vapors or solids such as: machine tool building, motor and transformer terminations, robotics assembly, air conditioning equipment installation and Class I, Division 2 wiring.

Features

- Tapered threaded male NPT hub.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight.
- UL Listed liquidtight fl exible metal conduit fittings from 3/8" thru 1-1/4" trade sizes are suitable for grounding.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Suitable for use in the following Hazardous Locations:
- Reusable ferrule.

Standard Material/Finish


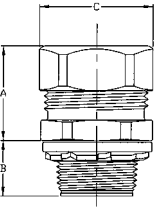

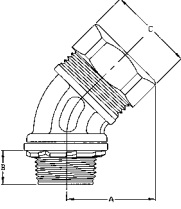

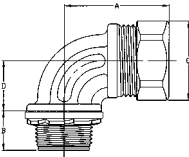
- 3/8" thru 1": steel/zinc plated
- 1-1/2" thru 4": malleable iron
- Ferrule: steel/zinc plated
- Sealing ring: nylon

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 009795
- NEMA: FB-1

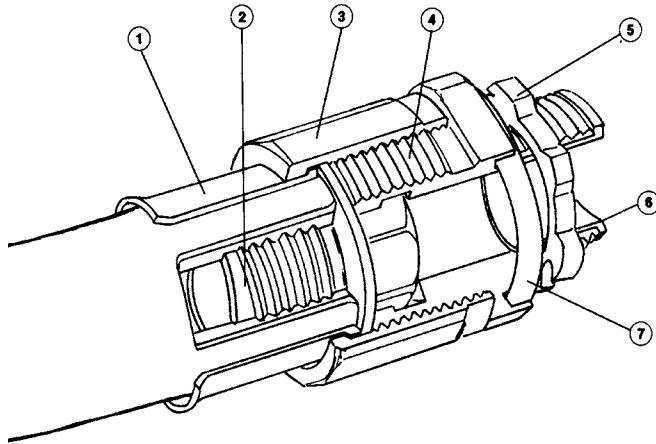
Related Products

- Bonding locknuts are recommended in hazardous locations

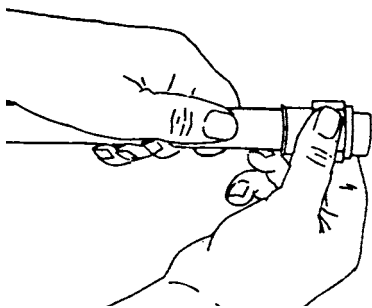
| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number | |
|---|---------------------|------------------------------------|--------------|-----------------|------------------|---------------------------------|---|
| | | A | B | C | | | |
| Straight Type 4QS-38 — Type 4QS-400 | | | | | | | |
|  | 3/8 (1/2 KO) | 24.4 (0.96) | 13.7 (0.54) | 31.0 (1.22) | 4QS-38 | 4QS-38T |  |
| | 1/2 | 25.9 (1.02) | 13.7 (0.54) | 34.5 (1.36) | 4QS-50 | 4QS-50T | |
| | 3/4 | 25.4 (1.00) | 15.2 (0.60) | 41.1 (1.62) | 4QS-75 | 4QS-75T | |
| | 1 | 30.0 (1.18) | 16.8 (0.66) | 48.3 (1.90) | 4QS-100 | 4QS-100T | |
| | 1-1/4 | 25.7 (1.01) | 18.8 (0.74) | 62.5 (2.46) | 4QS-125 | 4QS-125T | |
| | 1-1/2 | 33.5 (1.32) | 19.3 (0.76) | 69.1 (2.72) | 4QS-150 | 4QS-150T | |
| | 2 | 39.6 (1.56) | 19.3 (0.76) | 88.4 (3.48) | 4QS-200 | 4QS-200T | |
| | 2-1/2 | 60.2 (2.37) | 25.9 (1.02) | 97.0 (3.82) | 4QS-250 | 4QS-250T | |
| | 3 | 70.1 (2.76) | 26.9 (1.06) | 116.1 (4.57) | 4QS-300 | 4QS-300T | |
| | 3-1/2 | 69.1 (2.72) | 27.9 (1.10) | 132.8 (5.23) | 4QS-350 | 4QS-350T | |
| 4 | 66.3 (2.61) | 29.0 (1.14) | 149.1 (5.87) | 4QS-400 | 4QS-400T | | |
| 45° Type 4QS-438 — Type 4QS-4400 | | | | | | | |
|  | 3/8 (1/2 KO) | 30.2 (1.19) | 13.7 (0.54) | 31.0 (1.22) | 4QS-438 | 4QS-438T |  |
| | 1/2 | 34.3 (1.35) | 13.7 (0.54) | 34.5 (1.36) | 4QS-450 | 4QS-450T | |
| | 3/4 | 33.5 (1.32) | 15.2 (0.60) | 41.1 (1.62) | 4QS-475 | 4QS-475T | |
| | 1 | 42.2 (1.66) | 16.8 (0.66) | 48.3 (1.90) | 4QS-4100 | 4QS-4100T | |
| | 1-1/4 | 51.6 (2.03) | 18.8 (0.74) | 62.5 (2.46) | 4QS-4125 | 4QS-4125T | |
| | 1-1/2 | 57.2 (2.25) | 19.3 (0.76) | 69.1 (2.72) | 4QS-4150 | 4QS-4150T | |
| | 2 | 68.3 (2.69) | 19.3 (0.76) | 88.4 (3.48) | 4QS-4200 | 4QS-4200T | |
| | 2-1/2 | 98.8 (3.89) | 25.9 (1.02) | 97.0 (3.82) | 4QS-4250 | 4QS-4250T | |
| | 3 | 111.0 (4.37) | 26.9 (1.06) | 116.1 (4.57) | 4QS-4300 | 4QS-4300T | |
| | 3-1/2 | 115.3 (4.54) | 27.9 (1.10) | 132.8 (5.23) | 4QS-4350 | 4QS-4350T | |
| 4 | 121.4 (4.78) | 29.0 (1.14) | 149.1 (5.87) | 4QS-4400 | 4QS-4400T | | |
| 90° Type 4QS-938 — Type 4QS-9400 | | | | | | | |
|  | 3/8 (1/2 KO) | 40.9 (1.61) | 13.7 (0.54) | 31.0 (1.22) | 4QS-938 | 4QS-938T |  |
| | 1/2 | 39.9 (1.57) | 13.7 (0.54) | 34.5 (1.36) | 4QS-950 | 4QS-950T | |
| | 3/4 | 41.4 (1.63) | 15.2 (0.60) | 41.1 (1.62) | 4QS-975 | 4QS-975T | |
| | 1 | 52.8 (2.08) | 16.8 (0.66) | 48.3 (1.90) | 4QS-9100 | 4QS-9100T | |
| | 1-1/4 | 59.4 (2.34) | 18.8 (0.74) | 62.5 (2.46) | 4QS-9125 | 4QS-9125T | |
| | 1-1/2 | 66.0 (2.60) | 19.3 (0.76) | 69.1 (2.72) | 4QS-9150 | 4QS-9150T | |
| | 2 | 75.4 (2.97) | 19.3 (0.76) | 88.4 (3.48) | 4QS-9200 | 4QS-9200T | |
| | 2-1/2 | 135.9 (5.35) | 25.9 (1.02) | 97.0 (3.82) | 4QS-9250 | 4QS-9250T | |
| | 3 | 140.0 (5.51) | 26.9 (1.06) | 116.1 (4.57) | 4QS-9300 | 4QS-9300T | |
| | 3-1/2 | 154.9 (6.10) | 27.9 (1.10) | 132.8 (5.23) | 4QS-9350 | 4QS-9350T | |
| 4 | 154.9 (6.10) | 29.0 (1.14) | 149.1 (5.87) | 4QS-9400 | 4QS-9400T | | |

Liquidtight Flexible Nonmetallic Conduit Connectors

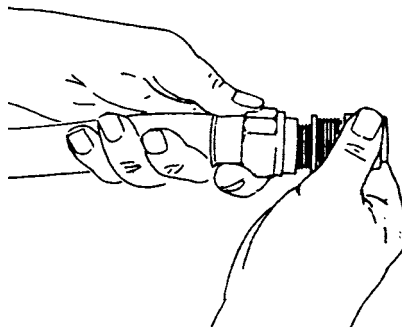
Featuring "Floating Sleeve" Design.



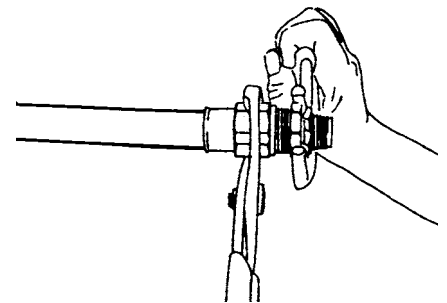
1. Floating sleeve self-aligns to minor conduit variations and protects seal from conduit flexing.
2. Nylon ferrule's deep-biting threads prevent pull-out.
3. Compression nut squeezes conduit tightly between sleeve and ferrule.
4. Connector body prevents conduit from twisting and binding.
5. Locknut bites in for vibration-proof connection.
6. Insulated throat protects conductor insulation.
7. "O" ring forms tight seal to metal surfaces.



1. Slide compression nut with captive floating sleeve over end of Type A conduit (exposing about one inch of conduit). Sleeve self-aligns to compensate for minor conduit surface irregularities or non-uniform conduit wall thickness. Nut moves freely over sleeve, which doesn't rotate. Nut can't bind...conduit can't twist during assembly or disassembly.



2. Use connector body as "wrench" to thread rugged nylon ferrule into inner wall of conduit. (The octagonal head of the ferrule mates precisely with the matching octagonal recess in the connector body.) The ferrule threads bite deeply into the conduit wall for a positive seal. Provides superior pull-out resistance.



3. Wrench-tighten until nut contacts shoulder on body to complete assembly. This tightly compresses conduit between sleeve and ferrule for a positive liquidtight seal. When tightened, floating sleeve extends beyond compression nut to protect connection from strain of flexing.

Liquidtight STNM Type A Flexible Nonmetallic Conduit Connectors

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- STNM connectors with exclusive "floating sleeve" reduces installation time when connecting to Type A nonmetallic flexible conduit.

Features

- Eliminates common connection problems and assures a liquidtight seal against oil, water, dirt and chemicals.
- The positive, pull out proof seal formed by a STNM connector begins with its deep-threaded ferrule that bites into the inner wall of the conduit.
- The sleeve separates the STNM series apart from ordinary connectors. The sleeve is held captive within a compression nut that allows it to move freely and self-align with the conduit having a slightly irregular surface or varying wall thickness.
- The nut rides only on the sleeve and not on the conduit. It cannot bend or twist the conduit, and thereby protects wiring. When fully tightened, the flared sleeve extends beyond the nut, providing additional protection from flexing.



- Ease of assembly and disassembly of STNM connectors permits make-up of harnesses in advance for fast, simple connections during production line assemblies.
- Available in straight and 90° styles from 3/8" thru 2". Insulated throats are standard on all connectors. Connectors are furnished with locknut and neoprene "O" ring for a liquidtight seal to JIC boxes.

Standard Material/Finish

- Body: steel
- Compression nut: steel
- Sleeve: steel
- Ferrule: nylon
- Wire mesh: stainless steel
- "O" ring: neoprene


Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18
- CSA Certified: 065178

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | Weight per 100 kg (lb) | Catalog Number |
|---|---------------------|------------------------------------|-------------|-------------|-------------|--------------|------------------------|-------------------|
| | | A | B | C | D | E | | |
| Straight | | | | | | | | |
|  | 3/8 | 54.9 (2.16) | 15.0 (0.59) | 29.5 (1.16) | - | - | 10.21 (22.50) | STNM-38 |
| | 1/2 | 65.8 (2.59) | 15.0 (0.59) | 33.3 (1.31) | - | - | 14.65 (32.30) | STNM-50 |
| | 3/4 | 65.8 (2.59) | 15.0 (0.59) | 41.4 (1.63) | - | - | 20.09 (44.30) | STNM-75 |
| | 1 | 73.2 (2.88) | 18.3 (0.72) | 49.3 (1.94) | - | - | 29.03 (64.00) | STNM-100 |
| | 1-1/4 | 86.6 (3.41) | 19.1 (0.75) | 61.2 (2.41) | - | - | 53.98 (119.00) | STNM-125 |
| | 1-1/2 | 87.4 (3.44) | 19.1 (0.75) | 70.6 (2.78) | - | - | 23.04 (50.80) | STNM-150 |
| | 2 | 100.8 (3.97) | 19.1 (0.75) | 85.9 (3.38) | - | - | 107.50 (237.00) | STNM-200 |
| 90° | | | | | | | | |
|  | 3/8 | - | 15.0 (0.59) | 29.5 (1.16) | 31.8 (1.25) | 51.6 (2.03) | 13.52 (29.80) | STNM-9038 |
| | 1/2 | - | 15.0 (0.59) | 33.3 (1.31) | 32.5 (1.28) | 60.5 (2.38) | 17.24 (38.00) | STNM-9050 |
| | 3/4 | - | 15.0 (0.59) | 41.4 (1.63) | 36.6 (1.44) | 63.5 (2.50) | 24.72 (54.50) | STNM-9075 |
| | 1 | - | 18.3 (0.72) | 49.3 (1.94) | 44.5 (1.75) | 69.9 (2.75) | 36.74 (81.00) | STNM-90100 |
| | 1-1/4 | - | 19.1 (0.75) | 61.2 (2.41) | 50.0 (1.97) | 88.1 (3.47) | 69.40 (153.00) | STNM-90125 |
| | 1-1/2 | - | 19.1 (0.75) | 70.6 (2.78) | 57.2 (2.25) | 91.2 (3.59) | 91.31 (201.30) | STNM-90150 |
| | 2 | - | 19.1 (0.75) | 85.9 (3.38) | 64.3 (2.53) | 112.0 (4.41) | 141.52 (312.00) | STNM-90200 |

Wire Mesh Strain Relief

The STNM-SR Series with cap can be substituted for any related trade size STNM Series cap to convert it to a connector with a wire mesh strain relief.

| | | | | | | | | |
|---|-------|---|---|---|---|---|---------------|-------------------|
|  | 3/8 | - | - | - | - | - | 2.45 (5.40) | STNM-SR38 |
| | 1/2 | - | - | - | - | - | 5.31 (11.70) | STNM-SR50 |
| | 3/4 | - | - | - | - | - | 7.30 (16.10) | STNM-SR75 |
| | 1 | - | - | - | - | - | 8.48 (18.70) | STNM-SR100 |
| | 1-1/4 | - | - | - | - | - | 9.71 (21.40) | STNM-SR125 |
| | 1-1/2 | - | - | - | - | - | 12.11 (26.70) | STNM-SR150 |
| | 2 | - | - | - | - | - | 14.56 (32.10) | STNM-SR200 |

NEER Zinc LMM Straight Liquidtight Connectors

For Liquidtight Flexible Metal Conduit and Type B Nonmetallic Conduit.

NEC/CEC:

Suitable for use in Class I, Division 2

Applications

- Terminate and seal liquidtight flexible metal conduit to either oiltight, liquidtight, or raintight box or enclosure.
- Connectors can be used with tapered thread female entry or unthreaded knockout.

Features

- Furnished with locknut and sealing ring.
- Liquidtight/raintight/oiltight.
- Suitable for grounding 3/8" thru 1-1/4".
- Suitable for wet locations.

Standard Material

- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
 - LMM-01 through LMM-61 and LMM-02 through LMM-62
- CSA Certified: LR14489
 - LMM-71 through LMM-91 and LMM-72 through LMM-92
- CSA Certified: LR39354
- NEMA: FB-1



LMM-01

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------|--------------|-------------------|------------------------------------|
| | Body Length | Thread Length | Diameter | | |
| 3/8 (1/2 knockout) | 37.8 (1.49) | 13.5 (0.53) | 32.5 (1.28) | LMM-01 | LMM-02 |
| 1/2 | 37.8 (1.49) | 13.5 (0.53) | 32.5 (1.28) | LMM-11 | LMM-12 |
| 3/4 | 38.9 (1.53) | 13.5 (0.53) | 39.6 (1.56) | LMM-21 | LMM-22 |
| 1 | 49.5 (1.95) | 16.8 (0.66) | 46.0 (1.81) | LMM-31 | LMM-32 |
| 1-1/4 | 52.3 (2.06) | 17.0 (0.67) | 57.2 (2.25) | LMM-41 | LMM-42 |
| 1-1/2 | 52.3 (2.06) | 17.0 (0.67) | 63.5 (2.50) | LMM-51 | LMM-52 |
| 2 | 51.8 (2.04) | 17.0 (0.67) | 76.2 (3.00) | LMM-61 | LMM-62 |
| 2-1/2 | 89.9 (3.54) | 25.9 (1.02) | 93.5 (3.68) | LMM-71 | LMM-72 |
| 3 | 102.9 (4.05) | 27.2 (1.07) | 111.3 (4.38) | LMM-81 | LMM-82 |
| 3-1/2 | 112.8 (4.44) | 27.7 (1.09) | 126.5 (4.98) | LMM-85 | LMM-86 |
| 4 | 126.7 (4.99) | 29.2 (1.15) | 140.7 (5.54) | LMM-91 | LMM-92 |

NEER Zinc LML 90° Liquidtight Connectors

For Liquidtight Flexible Metal Conduit and Type B Nonmetallic Conduit.

NEC/CEC:
Suitable for use in Class I, Division 2

Applications

- Terminate and seal liquidtight flexible metal conduit, at 90° angle, to either oiltight, liquidtight, or raintight box or enclosure.
- Connectors can be used with tapered thread female entry or unthreaded knockout.

Features

- Furnished with locknut and sealing ring.
- Liquidtight/raintight/oiltight.
- Suitable for grounding 3/8" thru 1-1/4".
- Suitable for wet locations.

Standard Material

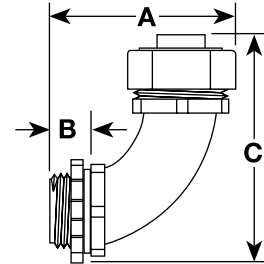
- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



LML-01



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|-------------|---------------|-------------------|------------------------------------|
| | A | B | C | | |
| 3/8 (1/2 knockout) | 54.6 (2.15) | 13.5 (0.53) | 61.0 (2.40) | LMM-01 | LML-01 |
| 1/2 | 54.6 (2.15) | 13.5 (0.53) | 62.2 (2.45) | LMM-11 | LML-11 |
| 3/4 | 61.5 (2.42) | 13.5 (0.53) | 67.1 (2.64) | LMM-21 | LML-21 |
| 1 | 73.7 (2.90) | 16.8 (0.66) | 84.8 (3.34) | LMM-31 | LML-31 |
| 1-1/4 | 86.4 (3.40) | 17.0 (0.67) | 95.5 (3.76) | LMM-41 | LML-41 |
| 1-1/2 | 86.4 (3.40) | 17.0 (0.67) | 107.2 (4.22) | LMM-51 | LML-51 |
| 2 | 109.2 (4.30) | 17.0 (0.67) | 121.4 (4.78) | LMM-61 | LML-61 |
| 2-1/2 | 146.1 (5.75) | 26.2 (1.03) | 177.8 (7.00) | LMM-71 | LML-71 |
| 3 | 152.4 (6.00) | 25.1 (0.99) | 184.2 (7.25) | LMM-81 | LML-81 |
| 3-1/2 | 200.2 (7.88) | 30.0 (1.18) | 228.6 (9.00) | LMM-85 | LML-85 |
| 4 | 222.3 (8.75) | 29.7 (1.17) | 254.0 (10.00) | LMM-91 | LML-91 |

NEER Nylon NMM Straight and 90° and Liquidtight Connectors

For Type B Nonmetallic Conduit.

Applications

- Terminate and seal liquidtight flexible Type B nonmetallic conduit, to either oiltight, liquidtight, or raintight box or enclosure.
- Connectors can be used with tapered thread female entry or unthreaded knockout.

Features

- All nylon construction resists salt water, weak acids, gasoline, alcohol, oil, grease and common solvents.
- No disassembly required; push the conduit or tubing onto the ferrule, then tighten the domed sealing nut.
- Connectors are reusable.
- Furnished with locknut and sealing ring.
- Suitable for wet locations.
- Liquidtight/raintight/oiltight.

Standard Material

- Nylon: gray

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1

Applications

- Terminate and seal liquidtight flexible Type B nonmetallic conduit at a 90° angle, to either oiltight, liquidtight or raintight box or enclosure.
- Connectors can be used with tapered thread female entry or unthreaded knockout.

Features

- Furnished with locknut and sealing ring.
- Suitable for wet locations.
- Liquidtight/raintight/oiltight.

Standard Material

- Nylon: gray

Certifications and Compliances

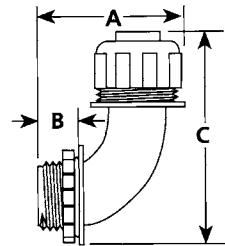
- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1



NMM-01



NML-01



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|------------------|-------------|-------------------|
| | Body Length | Thread Length | Diameter | |
| 3/8 (1/2 knockout) | 54.4 (2.14) | 15.7 (0.62) | 36.1 (1.42) | NMM-01 |
| 1/2 | 54.1 (2.13) | 16.0 (0.63) | 36.1 (1.42) | NMM-11 |
| 3/4 | 57.2 (2.25) | 16.0 (0.63) | 42.2 (1.66) | NMM-21 |
| 1 | 64.0 (2.52) | 19.8 (0.78) | 49.0 (1.93) | NMM-31 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 3/8 (1/2 knockout) | 50.8 (2.00) | 12.7 (0.50) | 77.7 (3.06) | NML-01 |
| 1/2 | 52.6 (2.07) | 13.0 (0.51) | 81.0 (3.19) | NML-11 |
| 3/4 | 57.9 (2.28) | 13.0 (0.51) | 86.4 (3.40) | NML-21 |
| 1 | 73.7 (2.90) | 19.6 (0.77) | 86.4 (3.40) | NML-31 |

NEER Flexible Cord Connectors

SRA: Strain Relief Cord Connectors

Application

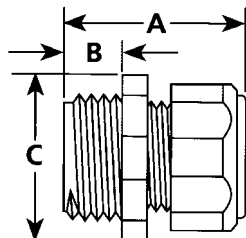
- To seal, provide strain relief and to terminate portable or flexible cords to threaded hubs of a watertight or liquidtight location box or enclosure. Types S, SO, ST, STO, SJ, SJT, SJTO and SVO.

Standard Material/Finish

- Steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1



| Cord Range Millimeters (Inches) | | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------------------------|----------------|---------------------------|---------------------------------------|----------------|----------------|-------------------|
| Min. | Max. | | A | B | C | |
| 6.4 (0.25) | 8.9 (0.35) | 1/2 | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | SRA-350 |
| 8.9 (0.35) | 11.4 (0.45) | 1/2 | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | SRA-450 |
| 11.4 (0.45) | 14.2 (0.56) | 1/2 | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | SRA-560 |
| 6.4 (0.25) | 8.9 (0.35) | 3/4 | 35.3 (1.39) | 13.7 (0.54) | 26.4 (1.04) | SRB-350 |
| 8.9 (0.35) | 11.4 (0.45) | 3/4 | 34.5 (1.36) | 13.7 (0.54) | 26.4 (1.04) | SRB-450 |
| 11.4 (0.45) | 14.2 (0.56) | 3/4 | 34.3 (1.35) | 13.7 (0.54) | 26.4 (1.04) | SRB-560 |
| 14.0 (0.55) | 16.5 (0.65) | 3/4 | 34.5 (1.36) | 13.7 (0.54) | 26.4 (1.04) | SRB-650 |
| 16.5 (0.65) | 19.1 (0.75) | 1 | 45.0 (1.77) | 17.8 (0.70) | 32.5 (1.28) | SRC-750 |
| 19.1 (0.75) | 21.6 (0.85) | 1 | 44.2 (1.74) | 17.8 (0.70) | 31.8 (1.25) | SRC-850 |
| 21.6 (0.85) | 24.1 (0.95) | 1 | 46.5 (1.83) | 17.8 (0.70) | 39.6 (1.56) | SRC-950 |
| 24.1 (0.95) | 26.7 (1.05) | 1 | 47.0 (1.85) | 17.8 (0.70) | 41.4 (1.63) | SRC-1050 |

NCG: Nonmetallic Strain Relief Cord Connectors

Application

- To seal, provide strain relief and to terminate flexible or portable cords to slip holes, knockout holes or threaded hubs of a watertight or liquidtight location box or enclosure. Recommend using the smallest maximum diameter fitting that will fit your application.

Features

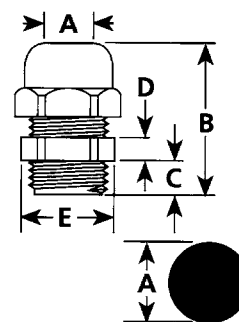
- Acme threads on nut end of body to prevent skipping and speed installation.
- All nylon construction with the Buna-N gland resists salt water, weak acids, gasoline, alcohol, oil, grease and common solvents.

Standard Material

- Nylon: gray

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- CSA Standard: C22.2 No. 18
- NEMA: FB-1



NCG

| Trade Size (Inches) | Cord Range Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|---------------------------|---------------------------------------|----------------|---------------------------------------|----------------|----------------|---------------|----------------|-------------------|
| | Min. | Max. | A | B | C | D | E | |
| 3/8 (1/2 knockout) | 1.8 (0.07) | 4.7 (0.19) | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | 5.1 (0.20) | 19.1 (0.75) | NCG-01 |
| 3/8 (1/2 knockout) | 4.6 (0.18) | 7.9 (0.31) | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | 5.1 (0.20) | 19.1 (0.75) | NCG-02 |
| 1/2 | 4.3 (0.17) | 11.9 (0.47) | 34.0 (1.34) | 12.2 (0.48) | 26.4 (1.04) | 5.1 (0.20) | 24.1 (0.95) | NCG-11 |
| 3/4 | 11.4 (0.45) | 18.0 (0.71) | 35.3 (1.39) | 13.7 (0.54) | 26.4 (1.04) | 5.8 (0.23) | 33.0 (1.30) | NCG-21 |
| 1 | 15.0 (0.59) | 25.4 (1.00) | 34.5 (1.36) | 13.7 (0.54) | 26.4 (1.04) | 7.1 (0.28) | 42.2 (1.66) | NCG-32 |

Speedlock® Steel Box Connectors

Type AMC

Applications

- To ground and secure MC, AC and flexible metal conduit to boxes and enclosures.
- For steel box installations.

Features



- No locknut required.
- Single-unit or duplex construction with captive clamp.
- Connects over 100 sizes of MC, AC or flexible metal conduit with just four fittings.
- Easy to install. Just tilt, insert and snap down.
- Single-unit construction eliminates loose component parts.
- Integral red plastic insulated throat busing provides maximum protection for wire insulation.

Standard Material/Finish

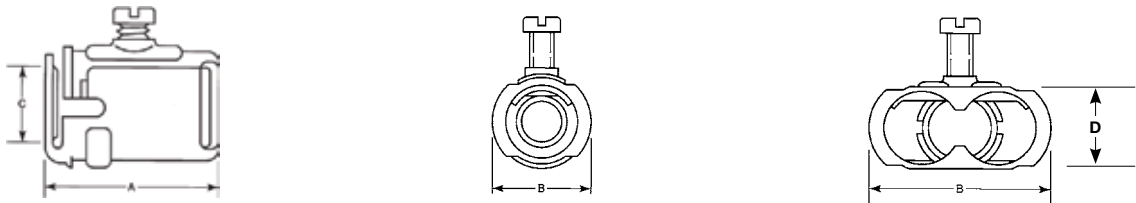
- Steel/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 028507

| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Weight per 100 kg (lb) | Catalog Number |
|---|-------------------------------|------------------------------------|-------------|-------------|-------------|------------------------|-----------------|
| | | A | B | C | D | | |
|  | 1/2 Single | 35.1 (1.38) | 25.4 (1.00) | 10.4 (0.41) | 17.5 (0.69) | 2.95 (6.50) | AMC-50 |
| AMC-50 | 3/4 Single | 41.4 (1.63) | 33.3 (1.31) | 14.2 (0.56) | 24.9 (0.98) | 3.40 (7.50) | AMC-75 |
|  | 1/2 Knockout; 3/4 capacity | 41.4 (1.63) | 33.3 (1.31) | 14.2 (0.56) | 24.9 (0.98) | 3.40 (7.50) | AMC-5075 |
| AMC-52 | 1/2 Duplex | 39.6 (1.56) | 43.7 (1.72) | 14.2 (0.56) | 17.5 (0.69) | 5.44 (12.00) | AMC-52 |

Dimensions



Speedlock® Steel Box Connectors

Type AMC

| Cable Type | AMC-50 1/2" Knockout | AMC-5075 1/2" Knockout 3/4" Capacity | AMC-75 3/4" Knockout | AMC-52 ② 1/2" Knockout Duplex |
|-------------------------------------|--|---|---|--|
| AC Steel | 14/2 (0.433 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3 | 10/4 (0.594 Dia.), 10/5, 8/3, 8/4, 6/3 | 10/4 (0.594 Dia.), 10/5, 8/3, 8/4, 6/3 | 14/2 (0.433 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4 |
| HFC Steel Health Care Facilities | 14/2 (0.433 Dia.), 14/3, 12/2, 12/3, 10/2 | - | - | 14/2 (0.433 Dia.), 14/3, 12/2, 12/3, 10/2 |
| AC Aluminum Interlocked | 14/2 (0.433 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4 | 10/4 (0.594 Dia.), 8/3, 8/4 | 10/4 (0.594 Dia.), 8/3, 8/4 | 14/2 (0.433 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4 |
| MC Steel Interlocked | 14/2 ① (0.450 Dia.), 14/3 ①, 14/4, 12/2 ①, 12/3 ①, 12/4 ①, 10/2 ① (0.570 Dia.) | 10/3 (0.600 Dia.), 10/4 ①, 8/2 ①, 8/3 ①, 6/2 ① (0.790 Dia.) | 10/3 (0.600 Dia.), 10/4 ①, 8/2 ①, 8/3 ①, 6/2 ① (0.790 Dia.) | 14/2 (0.450 Dia.), 14/3, 14/4, 12/2, 12/3 (0.530 Dia.) |
| MC Aluminum Interlocked | 14/2 (0.470 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2 (0.570 Dia.) | 10/3 (0.600 Dia.), 10/4, 8/2 (0.705 Dia.) | 10/3 (0.600 Dia.), 10/4, 8/2 (0.705 Dia.) | 14/2 (0.470 Dia.), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2 (0.570 Dia.) |
| MC Aluminum Corrugated | 14/3 (0.460 Dia.), 14/4, 12/2 ①, 12/3 ①, 12/4 ①, 10/2, 10/3 (0.600 Dia.) | - | - | - |
| MC Aluminum Flat | 12/3 (0.490x0.280) | - | - | - |
| Flex RW | 3/8 Steel and Al. | 1/2 Steel | 1/2 Steel | - |
| MCI-A Aluminum | 14/2 (0.406 Dia.), 14/3, 12/2, 12/3, 12/4, 10/2, 10/3 (0.512 Dia.) | - | - | - |
| MCI-A HCF Aluminum | 12/2, 12/3, 12/4 10/2 (0.512 Dia.) | - | - | - |

① Concretetight when taped and used with PVC jacketed cord.

② Accepts 2 cables of each size listed.

Speedlock® Zinc Double Snap Connectors

Applications

- To ground and secure MC, MCAP, MCI-A, AC and flexible metal conduit to boxes and enclosures in dry locations.
- For 1/2" knockout installations.

Features

- Patented design installs in seconds without the use of tools or locknut.
- Significantly reduces labor.
- Single, duplex or 90 degree construction.
- Design eliminates loose component parts.
- Superior pullout protection.
- Easily removable for reuse.
- Integral red plastic insulated throat 105 °C (221 °F) rated provides maximum protection for wire insulation.
- Concrete tight when tapped.



38SLC



38SLC0W



3838SLC



3890SLC and 5090SLC

Standard Material/Finish

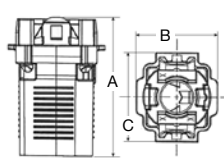
- Body – Zinc die cast
- Cover – Steel/Zinc electroplated
- Insulator – Non-Metallic

NEC/CEC Certifications and Compliances

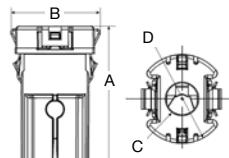
- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18
- cULus Listed: E11852

| Trade Size (Inches) | OB/SB KO Size (Inches) | Connector Type | Cable Type | | | Cable Size | Cable Diameter | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------|-------------------|------------|-----------------|-------------|----------------------|--------------------------------------|------------------------|----------------|
| | | | AC/MC | Aluminium MCI-A | Steel MCI-A | | | | |
| 3/8 | 1/2 | Straight | X | X | X | 3/8" 14/2 to 10/3 | 10.03 - 16.21 mm (0.395 - 0.638") | 2.72 (6) | 38SLC |
| 3/8 | 1/2 | Straight | X | X | X | 3/8" 14/2 to 10/3 | 10.03 - 16.21 mm (0.395 - 0.638") | 2.72 (6) | 38SLCBULK |
| 3/8 | 1/2 | Cut-In (Old Work) | X | X | X | 3/8" 14/2 to 10/3 | 10.03 - 16.21 mm (0.395 - 0.638") | 2.72 (6) | 38SLC0W |
| 3/8 | 1/2 | Duplex | X | X | — | 3/8" 14/2 to 10/3 | 11.68 - 15.49 mm (0.460 - 0.610") | 4.99 (11) | 3838SLC |
| 3/8 | 1/2 | Duplex | X | X | — | 3/8" 14/2 to 10/3 | 11.68 - 15.49 mm (0.460 - 0.610") | 4.99 (11) | 3838SLCBULK |
| 3/8 | 1/2 | 90° | X | — | — | 3/8" 14/2 to 10/3 | 11.68 - 15.49 mm (0.460 - 0.610") | 3.40 (7.5) | 3890SLC |
| 1/2 | 1/2 | 90° | X | — | — | 1/2" 8/2 to 8/3 | 17.02 - 19.94 mm (0.670 - 0.785") | 4.99 (11) | 5090SLC |

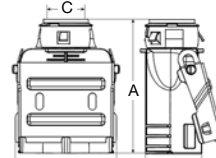
Dimensions in Millimeters (Inches)



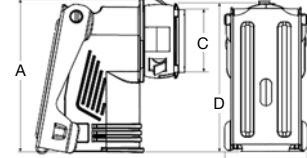
38SLC



38SLC0W



3838SLC



3890SLC and 5090SLC

| Catalog Number | A | B | C | D |
|----------------|--------------|--------------|--------------|-------------|
| 38SLC | 23.75 (0.94) | 20.82 (0.82) | 37.32 (1.47) | — |
| 38SLC0W | 39.0 (1.54) | 24.9 (0.98) | 9.35 (0.37) | 28.0 (1.10) |
| 3838SLC | 53.3 (2.10) | 40.1 (1.58) | 15.0 (0.59) | 22.3 (0.88) |
| 3890SLC | 49.0 (1.93) | 31.4 (1.24) | 15.0 (0.59) | 52.2 (2.06) |
| 5090SLC | 39.0 (1.54) | 24.9 (0.98) | 9.35 (0.37) | 28.0 (1.10) |

NEER Zinc GX Screw-In Couplings

For Flexible Metal Conduit to Flexible Metal Conduit

Application

- Screw-in type connectors used to join lengths of flexible metal conduit.

Standard Material

- Zinc diecast

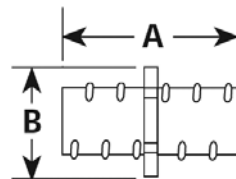
Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



GX-50

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|-------------|----------------|
| | A | B | |
| 1/2 | 45.5 (1.79) | 24.6 (0.97) | GX-50 |
| 3/4 | 53.3 (2.10) | 30.7 (1.21) | GX-51 |
| 1 | 61.2 (2.41) | 37.3 (1.47) | GX-52 |
| 1-1/4 | 70.1 (2.76) | 48.0 (1.89) | GX-53 |
| 1-1/2 | 78.0 (3.07) | 57.9 (2.28) | GX-150 |
| 2 | 83.3 (3.28) | 72.1 (2.84) | GX-200 |



Nonmetallic Sheathed and Service Entrance Cable Connectors

Nonmetallic Sheathed Cable ^① Connector With Cam Lock

Applications

- To ground and secure nonmetallic sheathed cable to boxes and enclosures.

Features

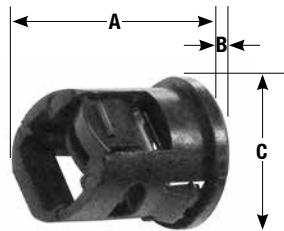
- Positive-stop locking action.
- Used with 14-2, 12-2 and 10-2 (with or without ground).

Standard Material

- Thermoplastic

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E23237
- NEMA: FB-1



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------------------|------------|-------------|------------------------|-------------------------|
| | A | B | C | | |
| 1/2 | 27.7 (1.09) | 3.3 (0.13) | 25.4 (1.00) | 0.59 (1.30) | A-1 ^② |

Nonmetallic Sheathed Cable and Service Entrance Cable ^① Connectors

Applications

- To ground and secure nonmetallic sheathed and service entrance cable to boxes and enclosures.

Features

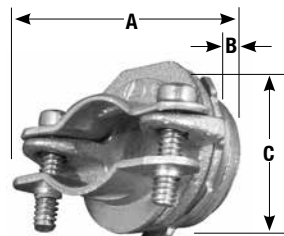
- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

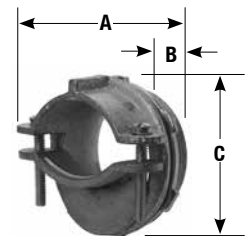
- Malleable iron

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E23237
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



15233



15237

| Trade Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|---------------------|---------------------------------------|-------------|------------------------------------|-------------|-------------|------------------------|----------------|
| | Max. | Min. | A | B | C | | |
| 3/4 | 18.8 (0.74) | 11.2 (0.44) | 16.8 (0.66) | 11.2 (0.44) | 46.0 (1.81) | 6.53 (14.40) | 15233 |
| 1 | 24.6 (0.97) | 12.7 (0.50) | 16.8 (0.66) | 14.2 (0.56) | 51.6 (2.03) | 9.53 (21.00) | 15234 |
| 1-1/4 | 33.3 (1.31) | 20.6 (0.81) | 16.8 (0.66) | 14.2 (0.56) | 60.5 (2.38) | 13.65 (30.10) | 15235 |
| 1-1/2 | 40.4 (1.59) | 20.6 (0.81) | 20.6 (0.81) | 19.1 (0.75) | 66.8 (2.63) | 24.04 (53.00) | 15236 |
| 2 | 50.8 (2.00) | 25.4 (1.00) | 23.9 (0.94) | 19.1 (0.75) | 82.6 (3.25) | 36.29 (80.00) | 15237 |

^① Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

^② Not CSA certified

Nonmetallic Sheathed and Service Entrance Cable Connectors ^①

Applications

- To ground and secure nonmetallic sheathed and service entrance cable to boxes and enclosures.

Features

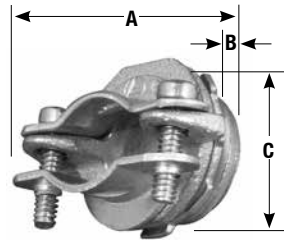
- Furnished with locknut.
- Male hub threads — NPS.

Standard Material

- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E23237
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|------------|------------------------------------|-------------|-------------|------------------------|-----------------|
| | Max. | Min. | A | B | C | | |
| 3/4 | 20.6 (0.81) | 6.4 (0.25) | 9.7 (0.38) | 14.2 (0.56) | 42.9 (1.69) | 5.13 (11.30) | 15233-DC |
| 1 | 26.2 (1.03) | 9.7 (0.38) | 14.2 (0.56) | 12.7 (0.50) | 49.3 (1.94) | 7.94 (17.50) | 15234-DC |
| 1-1/4 | 26.2 (1.03) | 9.7 (0.38) | 16.0 (0.63) | 16.0 (0.63) | 55.6 (2.19) | 10.43 (23.00) | 15235-DC |

^① Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

Armored Cable and Flexible Metal Conduit Connectors

Combination Coupling 3/8" Flexible Metal Conduit to 1/2" EMT

Applications

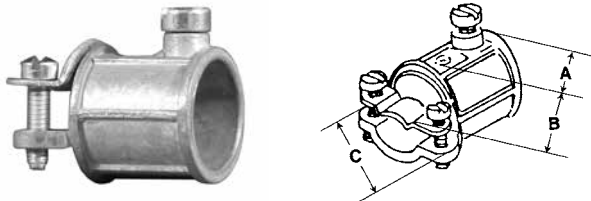
- To couple 3/8" flexible metal conduit to 1/2" EMT conduit.

Features

- Furnished with locknut.

Standard Material

- Zinc diecast



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|---------------|------------------------------------|----------------|----------------|------------------------|----------------|
| | Max. | Min. | A | B | C | | |
| 3/8 | 16.0 (0.63) | 5.6 (0.22) | 22.4 (0.88) | 10.4 (0.41) | 31.8 (1.25) | 3.40 (7.50) | TW38-50DC ② |

Armored Ground Wire and Nonmetallic Sheathed Cable ① Connector

Applications

- To ground and secure armored ground wire and nonmetallic sheathed cable to boxes and enclosures.

Features

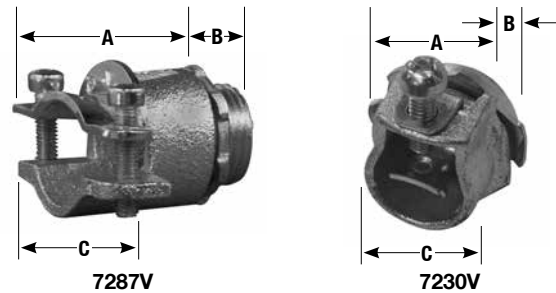
- Furnished with locknut.
- Male hub threads — NPS.

Standard Material

- Malleable iron/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11852, E14813
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Bushed Hole Diameter | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|----------------|----------------------|------------------------------------|----------------|----------------|------------------------|----------------|
| | Max. | Min. | | A | B | C | | |
| 1/2 | 23.9 (0.94) | 10.4 (0.41) | 14.9 (0.59) | 27.7 (1.09) | 10.4 (0.41) | 47.8 (1.88) | 7.71 (17.00) | 7287V |
| 1/2 (3/4" knockout) | 23.9 (0.94) | 14.9 (0.59) | 19.8 (0.78) | 27.7 (1.09) | 11.2 (0.44) | 47.8 (1.88) | 8.62 (19.00) | 7288V |
| 3/8 (1/2" knockout) | 16.0 (0.63) | 8.6 (0.34) | - | 16.0 (0.63) | 11.2 (0.44) | 25.4 (1.00) | 3.18 (7.00) | 7230V |

① Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

② UL Listed and CSA Certification not applicable.

Armored Cable and Flexible Metal Conduit Connectors

Armored Cable ^① and Flexible Metal Conduit Duplex Connector

Applications

- To ground and secure two armored cables to boxes and enclosures.

Features

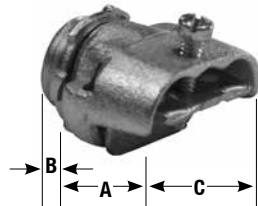
- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

- Malleable iron/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14813, E11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Bushed Hole Diameter | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|------------|----------------------|------------------------------------|-------------|-------------|------------------------|----------------|
| | Max. | Min. | | A | B | C | | |
| 3/8 (1/2" knockout) | 16.0 (0.63) | 8.6 (0.34) | 10.4 (0.41) | 24.6 (0.97) | 11.9 (0.47) | 44.5 (1.75) | 9.53 (21.00) | 7240V |

Armored Cable ^① and Flexible Metal Conduit - 45° Connectors

Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

Features

- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

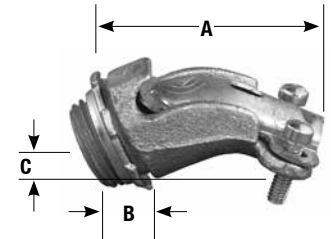
- Malleable iron/steel/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14813, E11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



7247V



7245V, 7246V

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Bushed Hole Diameter | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|-------------|----------------------|------------------------------------|-------------|-------------|------------------------|---------------------------|
| | Max. | Min. | | A | B | C | | |
| 3/8 (1/2" knockout) | 16.0 (0.63) | 9.7 (0.38) | 13.5 (0.53) | 41.4 (1.63) | 11.2 (0.44) | 25.4 (1.00) | 7.26 (16.00) | 7245V |
| 1/2 | 23.9 (0.94) | 20.6 (0.81) | 13.5 (0.53) | 42.9 (1.69) | 11.2 (0.44) | 31.8 (1.25) | 10.21 (22.50) | 7246V ^② |
| 3/4 | 28.4 (1.12) | 24.1 (0.95) | 20.6 (0.81) | 44.5 (1.75) | 11.2 (0.44) | 38.1 (1.50) | 12.70 (28.00) | 7247V ^② |

^① Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

^② UL Listed and CSA Certification not applicable.

Armored Cable and Flexible Metal Conduit Connectors

Armored Cable ^① and Flexible Metal Conduit - 90° Connectors

Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

Standard Material/Finish

- Malleable iron/steel/zinc electroplated

Certifications and Compliances

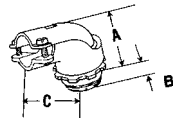
- UL Standard: ANSI/UL 514B
- UL Listed: E14813, E11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



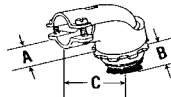
7381V, 7382V



7381VI, 7382VI



7380V



7381VI

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|-------------|------------------------------------|-------------|-------------|------------------------|----------------|---------------------------------|
| | Max. | Min. | A | B | C | | | |
| 3/8 (1/2" knockout) | 16.0 (0.63) | 7.9 (0.31) | 19.1 (0.75) | 11.2 (0.44) | 31.8 (1.25) | 6.62 (14.60) | 7380V | 7380VI |
| 1/2 | 23.9 (0.94) | 14.9 (0.59) | 38.1 (1.50) | 11.2 (0.44) | 50.8 (2.00) | 10.25 (22.60) | 7381V | 7381VI |
| 3/4 | 28.4 (1.12) | 20.6 (0.81) | 42.9 (1.69) | 11.2 (0.44) | 50.8 (2.00) | 14.97 (33.00) | 7382V | 7382VI |

Armored Cable ^① and Flexible Metal Conduit Straight Connectors

Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

Features

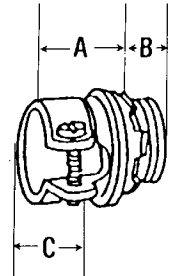
- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available

Standard Material/Finish

- Malleable iron/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11852, E14813
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|--------------|------------------------------------|--------------|--------------|------------------------|----------------|---------------------------------|
| | Max. | Min. | A | B | C | | | |
| 3/8 (1/2" knockout) | 16.0 (0.63) | 11.9 (0.47) | 13.5 (0.53) | 11.2 (0.44) | 29.5 (1.16) | 3.18 (7.00) | 7265V | - |
| 1/2 | 19.84 (0.78) | 23.81 (0.94) | 23.81 (0.94) | 12.70 (0.50) | 39.69 (1.56) | 5.90 (13.00) | 7481V | 7481VI |
| 3/4 | 23.02 (0.90) | 27.38 (1.08) | 28.58 (1.13) | 12.70 (0.50) | 44.45 (1.75) | 9.98 (22.00) | 7482V | 7482VI |

^① Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

Armored Cable and Flexible Metal Conduit Connectors

Flexible Metal Conduit - 90° Connectors

Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

Standard Material/Finish

- Malleable iron/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



7383



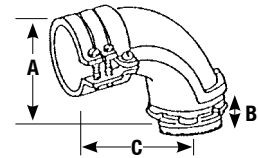
7383I



7385I



7385



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|-------------|------------------------------------|-------------|--------------|------------------------|----------------|---------------------------------|
| | Max. | Min. | A | B | C | | | |
| 1 | 35.1 (1.38) | 30.2 (1.19) | 58.7 (2.31) | 12.7 (0.50) | 54.1 (2.13) | 25.40 (56.00) | 7383 | 7383I |
| 1-1/4 | 45.2 (1.78) | 37.3 (1.47) | 71.4 (2.81) | 14.2 (0.56) | 69.9 (2.75) | 53.52 (118.00) | 7384 | 7384I |
| 1-1/2 | 50.8 (2.00) | 43.7 (1.72) | 75.4 (2.97) | 14.2 (0.56) | 88.9 (3.50) | 79.83 (176.00) | 7385 | 7385I |
| 2 | 61.9 (2.44) | 50.8 (2.00) | 104.9 (4.13) | 19.1 (0.75) | 120.7 (4.75) | 131.54 (290.00) | 7386 | 7386I |
| 2-1/2 | 76.2 (3.00) | 67.6 (2.66) | 124.0 (4.88) | 26.9 (1.06) | 149.4 (5.88) | 204.12 (450.00) | 7387 | 7387I |
| 3 | 88.9 (3.50) | 80.3 (3.16) | 139.7 (5.50) | 26.9 (1.06) | 168.4 (6.63) | 277.60 (612.00) | 7388 | 7388I |

Armored Cable and Flexible Metal Conduit Connectors

Flexible Metal Conduit Connectors

One Screw and Two Screw

Applications

- To ground and secure flexible metal conduit or armored cable to boxes and enclosures.

Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

Standard Material/Finish

- Malleable iron/zinc electroplated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11852, E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1



7483



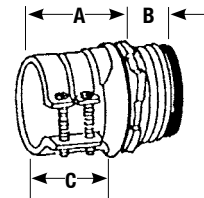
7483I



7485



7485I



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) | | Dimensions in Millimeters (Inches) | | | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|---------------|------------------------------------|--------------|---------------|----------------|---------------------------------|
| | Max. | Min. | A | B | C | | |
| One Screw | | | | | | | |
| 1 | 36.51 (1.44) | 32.54 (1.28) | 30.16 (1.19) | 14.29 (0.56) | 55.56 (2.19) | 7483 | 7483I |
| 1-1/4 | 41.28 (1.63) | 36.51 (1.44) | 31.75 (1.25) | 15.88 (0.63) | 63.50 (2.50) | 7484 | 7484I |
| Two Screw | | | | | | | |
| 1 | 47.63 (1.88) | 41.28 (1.63) | 47.63 (1.88) | 17.46 (0.69) | 66.68 (2.63) | 7485 | 7485I |
| 1-1/4 | 60.33 (2.38) | 55.56 (2.19) | 50.80 (2.00) | 19.05 (0.75) | 84.14 (3.31) | 7486 | 7486I |
| 1 | 75.01 (2.95) | 68.66 (2.70) | 52.39 (2.06) | 23.81 (0.94) | 103.19 (4.06) | 7487 | 7487I |
| 1-1/4 | 88.9 (3.50) | 79.38 (3.13) | 57.15 (2.25) | 23.81 (0.94) | 117.48 (4.63) | 7488 | 7488I |
| 1 | 104.90 (4.13) | 95.30 (3.75) | 61.90 (2.44) | 25.40 (1.00) | 130.30 (5.13) | 7489 | 7489I |
| 1-1/4 | 118.60 (4.67) | 106.40 (4.19) | 68.30 (2.69) | 25.40 (1.00) | 144.50 (5.69) | 7490 | 7490I |

NEER Zinc Cable and Conduit Connectors

For Armored Cable, Flexible Metal Conduit and Metal Clad Cable

AC: 90° Two Screw Clamp

Application

- To make a 90° termination of conduit or cable to a knockout or unthreaded slip hole in a dry location box or enclosure.

Features

- Male hub threads — NPS.
- All center stopped.
- Furnished with locknut.
- Available with insulated throat.
- Combination head screws on AC(I)-90 thru AC(I)-96.

Standard Material/Finish

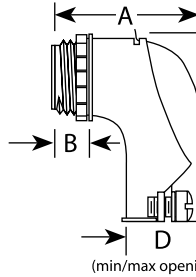
- Body: zinc diecast
- Cover: steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E25014
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



AC-90



Note:

- AC-90 through AC-400-D listed for use with regular and reduced wall steel and aluminum flexible metal conduit.
- AC-90 and ACI-90 listed for use with 14-2 AWG (nominal O.D. 11.7mm (0.46in) to 10-3 AWG (nominal O.D. 14.7mm (0.58in) steel armored cable (AC); 14-2 AWG (nominal O.D. 12.2mm (0.48in) to 10-3 AWG (nominal O.D. 15.2mm (0.60in) aluminum armored cable (AC); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.2mm (0.60in) steel interlocking metal-clad cable (MCI); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.5mm (0.61in) aluminum interlocking metal-clad cable (MCI); 10-2 AWG (nominal O.D. 11.4mm (0.45in) to 10-4 AWG (nominal O.D. 13.7mm (0.54in) aluminum interlocking metal-clad cable, grounding type (MCI-A).
- AC-95 and ACI-95 listed for use with 8-2 AWG (nominal O.D. 16.8mm (0.66in) to 8-3 AWG (nominal O.D. 19.3mm (0.76in) steel armored cable (AC); 8-2 AWG (nominal O.D. 17.8mm (0.70in) to 8-3 AWG (nominal O.D. 20.1mm (0.79in) aluminum armored cable (AC); 8-2 AWG (nominal O.D. 17.3mm (0.68in) to 8-3 AWG (nominal O.D. 19.3mm (0.76in) steel interlocking metal-clad cable (MCI); 8-2 AWG (nominal O.D. 17.3mm (0.68in) to 8-3 AWG (nominal O.D. 19.8mm (0.78in) aluminum interlocking metal-clad cable (MCI).

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|-------------|--------------|------------------------|-------------------|------------------------------------|
| | A | B | C | D | | |
| 3/8 (1/2 knockout) | 28.4 (1.12) | 12.2 (0.48) | 45.2 (1.78) | 0.78/19.8 (0.45/11.4) | AC-90 | ACI-90 |
| 1/2 | 38.4 (1.51) | 10.7 (0.42) | 53.8 (2.12) | 1.15/29.2 (0.70/17.8) | AC-95 | ACI-95 |
| 3/4 | 43.2 (1.70) | 11.2 (0.44) | 53.1 (2.09) | 1.40/35.6 (0.98/24.9) | AC-96 | ACI-96 |
| 1 | 59.2 (2.33) | 13.7 (0.54) | 72.9 (2.87) | 1.73/43.9 (1.09/27.7) | AC-97 | — |
| 1-1/4 | 69.9 (2.75) | 16.3 (0.64) | 101.6 (4.00) | 1.97/50.0 (1.34/34.0) | AC-98 | — |
| 1-1/2 | 95.3 (3.75) | 19.1 (0.75) | 152.4 (6.00) | 2.61/66.3 (1.65/41.9) | AC-985 | — |
| 2 | 101.6 (4.00) | 18.8 (0.74) | 152.4 (6.00) | 2.54/64.5 (1.54/39.1) | AC-99 | — |
| 2-1/2 | 155.4 (6.12) | 22.1 (0.87) | 182.6 (7.19) | 2.98/75.7 (2.45/62.2) | AC-250-D | — |
| 3 | 170.2 (6.70) | 26.2 (1.03) | 199.9 (7.87) | 3.45/87.6 (2.93/74.4) | AC-300-D | — |
| 3-1/2 | 190.5 (7.50) | 26.2 (1.03) | 238.8 (9.40) | 3.95/100.3 (3.28/83.3) | AC-350-D | — |
| 4 | 221.0 (8.70) | 26.2 (1.03) | 259.1 (10.2) | 4.42/112.3 (3.68/93.5) | AC-400-D | — |

NEER Zinc Cable and Conduit Connectors

For Armored Cable, Flexible Metal Conduit and Metal Clad Cable

DC-5500: Duplex, Single Screw, Clamp Type

Application

- To make a termination of flexible metal conduit to a knockout or unthreaded slip hole in a dry location box or enclosure.

Features

- Furnished with locknut.
- Male hub threads — NPS.
- Combination head screw.

Standard Material

- Zinc diecast

Certifications and Compliances

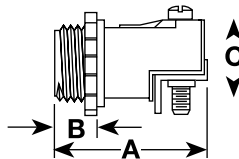
- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- DC-5500 listed for use with 9.7mm (0.38in) regular and reduced wall steel an aluminum flexible metal conduit.
- DC-5500 listed for use with 14-2 AWG (nominal O.D. 11.7mm (0.46in) to 10-3 AWG (nominal O.D. 12.7mm (0.50in) steel armored cable (AC); 14-2 AWG (nominal O.D. 12.2mm (0.48in) to 10-2 AWG (nominal O.D. 14.7mm (0.58in) aluminum armored cable (AC); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.2mm (0.60in) steel interlocking metal-clad cable (MCI); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.5mm (0.61in) aluminum interlocking metal-clad cable (MCI); 14-2 AWG (nominal O.D. 9.4mm (0.37in) to 10-3 AWG (nominal O.D. 12.7mm (0.50in) aluminum interlocking metal-clad cable, grounding type (MCI-A).



DC-5500



C-510: Two Screw Connectors

Application

- To terminate regular wall steel or aluminum flexible conduit to a 1/2" knockout in a dry box or enclosure.

Features

- End stopped.
- Male hub threads — NPS.
- Furnished with locknut.
- Combination head screw.

Standard Material

- Zinc diecast

Certifications and Compliances

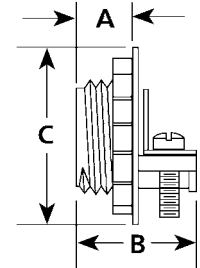
- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- C-510 listed for use with 9.7mm (0.38in) regular and reduced wall steel an aluminum flexible metal conduit.
- C-510 listed for use with 14-2 AWG (nominal O.D. 11.7mm (0.46in) to 10-2 AWG (nominal O.D. 15.2mm (0.60in) steel armored cable (AC); 14-2 AWG (nominal O.D. 12.2mm (0.48in) to 10-2 AWG (nominal O.D. 14.5mm (0.57in) aluminum armored cable (AC); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.2mm (0.60in) steel interlocking metal-clad cable (MCI); 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.5mm (0.61in) aluminum interlocking metal-clad cable (MCI); 14-2 AWG (nominal O.D. 9.4mm (0.37in) to 10-3 AWG (nominal O.D. 12.7mm (0.50in) aluminum interlocking metal-clad cable, grounding type (MCI-A).



C-510



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|---------------|-------------|----------------|
| | Body Length | Thread Length | Diameter | |
| 3/8 (1/2 knockout) | 38.1 (1.50) | 10.9 (0.43) | 21.6 (0.85) | DC-5500 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|---------------|-------------|----------------|
| | Body Length | Thread Length | Diameter | |
| 3/8 (1/2 knockout) | 22.1 (0.87) | 9.4 (0.37) | 23.1 (0.91) | C-510 |

NEER Zinc Cable and Conduit Connectors

For Flexible Metal Conduit

FC: Set Screw Type Connectors

Application

- To terminate 1/2" regular wall steel or aluminum flexible conduit to a 1/2" knockout in a dry location box or enclosure.

Feature

- Furnished with locknut.

Standard Material

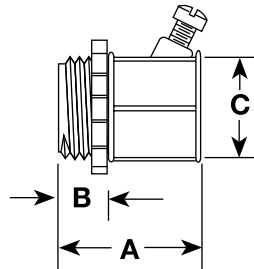
- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



FC-5501



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 1/2 | 38.1 (1.50) | 10.2 (0.40) | 30.2 (1.19) | FC-5501 |

GC: Screw-In Connectors

Application

- Screw-in type connectors for flexible metal conduit.

Feature

- Furnished with locknut.

Standard Material

- Zinc diecast

Certifications and Compliances

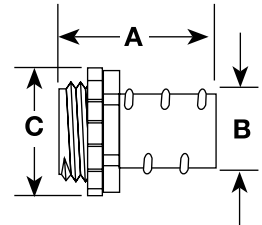
- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- GC-38 through GC-200 listed for use with regular and reduced wall steel and aluminum flexible metal conduit.



GC-38



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|---|---|-------------------|
| | A | B | C | |

Without Insulated Throat

| | | | | |
|-----------------------|-------------|-------------|-------------|--------|
| 3/8 (1/2 knockout) | 33.0 (1.30) | 9.7 (0.38) | 23.4 (0.92) | GC-38 |
| 1/2 | 34.8 (1.37) | 16.0 (0.63) | 23.4 (0.92) | GC-50 |
| 3/4 | 41.4 (1.63) | 21.1 (0.83) | 28.7 (1.13) | GC-75 |
| 1 | 49.3 (1.94) | 28.4 (1.12) | 43.4 (1.71) | GC-100 |
| 1-1/4 | 53.8 (2.12) | 35.8 (1.41) | 53.8 (2.12) | GC-125 |
| 1-1/2 | 58.7 (2.31) | 43.2 (1.70) | 60.2 (2.37) | GC-150 |
| 2 | 65.8 (2.59) | 55.4 (2.18) | 76.2 (3.00) | GC-200 |

Insulated Throat

| | | | | |
|-----------------------|-------------|-------------|-------------|--------|
| 3/8 (1/2 knockout) | 35.1 (1.38) | 9.7 (0.38) | 23.4 (0.92) | GCI-38 |
| 1/2 | 37.1 (1.46) | 16.0 (0.63) | 23.4 (0.92) | GCI-50 |
| 3/4 | 43.4 (1.71) | 21.1 (0.83) | 28.7 (1.13) | GCI-75 |

NEER Zinc Cable and Conduit Connectors

For Flexible Metal Conduit

SC: Straight Squeeze Type Connector

Application

- These squeeze type connectors are used to terminate flexible metal conduit to a 1/2" knockout in a dry location box or enclosure.

Features

- Male hub threads — NPS.
- 1/2" and 3/4" available with insulated throat.
- Furnished with locknut.
- Combination head screws on SC-38, SC(I)-50 and SC(I)-75.

Standard Material

- Zinc diecast

Certifications and Compliances

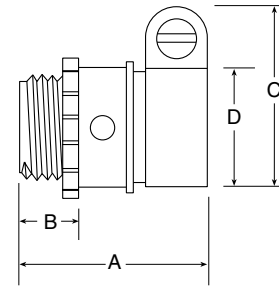
- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- SC-38, SC-50, SC-125, SC-150 and SC-200 listed for use with regular and reduced wall steel and aluminum flexible metal conduit.
- SC-75, SC-200, SC-300 and SC-350 listed for use with regular wall steel and aluminum flexible metal conduit.



SC-38



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|-------------|--------------|-----------------------|--------------|-------------------|------------------------------------|
| | A | B | C | Inside Diameter Range | | | |
| | | | | D (max) | D (min) | | |
| 3/8 (1/2 knockout) | 38.1 (1.50) | 12.2 (0.48) | 26.9 (1.06) | 16.5 (0.65) | 13.5 (0.53) | SC-38 | — |
| 1/2 | 38.1 (1.50) | 12.2 (0.48) | 34.3 (1.35) | 25.4 (1.00) | 22.4 (0.88) | SC-50 | SCI-50 |
| 3/4 | 40.9 (1.61) | 12.7 (0.50) | 39.9 (1.57) | 29.5 (1.16) | 23.9 (0.94) | SC-75 | SCI-75 |
| 1 | 44.5 (1.75) | 14.0 (0.55) | 50.0 (1.97) | 35.1 (1.38) | 31.8 (1.25) | SC-100 | — |
| 1-1/4 | 48.8 (1.92) | 15.5 (0.61) | 56.6 (2.23) | 41.4 (1.63) | 38.1 (1.50) | SC-125 | — |
| 1-1/2 | 53.1 (2.09) | 18.0 (0.71) | 64.0 (2.52) | 50.8 (2.00) | 44.5 (1.75) | SC-150 | — |
| 2 | 59.7 (2.35) | 18.5 (0.73) | 77.7 (3.06) | 63.5 (2.50) | 56.4 (2.22) | SC-200 | — |
| 2-1/2 | 73.4 (2.89) | 22.6 (0.89) | 98.0 (3.86) | 77.7 (3.06) | 69.9 (2.75) | SC-250 | — |
| 3 | 98.8 (3.89) | 25.4 (1.00) | 112.3 (4.42) | 90.4 (3.56) | 81.8 (3.22) | SC-300 | — |
| 3-1/2 | 107.7 (4.24) | 25.1 (0.99) | 124.0 (4.88) | 103.1 (4.06) | 94.5 (3.72) | SC-350 | — |
| 4 | 115.6 (4.55) | 25.4 (1.00) | 138.7 (5.46) | 114.3 (4.50) | 105.7 (4.16) | SC-400 | — |

NEER Zinc Cable Connectors

TA-38: Saddle Clamp

Application

- To terminate armored cable, metal-clad cable or nonmetallic sheathed cable in a 1/2" knockout in a dry location box or enclosure.

Feature

- Furnished with locknut.

Standard Material

- Zinc diecast

Certifications and Compliances

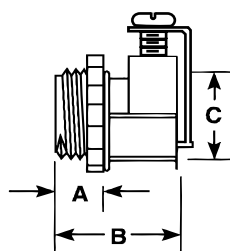
- UL Standard: ANSI/UL 514B
- UL Listed: E25014
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- TA-38 is listed for use with 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 12.7mm (0.50in) steel armored cable (AC); 14-2 AWG (nominal O.D. 12.2mm (0.48in) to 10-3 AWG (nominal O.D. 14.9mm (0.59in) aluminum armored cable (AC); 12.2mm (0.48in) to 15.2mm (0.60in) O.D. steel interlocking metal-clad cable (MCI); 11.9mm (0.47in) to 15.5mm (0.61in) O.D. aluminum interlocking metalclad cable (MCI); 11.4mm (0.45in) to 14.7mm (0.58in) O.D. aluminum interlocking metal-clad cable, grounding type (MCI-A); 12-2 AWG to 10-3 AWG nonmetallic sheathed cable.



TA-38



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 3/8 (1/2 knockout) | 9.1 (0.36) | 22.9 (0.90) | 16.5 (0.65) | TA-38 |

C-550: Set Screw

Application

- To terminate armored cable or metal-clad cable in a 1/2" knockout in a dry location box or enclosure.

Feature

- Furnished with locknut.

Standard Material

- Zinc diecast

Certifications and Compliances

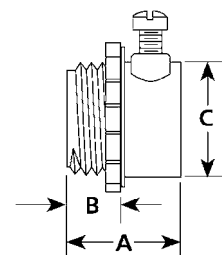
- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- C-550 is listed for use with 14-2 AWG (nominal O.D. 11.7mm (0.46in) to 10-2 AWG (nominal O.D. 15.2mm (0.60in) steel armored cable (AC) and 14-2 AWG (nominal O.D. 11.9mm (0.47in) to 10-3 AWG (nominal O.D. 15.2mm (0.60in) steel interlocking metal-clad cable (MCI).



C-550



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|------------|-------------|-------------------|
| | A | B | C | |
| 3/8 (1/2 knockout) | 19.8 (0.78) | 9.1 (0.36) | 23.6 (0.93) | C-550 |

NEER Connectors for Nonmetallic Sheathed Cable

RX: Two Piece Nonmetallic Sheathed Cable Two Screw Connector

Applications

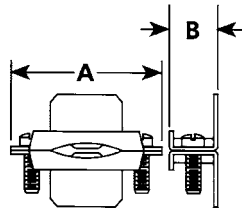
- To terminate one or more nonmetallic sheathed cables to a knockout in a dry location box or enclosure.
- Used in “old work” locations.

Standard Material/Finish

- Steel/zinc plated



RX-50



| Trade Size (Inches) EMT to Flex. | Dimensions in Millimeters (Inches) | | Catalog Number |
|--|---------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 33.8 (1.33) | 16.3 (0.64) | RX-50 |
| 3/4 or 1 | 44.5 (1.75) | 19.3 (0.76) | RX-75 |
| 1-1/4 | 57.2 (2.25) | 21.6 (0.85) | RX-125 |
| 1-1/2 or 2 | 69.3 (2.73) | 21.3 (0.84) | RX-150 |

NST: Snap-Tite Plastic Nonmetallic Sheathed Cable Connector

Applications

- These PVC connectors are used to terminate nonmetallic sheathed cable to 1/2” knockout in a dry location box or enclosure.

Standard Material

- PVC

Certifications and Compliances

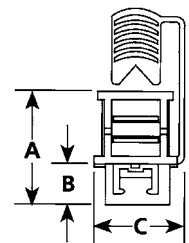
- UL Standard: ANSI/UL 514B
- UL Listed: E25015
- NEMA: FB-1

Note:

- NST-50 is listed for use with one 14-2, 14-3, 12-2, 12-3, 10-2 or 10-3 nonmetallic sheathed cable or two 14-2, 14-3 or 12-2 nonmetallic sheathed cables.



NST-50



| Trade Size (Inches) EMT to Flex. | Dimensions in Millimeters (Inches) | | | Catalog Number |
|--|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 1/2 | 34.8 (1.37) | 12.2 (0.48) | 25.4 (1.00) | NST-50 |

NEER Zinc Two Screw Connectors

For Nonmetallic Sheathed Cable

Application

- Open throat type for nonmetallic sheathed cable.

Features

- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

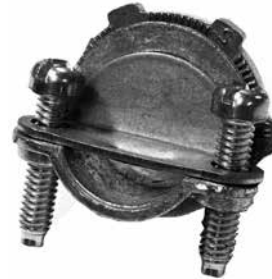
- Body: zinc diecast
- Clamp: steel/zinc plated
- Screw: steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E25015
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

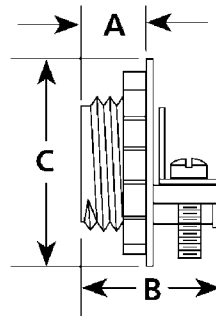
Note:

- All connectors listed for use with a single cable only except for the C-500 which is also listed for use with two 14-2 AWG or two 12-2 AWG NM cables. C-500 also listed for flexible cord with a diameter range of 0.29in./7.4mm. to 0.45in./11.4mm.



C-500

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Nm Cable Range | Catalog Number |
|---------------------|------------------------------------|-------------|-------------|----------------|----------------|
| | A | B | C | | |
| 3/8 (1/2 knockout) | 9.1 (0.36) | 20.6 (0.81) | 23.1 (0.91) | 14-2 to 12-2 | C-500 |
| 3/4 | 10.7 (0.42) | 23.9 (0.94) | 30.5 (1.20) | 10-3 to 8-2 | C-750 |
| 1 | 13.0 (0.51) | 28.2 (1.11) | 38.4 (1.51) | 10-3 to 4-2 | C-1001-R |



NEER Nail and Cable Straps

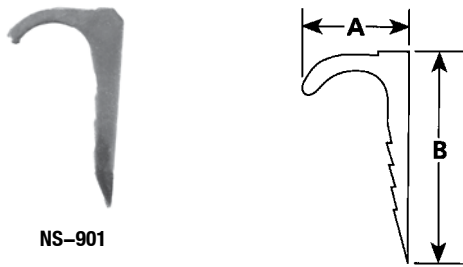
NS: Nail Straps

Applications

- To secure EMT to wooden mounting structure.
- Use in place of one hole straps.

Standard Material/Finish

- Steel/zinc plated



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 30.2 (1.19) | 52.6 (2.07) | NS-901 |
| 3/4 | 31.2 (1.23) | 52.6 (2.07) | NS-902 |
| 1 | 39.1 (1.54) | 57.2 (2.25) | NS-903 |

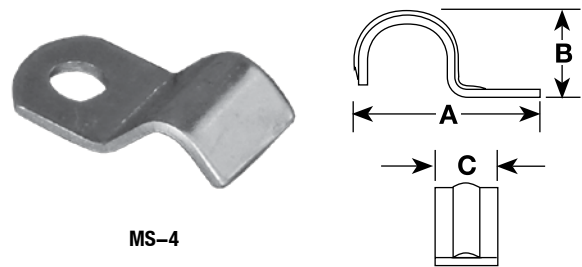
MS and BX: Armored Cable Straps

Applications

- These one hole straps provide support for runs of armored cable.

Standard Material/Finish

- Steel/zinc plated



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 1/4 | 25.4 (1.00) | 12.7 (0.50) | 6.9 (0.27) | MS-4 |
| 3/8 | 32.5 (1.28) | 12.7 (0.50) | 12.4 (0.49) | BX-50 |

NEER Ground Clamps

GC: Bronze Clamps

Application

- Ground clamps for bare copper conductor.
- Used on water pipes, conduits or pipe electrodes.
- For insulated or bare conductor wire, copper AWG #2 thru #10.
- Clamp is reversible.

Standard Material/Finish

- Cast bronze alloy
- Screws: steel/zinc plated

Certifications and Compliances

- UL Standard: 467
- UL Listed: E37337
- CSA Standard: C22.2 No. 41
- CSA Certified: 208044
- NEMA: FB-1

GC: Zinc Clamps

Application

- Ground clamps for bare copper conductor.
- For insulated or bare conductor wire, copper AWG #2 thru #8.
- Clamp is reversible.

Standard Material/Finish

- GC-5
 - Zinc diecast
 - Screws: steel/zinc plated
- GC-5B
 - Zinc diecast/brass plating
 - Screws: steel/zinc plated

Certifications and Compliances

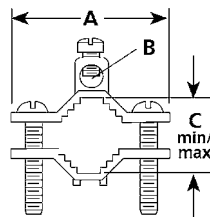
- GC-5
 - UL Standard: 467
 - UL Listed: E37337
 - CSA Standard: C22.2 No. 41
 - CSA Certified: 208044
 - NEMA: FB-1

Note:

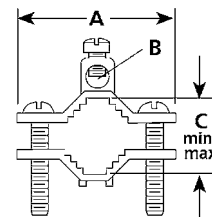
- GC-5 is listed for use with 1/2" through 1" trade size copper water pipe, steel galvanized water pipe and metal gas pipe. UL requires the UL logo be removed from GC-5B because we provide plating of a material or color different from natural zinc.



GC-1Z



GC-5



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|------------|---------------------------|-------------------|
| | A | B | C | |
| 1/2 to 1 | 57.9 (2.28) | 8.4 (0.33) | 1.89/48.0 (0.70/17.8) | GC-1Z |
| 1-1/4 to 2 | 91.9 (3.62) | 8.4 (0.33) | 2.97/75.4 (1.38/35.1) | GC-2 |
| 2-1/2 to 4 | 162.1 (6.38) | 8.4 (0.33) | 5.94/150.9 (2.73/69.3) | GC-4 |
| 4-1/2 to 6 | 215.9 (8.50) | 7.6 (0.30) | 7.75/196.9 (2.66/67.6) | GC-6 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|------------|--------------------------|-------------------|
| | A | B | C | |
| 1/2 to 1 | 56.9 (2.24) | 8.4 (0.33) | 1.61/40.9 (0.54/13.7) | GC-5 |
| 1/2 to 1 | 56.9 (2.24) | 8.4 (0.33) | 1.61/40.9 (0.54/13.7) | GC-5B |

NEER Ground Clamps

GC: Direct Burial Clamps

Applications

- Ground clamp for bare copper conductor.
- Used on water pipes, conduits or pipe electrodes.
- Suitable for direct burial in earth and concrete.

Standard Material

- Clamps and screws: bronze

Certifications and Compliances

- UL Standard: 467
- UL Listed: E37337
- CSA Standard: C22.2 No. 41
- CSA Certified: 208044
- NEMA: FB-1

RC: Rod, Direct Burial Clamps

Applications

- To terminate bare copper conductor directly to ground rod.
- Suitable for direct burial applications.

Standard Material

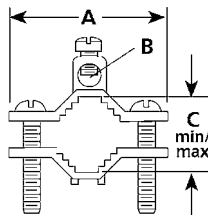
- Clamps and screws: bronze

Certifications and Compliances

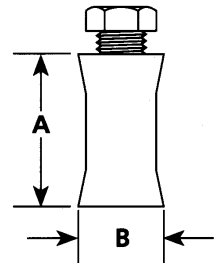
- UL Standard: 467
- UL Listed: E37337
- CSA Standard: C22.2 No. 41
- CSA Certified: 208044
- NEMA: FB-1



GC-1-DB



RC-625



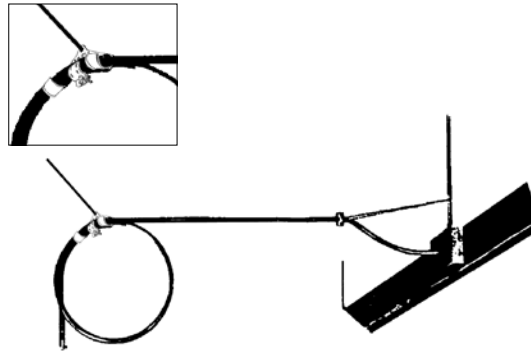
| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|------------|--------------------------|-------------------|
| | A | B | C | |
| 1/2 to 1 | 57.9 (2.28) | 8.1 (0.32) | 1.87/47.5 (0.70/17.8) | GC-1-DB |

| Ground Rod Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Conductor Range AWG | Catalog Number |
|--------------------------------------|---------------------------------------|-------------|---------------------------|-------------------|
| | A | B | | |
| 1/2 | 30.9 (1.22) | 19.1 (0.75) | 8-1/0 | RC-500 |
| 5/8 | 37.6 (1.48) | 24.9 (0.98) | 8-1/0 | RC-625 |
| 3/4 | 41.4 (1.63) | 24.6 (0.97) | 8-1/0 | RC-750 |

Bus Drop Cable Supports and Clamps

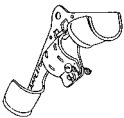
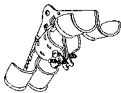


Applications

- “Bus-Drop” cable clamps designed for exposed branch feeder installations.
- Supports cable in flexible connecting circuits used to feed equipment. Cable is run in fixed overhead bused structures to a point directly above equipment then dropped with a 90° bend. At the point of drop, the cable clamp is installed to support the cable.
- Mooring cable clamps are used to attach a guy wire to the cable where it leaves bus structure, thus preventing wire terminal strain and possible conductor breakage.



Features

- Clamps provide maximum versatility of installation where equipment is likely to be moved from one location to another. Installation is fast and modification is simple.
- One clamp covers entire range of cable sizes and can be used for one 90° bend.
- Two clamps, back to back, allow for an additional loop providing extra cable footage when a machine is likely to be moved.

| | Cable Range in Millimeters (Inches) | Weight per 100 kg (lb) | Catalog Number |
|---|--|---------------------------|-------------------|
| “Bus-Drop” Cable Clamps and Strap | | | |
|  | 10.2 - 30.2 (0.40 - 1.19) | 26.76 (59.00) | BD-1 |
|  | 10.2 - 30.2 (0.40 - 1.19) | 53.52 (118.00) | BD-1D |
| | 10.2 - 30.2 (0.40 - 1.19) | 23.59 (52.00) | BD-1A |
|  | 10.2 - 30.2 (0.40 - 1.19) | 4.08 (9.00) | BD-1B |
| “Bus-Drop” Mooring Cable Clamps | | | |
|  | 10.2 - 22.4 (0.40 - 0.88) | 7.71 (17.00) | BDM-1 |
| | 22.4 - 30.2 (0.88 - 1.19) | 15.42 (34.00) | BDM-2 |

NEER Service Entrance Caps and Straps

For SE/U Cable

1050: Combination Slip Fitter

Applications

- Weatherresistant entrance cap for service drop conductors.

Features

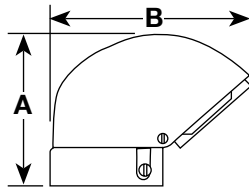
- Slip fit.
- Phenolic insulator with multiple holes.
- For use outdoors in wet locations.

Standard Material/Finish

- Aluminum/natural



1050



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | A | B | |
| 2 x 1-1/4 | 102.9 (4.05) | 120.1 (4.73) | 1050 |
| 2-1/2 x 1 | 131.6 (5.18) | 165.1 (6.50) | 1053 |

1702: One Hole Stamped Steel Straps

Applications

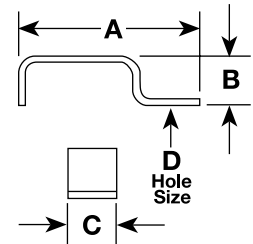
- One hole strap for securing Type SE or Type USE cables.
- Material finish is galvanized zinc.

Standard Material/Finish

- Steel/zinc plated



1702



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|------------|-------------------|
| | A | B | C | D | |
| 2/3 | 49.5 (1.95) | 17.0 (0.67) | 19.1 (0.75) | 6.4 (0.25) | 1702 |
| 3/3 | 49.3 (1.94) | 16.0 (0.63) | 14.5 (0.57) | 6.4 (0.25) | 1703 |
| 6/4, 4/3 | 43.2 (1.70) | 11.7 (0.46) | 14.2 (0.56) | 6.4 (0.25) | 1704 |
| 1, 1/0 or 2/0 | 63.2 (2.49) | 20.8 (0.82) | 25.4 (1.00) | 7.9 (0.31) | 1710 |
| 3/0, 4/0 | 71.1 (2.80) | 24.6 (0.97) | 25.4 (1.00) | 7.9 (0.31) | 1740 |

NEER Service Entrance Caps

For SE/U Cable

SEC Service Entrance Caps

Applications

- Entrance cap for Type SE cable.

Standard Material

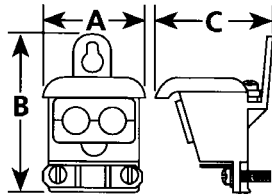
- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E37336



SEC-192



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|--------------|-------------|----------------|
| | A | C | B | |
| 8/3-1/3 | 52.1 (2.05) | 75.9 (2.99) | 70.4 (2.77) | SEC-192 |
| 1/0-4/0 | 80.0 (3.15) | 114.3 (4.50) | 90.2 (3.55) | SEC-194 |

PVC Service Entrance Caps

Applications

- Entrance cap for Type SE cable.

Features

- Cover releases with screwdriver twist. No screws to back out.
- U-slots eliminate cumbersome two piece insulator.

Standard Material

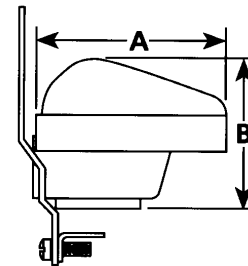
- PVC

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E37336



PVC-8642



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---------------------|------------------------------------|--------------|-----------------|
| | A | B | |
| 8/3-1/3 | 70.1 (2.76) | 66.0 (2.60) | PVC-8642 |
| 1/0-4/0 | 107.7 (4.24) | 101.6 (4.00) | PVC-3040 |

NEER Aluminum Entrance Caps

ECO: Clamp-on Aluminum Entrance Caps

Applications

- Clamp type aluminum entrance caps for threaded or unthreaded rigid conduit, IMC or EMT service masts.

Standard Material

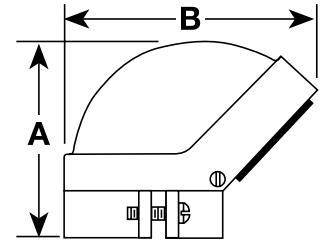
- ECO-100 thru ECO-101: zinc diecast
- ECO-102 thru ECO-109: aluminum/natural

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1



ECO -100



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | No. Holes | Size Holes | Catalog Number |
|------------------------|---------------------------------------|---------------|-----------|---------------|-------------------|
| | A | B | | | |
| 1/2 | 68.6 (2.70) | 82.6 (3.25) | 4 | 19/64 | ECO-100 |
| 3/4 | 71.1 (2.80) | 92.5 (3.64) | 2 | 3/8 | ECO-101 |
| | | | 3 | 13/32 | |
| 1 | 86.4 (3.40) | 105.4 (4.15) | 2 | 7/16 | ECO-102 |
| | | | 3 | 1/2 | |
| 1-1/4 | 84.3 (3.32) | 117.1 (4.61) | 2 | 27/64 | ECO-103 |
| | | | 3 | 5/8 | |
| 1-1/2 | 120.7 (4.75) | 147.1 (5.79) | 2 | 19/32 | ECO-104 |
| | | | 3 | 3/4 | |
| 2 | 146.1 (5.75) | 175.3 (6.90) | 2 | 3/4 | ECO-105 |
| | | | 3 | 1 | |
| 2-1/2 | 177.8 (7.00) | 266.7 (10.50) | 1 | 1-5/16 | ECO-106 |
| | | | 3 | 7/8 | |
| 3 | 215.9 (8.50) | 298.5 (11.75) | 1 | 1 | ECO-107 |
| | | | 3 | 1-5/16 | |
| 3-1/2 | 215.9 (8.50) | 311.2 (12.25) | 4 | 1-1/8 | ECO-108 |
| | | | 3 | 1-3/4 | |
| 4 | 222.3 (8.75) | 317.5 (12.50) | 4 | 1-1/8 | ECO-109 |
| | | | 3 | 1-3/4 | |

NEER Aluminum Entrance Caps

ECS: Set Screw Aluminum Entrance Caps

Applications

- Set screw type aluminum entrance for unthreaded rigid conduit or IMC service masts.

Standard Material

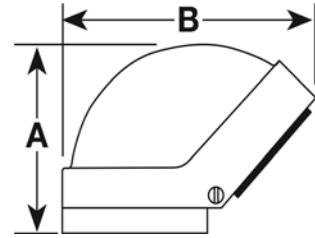
- Aluminum/natural

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1



ECS-105



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | No. Holes | Size Holes | Catalog Number |
|---------------------|------------------------------------|---------------|-----------|------------|----------------|
| | A | B | | | |
| 2 | 139.7 (5.50) | 177.8 (7.00) | 2 | 3/4 | ECS-105 |
| | | | 3 | 1 | |
| | | | 1 | 1-5/16 | |
| 2-1/2 | 184.2 (7.25) | 260.4 (10.25) | 3 | 7/8 | ECS-106 |
| | | | 1 | 1 | |
| | | | 3 | 1-5/16 | |
| 3 | 222.3 (8.75) | 273.1 (10.75) | 4 | 1-1/8 | ECS-107 |
| | | | 3 | 1-3/4 | |
| 3-1/2 | 235.0 (9.25) | 342.9 (13.50) | 4 | 1-1/8 | ECS-108 |
| | | | 3 | 1-3/4 | |
| 4 | 235.0 (9.25) | 342.9 (13.50) | 4 | 1-1/8 | ECS-109 |
| | | | 3 | 1-3/4 | |

NEER Service Entrance Flashings

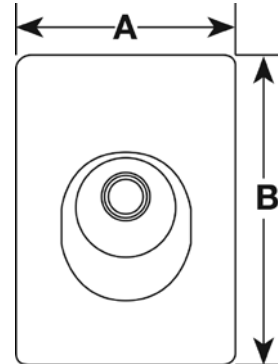
NC: No Caulk, Galvanized Steel




Applications

- These are used to provide a watertight connection between the roof line and ventilation pipes.

Standard Material

- NC and 1000: galvanized steel
- 1000-N: neoprene



| | Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|---|---------------------|------------------------------------|---------------|----------------|
| | | A | B | |
| NC: No Caulk, Galvanized | | | | |
|  | 1-1/4 - 1-1/2 | 222.3 (8.75) | 317.5 (12.50) | NC-1069 |
| | 2 | 225.6 (8.88) | 317.5 (12.50) | NC-1070 |
| | 2-1/2 - 3-1/2 | 273.1 (10.75) | 368.3 (14.50) | NC-1071 |
| 1000: Galvanized with Collar | | | | |
|  | 2 | 273.1 (10.75) | 368.3 (14.50) | 1070 |
| | 2-1/2 | 273.1 (10.75) | 368.3 (14.50) | 1071 |
| 1000-N: All-Neoprene | | | | |
|  | 1-1/4 - 1-1/2 | 228.6 (9.00) | 285.8 (11.25) | 1069-N |
| | 2 | 228.6 (9.00) | 292.1 (11.50) | 1070-N |
| | 2-1/2 - 3-1/2 | 228.6 (9.00) | 292.1 (11.50) | 1071-N |
| | 3 | 254.0 (10.00) | 342.9 (13.50) | 1072-N |

NEER Zinc Two Screw Connectors

For Service Entrance Cable

C: For Oval Service Entrance Cables

Applications

- To terminate oval Type SE or Type USE cable.

Features

- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

- Body: zinc diecast
- Clamp (C-750, C-1001-R): steel/zinc plated
- Clamp (C-1250, C-1500, C-2000): zinc diecast
- Screw: steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E25015
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- C-750 and C-1001-R also listed for use with nonmetallic sheathed cable.



C: For Oval Service Entrance Cables

Applications

- To terminate oval Type SE or Type USE cable.

Features

- Furnished with locknut.
- Male hub threads — NPS.

Standard Material/Finish

- Body: zinc diecast
- Clamp (C-750, C-1001-R): steel/zinc plated
- Clamp (C-1250, C-1500, C-2000): zinc diecast
- Screw: steel/zinc plated

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E25015
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- C-750 and C-1001-R also listed for use with nonmetallic sheathed cable.



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Range | Catalog Number |
|---------------------|------------------------------------|-------------|-------------|--------------|-----------------|
| | A | B | C | | |
| 3/4 | 10.7 (0.42) | 23.9 (0.94) | 23.1 (0.91) | 8-3, 6-3 SE | C-750 |
| 1 | 13.0 (0.51) | 28.2 (1.11) | 30.5 (1.20) | 10-3, 4-2 SE | C-1001-R |
| 1-1/4 | 15.2 (0.60) | 33.3 (1.31) | 47.5 (1.87) | 3-3, 2-3 SE | C-1250 |
| 1-1/2 | 15.0 (0.59) | 33.8 (1.33) | 51.1 (2.01) | 3-2/0 SE | C-1500 |
| 2 | 18.8 (0.74) | 39.9 (1.57) | 66.5 (2.62) | 3-4/0 SE | C-2000 |

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Range | Catalog Number |
|---------------------|------------------------------------|-------------|-------------|------------------|-------------------|
| | A | B | C | | |
| 1 | 13.0 (0.51) | 28.2 (1.11) | 38.4 (1.51) | 6-3, 4-3 SER | C-1001-R |
| 1-1/4 | 15.2 (0.60) | 31.8 (1.25) | 46.2 (1.82) | 3-3, 2-3 SER | C-1251-R |
| 1-1/2 | 16.3 (0.64) | 36.6 (1.44) | 52.3 (2.06) | 3-2/0, 3-3/0 SER | C-1501-R |
| 2 | 18.8 (0.74) | 40.4 (1.59) | 65.5 (2.58) | 4-4/0 SER | C-2001-R ① |

① Not CSA certified

NEER Service Entrance Wire Holders

1402: All Porcelain with Lag Screw

Applications

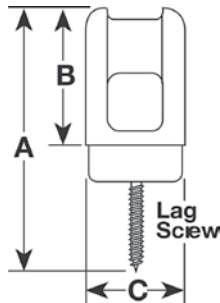
- Used for indoor applications of 600 volts or less.

Standard Material/Finish

- Porcelain
- Screw: steel/zinc plated



1402



| Lag Screw Length (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------------|------------------------------------|-------------|-------------|----------------|
| | A | B | C | |
| 2-1/4 | 136.1 (5.36) | 78.0 (3.07) | 47.0 (1.85) | 1402 |

1401: Adjustable with Porcelain Insulator

Applications

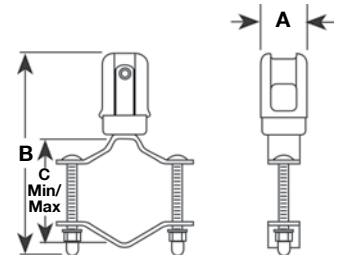
- Clamp-on adjustable wire holder for service entrance masts.
- May be used in other applications requiring insulator attachment to pipe.

Standard Material/Finish

- Clamps: porcelain/steel
- Screw: steel/zinc plated



1401



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|------------------------------------|--------------|------------------------|----------------|
| | A | B | C | |
| 1-1/4 x 2-1/2 | 41.1 (1.62) | 184.2 (7.25) | 4.00/101.6 (1.75/44.5) | C-750 |

NEER Aluminum Service Entrance Pulling Ells

With Cover and Gasket

SLB: Pulling Ells

Applications

- To provide access to the inside of a service raceway.
- For wire pulling where the raceway changes direction.

Features

- Cover and gasket included.

Standard Material/Finish

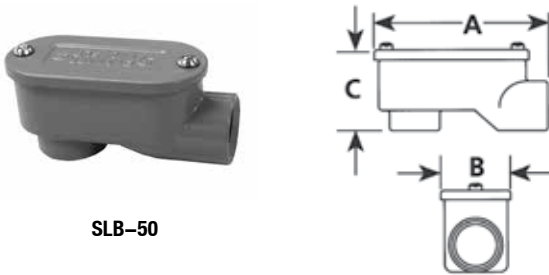
- Diecast aluminum/epoxy powder coat
- Gasket: fiber

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1

Note:

- SLBs are limited to No. 6 AWG maximum wire size. The maximum quantity of conductors is based on the maximum conductor fill for the trade size of the raceway (conduit).



SLB-50

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 1/2 | 82.3 (3.24) | 31.0 (1.22) | 36.1 (1.42) | SLB-50 |
| 3/4 | 90.7 (3.57) | 35.6 (1.40) | 68.1 (2.68) | SLB-75 |
| 1 | 108.0 (4.25) | 45.0 (1.77) | 49.8 (1.96) | SLB-100 |
| 1-1/4 | 142.7 (5.62) | 57.4 (2.26) | 61.7 (2.43) | SLB-125 |
| 1-1/2 | 158.8 (6.25) | 62.7 (2.47) | 59.7 (2.35) | SLB-150 |
| 2 | 171.5 (6.75) | 74.2 (2.92) | 73.7 (2.90) | SLB-200 |

SLB-XL: Extra Long Pulling Ells

Applications

- To provide access to the inside of a service raceway.
- For wire pulling where the raceway changes direction.

Features

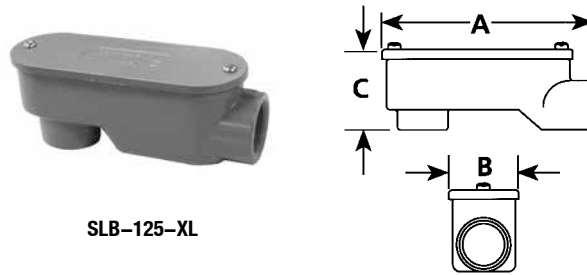
- Cover and gasket included.

Standard Material/Finish

- Diecast aluminum/epoxy powder coat
- Gasket: fiber

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E53330
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



SLB-125-XL

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------|-------------------|
| | A | B | C | |
| 1-1/4 | 199.9 (7.87) | 65.0 (2.56) | 59.7 (2.35) | SLB-125-XL |
| 2 | 260.4 (10.25) | 81.8 (3.22) | 84.3 (3.32) | SLB-200-XL |

NEER Zinc Pulling Ells and PVC Entrance Caps

Threaded for Rigid Conduit and IMC

HL: 90° Female/Female Pulling Ells

Applications

- Threaded 90° corner pulling elbows are used to facilitate pulling conductors through a sharp bend in a run of threaded rigid conduit or IMC.

Features

- Raintight (wet locations).
- The removable cover gives ample access so that wire pulling can be achieved without any obstructions.

Standard Material

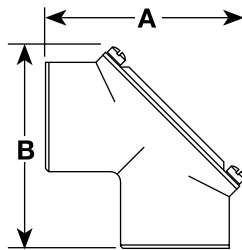
- Zinc diecast

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E32539
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 208044
- NEMA: FB-1



HL-500



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|-------------|-------------------|
| | A | B | |
| 1/2 | 53.3 (2.10) | 53.3 (2.10) | HL-500 |
| 3/4 | 58.2 (2.29) | 58.2 (2.29) | HL-750 |

PVC: Entrance Caps

Applications

- Plastic entrance caps for rigid conduit, IMC, EMT or PVC conduit service mast.

Features

- Cover releases with screwdriver twist, no screws to back out.
- U-slots eliminate cumbersome two piece insulator.
- Complete with EMT adapter.

Standard Material

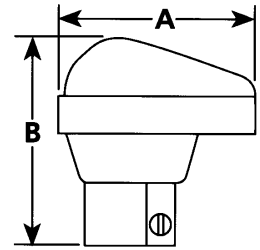
- PVC

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E302405
- NEMA: FB-1



PVC-100



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------|---------------------------------------|--------------|-------------------|
| | A | B | |
| 1/2 | 73.7 (2.90) | 66.8 (2.63) | PVC-100 |
| 3/4 | 80.5 (3.17) | 80.0 (3.15) | PVC-101 |
| 1 | 85.1 (3.35) | 79.0 (3.11) | PVC-102 |
| 1-1/4 | 99.1 (3.90) | 94.0 (3.70) | PVC-103 |
| 1-1/2 | 96.5 (3.80) | 95.8 (3.77) | PVC-104 |
| 2 | 158.8 (6.25) | 165.1 (6.50) | PVC-105 |

NEER Service Entrance Connectors

UF: For Underground Cable

Applications

- Gland type connector for sealing and terminating. Type UF cable.

Standard Material/Finish

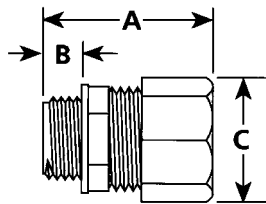
- Steel/zinc plated
- Grommet: neoprene

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E25015
- NEMA: FB-1



UF



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Cable Range | Catalog Number |
|---------------------|------------------------------------|-------------|-------------|------------------------------|----------------|
| | A | B | C | | |
| 1/2 | 33.3 (1.31) | 12.7 (0.50) | 27.4 (1.08) | 14-2 and 12-2 AWG | SLB-50 |
| 3/4 | 38.4 (1.51) | 13.2 (0.52) | 33.8 (1.33) | 14-3, 12-3, 10-3 and 8-2 AWG | SLB-75 |

WC: For Oval SE/U Cable

Applications

- For terminating and sealing service entrance cable entering an enclosure or conduit hub.

Standard Material/Finish

- Body: zinc diecast
- Compression washer: steel/zinc plated
- Grommet: neoprene

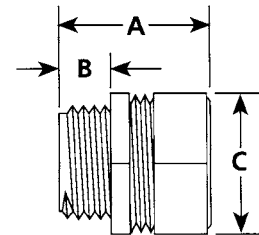
Certifications and Compliances

- WC-1004 thru WC-2004N, except WC-1501 and WC-2001
UL Listed: E37336
- WC-1004 thru WC-2004N
CSA Certified: LR14489

* Note: Connector Selection: SE dimensions are based upon average dimensions given by various manufacturers of cable. Individual manufacturers vary. Actual dimensions must be checked and proper fittings selected based upon "grommet range minimum" column.



WC



| Trade Size (Inches) | Grommet ① Minimum | Opening Maximum | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|-------------------|-----------------|------------------------------------|-------------|-------------|----------------|
| | | | A | B | C | |
| 1 | 0.50 (0.32) | 0.80 (0.50) | 39.6 (1.56) | 14.0 (0.55) | 38.1 (1.50) | WC-1004 |
| 1 | 0.71 (0.40) | 0.70 (0.44) | 39.6 (1.56) | 14.0 (0.55) | 38.1 (1.50) | WC-1006 |
| 1 | 0.81 (0.44) | 0.63 (0.40) | 39.6 (1.56) | 14.0 (0.55) | 38.1 (1.50) | WC-1008 |
| 1-1/4 | 0.93 (0.51) | 0.85 (0.57) | 50.5 (1.99) | 15.5 (0.61) | 46.7 (1.84) | WC-1010 |
| 1-1/4 | 0.87 (0.48) | 0.85 (0.51) | 50.5 (1.99) | 15.5 (0.61) | 46.7 (1.84) | WC-1012 |
| 1-1/4 | 1.05 (0.57) | 0.94 (0.66) | 50.5 (1.99) | 15.5 (0.61) | 46.7 (1.84) | WC-1014 |
| 1-1/2 | 1.10 (0.65) | 1.19 (0.70) | 55.4 (2.18) | 15.7 (0.62) | 54.6 (2.15) | WC-1016 |
| 1-1/2 | 1.20 (0.70) | 1.23 (0.74) | 55.4 (2.18) | 15.7 (0.62) | 54.6 (2.15) | WC-1018 |
| 2 | 1.10 (0.65) | 1.19 (0.70) | 61.2 (2.41) | 19.3 (0.76) | 65.3 (2.57) | WC-1020 |
| 2 | 1.20 (0.70) | 1.23 (0.74) | 61.2 (2.41) | 19.3 (0.76) | 65.3 (2.57) | WC-1022 |
| 2 | 1.30 (0.75) | 1.41 (0.83) | 61.2 (2.41) | 19.3 (0.76) | 65.3 (2.57) | WC-1024 |
| 2 | 1.43 (0.84) | 1.53 (0.89) | 61.2 (2.41) | 19.3 (0.76) | 65.3 (2.57) | WC-1026 |
| 2 | 1.58 (0.94) | 1.58 (1.00) | 61.2 (2.41) | 19.3 (0.76) | 65.3 (2.57) | WC-1028 |

① Not CSA certified

FIRE-SEAL® Poke-Thru

With Stainless Steel Clamp for Flexible Metal Conduit and BX

Applications

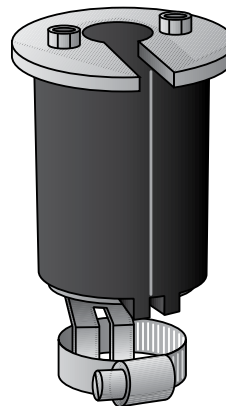
- Fire-Seal® Poke-Thru can be used with any metallic service head having a 1" trade size opening in the base. This includes almost all standard "off-the-shelf" heads for power or telephone wiring.

Features

- Fast Installation.
- Low product cost.
- Mounts into 13/8" hammer-drilled hole.
- Meets Art. 300-21 of National Electrical Code.
- Use with metal deck or reinforced concrete floors with fire ratings from 1 to 4 hours.
- Secures service head to floor without additional masonry anchor.

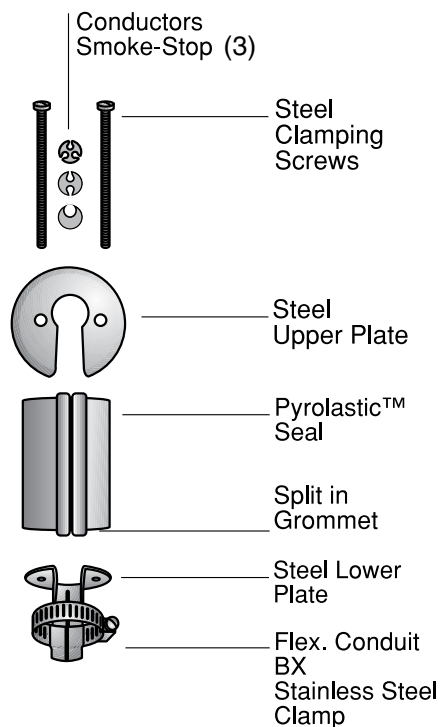
Certifications and Compliances

- UL Standard: E11857
- CSA Certified: R8736



Type PTFS-138U

Illustrated Features

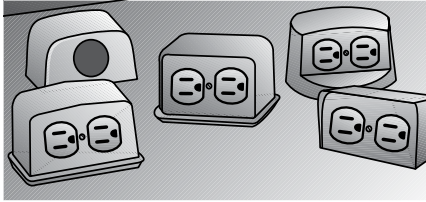


FIRE-SEAL® Poke-Thru

With Stainless Steel Clamp for Flexible Metal Conduit and BX

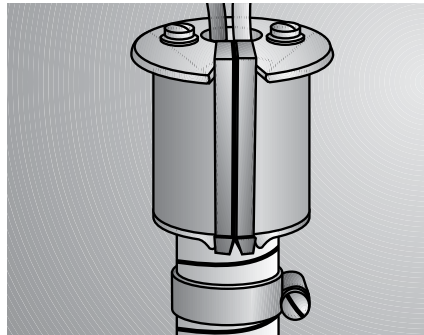
How it works:

When the assembly screws are tightened, the high temperature Pyrolastic[®] seal expands against the opening to secure the service head and to block fire and smoke from spreading through the penetration. Unit works with all slab or deck thicknesses having fire ratings from 1 to 4 hours. A separate abandonment unit is available to seal the penetration if the Poke-Thru is removed.



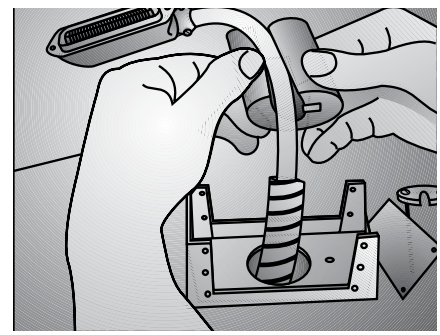
USE WITH ANY SERVICE HEAD

Fire-Seal® Poke-Thru can be used with any metallic service head having a 1" trade size opening in the base. This includes almost all standard "off-the-shelf" heads for power or telephone wiring.



POWER WIRING

For power wiring FIRE-SEAL Poke-Thru may be used with 3/8" or 1/2" flex conduit or BX cable in sizes 14/2; 14/3; 12/2; and 12/3. Separate grounding conductor is not required when used with BX cable in any length or for flex conduit 6 feet or less on circuits protected by overcurrent devices rated 20 amps or less.



TELEPHONE WIRING

For telephone applications, a split in the seal accommodates 25-pair cable without removing the Amphenol® connector. Cable can be routed through flex conduit or run by itself into the Fire-Seal-Poke-Thru depending on local code requirements. A conductor smoke-stop is provided for 2 pair and four-pair cables

FIRE-SEAL® Poke-Thru

With Conduit Hub for use with 3/4" Threaded Rigid or IMC

Applications

- Fire-Seal® Poke-Thru can be used with any metallic service head having a 1" trade size opening in the base. This includes almost all standard "off-the-shelf" heads for power or telephone wiring.

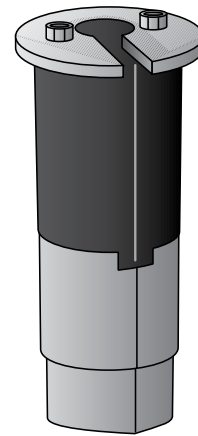
Features

- Direct connection to 3/4" threaded rigid conduit or IMC.
- Use of nipple allows under-floor transition to other systems, such as EMT, armored cable and flex metal conduit or connection box.
- For use with 2 or 3 conductors No. 14 or 12 AWG; 4-pair or 25-pair communication cable.
- Fast Installation.
- Low product cost.
- Mounts into 13/8" hammer-drilled hole.
- Meets Art. 300-21 of National Electrical Code.
- Use with metal deck or reinforced concrete floors with fire ratings from 1 to 4 hours.
- Secures service head to floor without additional masonry anchor.
- Separate grounding conductor is not required when using rigid, IMC, EMT or BX cable in any length or for flex metal conduit 6 feet or less on circuits protected by overcurrent devices rated 20 amperes or less.

Certifications and Compliances

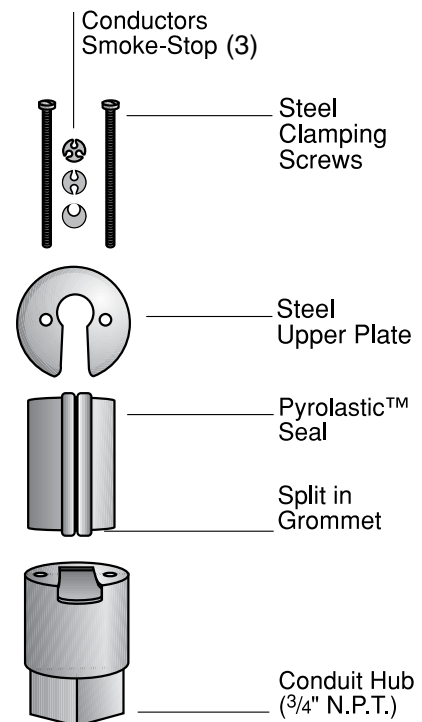
- UL Standard: E11857
- CSA Certified: R8736

| Dimensions in Millimeters (Inches) | | | |
|------------------------------------|----------------|-----------------------|----------------|
| Max. Dia. | Overall Length | Penetration Hole Dia. | Catalog Number |
| 44.45 (1.75) | 101.6 (4) | 35.05 (1.38) | PTFS-138-075 |



Type PTFS-138-075

Illustrated Features



FIRE-SEAL® Poke-Thru Abandonment Unit

Applications

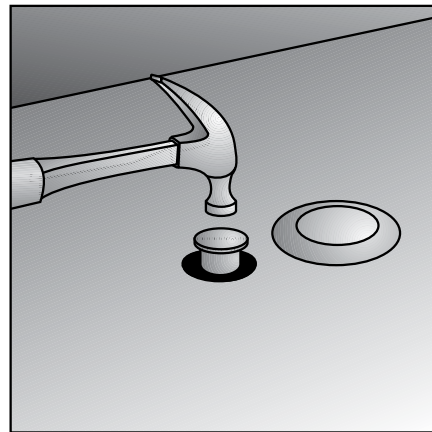
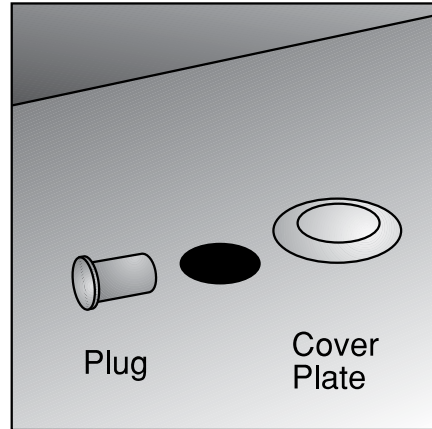
- For use in 13/8" diameter hole. If the Poke-Thru is removed, a simple abandonment plug is driven into the penetration. An aluminum or brass cover plate secures to the plug, with the self tapping screw provided.

Standard Materials

- Aluminum or brass plate

Certifications and Compliances

- CSA Classified: R8736



| | Cover Plate | | |
|----------|---------------|----------------|--|
| Material | Diameter | Catalog Number | |
| Aluminum | 111.25 (4.38) | PTFS-138-000A | |
| Brass | 111.25 (4.38) | PTFS-138-000B | |

Applications

- To ground and secure MC, AC, and Flexible Metal Conduit to boxes and enclosures.

Features

- No locknut required.
- Single-unit or duplex construction with captive clamp.
- Connects over 100 sizes of MC, AC and Flexible Metal Conduit with just four fittings.
- Easy to install. Just tilt, insert and snap down.
- Single-unit construction eliminates loose component parts.
- Integral red plastic insulated throat bushing provides maximum protection for wire insulation.

Standard Materials

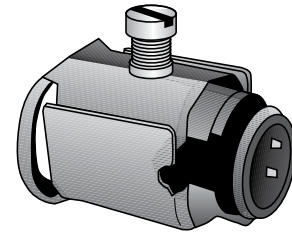
- Steel

Standard Finishes

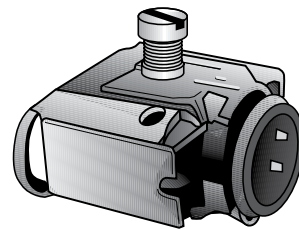
- Zinc electroplated

Certifications and Compliances

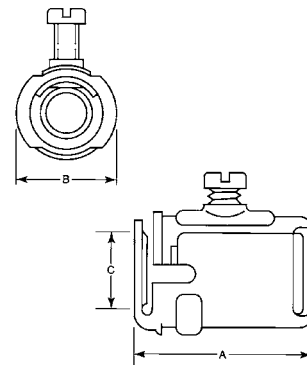
- UL Standard: ANSI/UL 514B
- UL Listed: E-11852
- CSA Standard: C22.2 No. 18
- CSA Certified: 28507
- Fed. Spec: W-F-406E



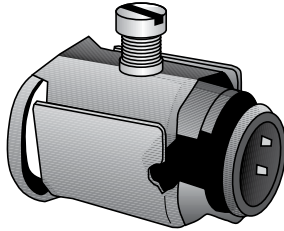
AMC-50



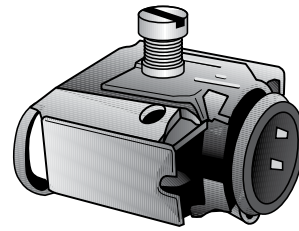
AMC-52



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|------------------------------------|--------------|--------------|-------------------|
| | A | B | C | |
| 1/2 Single | 35.05 (1.38) | 25.4 (1) | 10.41 (0.41) | AMC-50 |
| 3/4 Single | 41.4 (1.63) | 33.27 (1.31) | 14.22 (0.56) | AMC-75 |
| 1/2 KO;3/4 capacity | 41.4 (1.63) | 33.27 (1.31) | 14.22 (0.56) | AMC-5075 |
| 1/2 Duplex | 39.62 (1.56) | 43.69 (1.72) | 14.22 (0.56) | AMC-52 |



AMC-50



AMC-52

AMC SELECTION CHART

| Cable Type | AMC-50 1/2" KO | AMC-5075 1/2" KO 3/4" Capacity | AMC-75 3/4" KO | AMC-52 ② 1/2" KO Duplex |
|---|---------------------------|---|---------------------------|------------------------------------|
| AC Steel | 14/2 14/3 14/4 | 10/4 10/5 | 10/4 10/5 | 14/2 14/3 14/4 |
| | 12/2 12/3 12/4 | 8/3 8/4 | 8/3 8/4 | 12/2 12/3 12/4 |
| | 10/2 10/3 | 6/3 | 6/3 | |
| HFC Steel Health Care Facilities | 14/2 14/3 | | | 14/2 14/3 |
| | 12/2 12/3 | | | 12/2 12/3 |
| | 10/2 | | | |
| AC Aluminum Interlocked | 14/2 14/3 14/4 | 10/4 | 10/4 | 14/2 14/3 14/4 |
| | 12/2 12/3 12/4 | 8/3 8/4 | 8/3 8/4 | 12/2 12/3 12/4 |
| MC Steel | 14/2 ① 14/3 ① 14/4 ① | 10/3 ① 10/4 ① | 10/3 ① 10/4 ① | 14/2 14/3 14/4 |
| | 12/2 ① 12/3 ① 12/4 ① | 8/2 ① 8/3 ① | 8/2 ① 8/3 ① | 12/2 12/3 12/4 ③ |
| | 10/2 ① | 6/2 ① | 6/2 ① | 10/2 ③ |
| MC Aluminum Interlocked | 14/2 14/3 14/4 | 10/3 10/4 | 10/3 10/4 | 14/2 14/3 14/4 |
| | 12/2 12/3 12/4 | 8/2 | 8/2 | 12/2 12/3 12/4 |
| | 10/2 | | | |
| MC Aluminum | 14/3 14/4 | | | |
| | 12/2 ① 12/3 ① 12/4 | | | |
| | 10/2 10/3 | | | |
| MC Aluminum Flat | 12/3 | | | |
| Flexible Metal Conduit (Standard and Reduced Wall) | 3/8 Steel and Alum | 1/2 Steel | 1/2 Steel | |

① Concrete tight when taped and used with PVC jacketed cable.

② Accepts 2 cables of each size listed.

③ Accommodates without UL listing.

Applications

- To ground and secure MC, MCAP, MCI-A, AC and flexible metal conduit to boxes and enclosures in dry locations.
- For 1/2" knockout installations.

Features

- Patented design installs in seconds without the use of tools or locknut.
- Significantly reduces labor.
- Single, duplex or 90 degree construction.
- Design eliminates loose component parts.
- Superior pullout protection.
- Easily removable for reuse.
- Integral red plastic insulated throat 105 °C (221 °F) rated provides maximum protection for wire insulation.
- Concrete tight when tapped.



38SLC



38SLC0W



3838SLC



3890SLC and 5090SLC

Standard Material/Finish

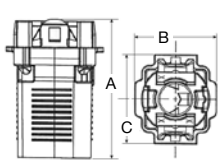
- Body – Zinc die cast
- Cover – Steel/Zinc electroplated
- Insulator – Non-Metallic

NEC/CEC Certifications and Compliances

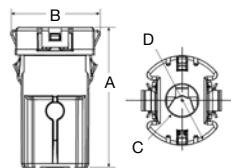
- UL Standard: ANSI/UL 514B
- CSA Standard: C22.2 No. 18
- cULus Listed: E11852

| Trade Size (Inches) | OB/SB KO Size (Inches) | Connector Type | Cable Type | | | Cable Size | Cable Diameter | Weight per 100 kg (lb) | Catalog Number |
|---------------------|------------------------|-------------------|------------|-----------------|-------------|----------------------|--------------------------------------|------------------------|----------------|
| | | | AC/MC | Aluminium MCI-A | Steel MCI-A | | | | |
| 3/8 | 1/2 | Straight | X | X | X | 3/8" 14/2 to 10/3 | 10.03 - 16.21 mm (0.395 - 0.638") | 2.72 (6) | 38SLC |
| 3/8 | 1/2 | Cut-In (Old Work) | X | X | X | 3/8" 14/2 to 10/3 | 10.03 - 16.21 mm (0.395 - 0.638") | 2.72 (6) | 38SLC0W |
| 3/8 | 1/2 | Duplex | X | X | — | 3/8" 14/2 to 10/3 | 11.68 - 15.49 mm (0.460 - 0.610") | 4.99 (11) | 3838SLC |
| 3/8 | 1/2 | 90° | X | — | — | 3/8" 14/2 to 10/3 | 11.68 - 15.49 mm (0.460 - 0.610") | 3.40 (7.5) | 3890SLC |
| 1/2 | 1/2 | 90° | X | — | — | 1/2" 8/2 to 8/3 | 17.02 - 19.94 mm (0.670 - 0.785") | 4.99 (11) | 5090SLC |

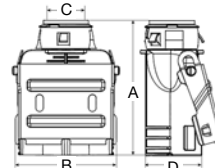
Dimensions in Millimeters (Inches)



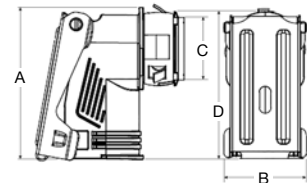
38SLC



38SLC0W



3838SLC



3890SLC and 5090SLC

| Catalog Number | A | B | C | D |
|----------------|--------------|--------------|--------------|-------------|
| 38SLC | 23.75 (0.94) | 20.82 (0.82) | 37.32 (1.47) | — |
| 38SLC0W | 39.0 (1.54) | 24.9 (0.98) | 9.35 (0.37) | 28.0 (1.10) |
| 3838SLC | 53.3 (2.10) | 40.1 (1.58) | 15.0 (0.59) | 22.3 (0.88) |
| 3890SLC | 49.0 (1.93) | 31.4 (1.24) | 15.0 (0.59) | 52.2 (2.06) |
| 5090SLC | 39.0 (1.54) | 24.9 (0.98) | 9.35 (0.37) | 28.0 (1.10) |

Cable Connectors

For Armored Cable and Flexible Metal Conduit

Application

- To ground and secure Armored Cable and Flexible Metal Conduit to boxes and enclosures.

Feature

- Male hub threads - NPS.
- Available with insulated throat.
- Furnished with locknuts.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc Electroplated

NEC/CEC Certifications and Compliances

- UL Listed: E-11852
C-5 through C-8:
UL Listed for armored cable.
- UL Listed: E-11853
C-8, 24-34 through 24-300:
UL Listed for flexible metal conduit

UL Listed flexible metal conduit fittings are suitable for use in Hazardous Location under NEC 501-4(b), Class I, Div. II, and suitable as a grounding means under NEC 350-5.

- CSA Certified: 009795: Armored Cable

Application:

- To ground and secure Armored Cable to boxes and enclosures.

Features:

- Male hub threads (NPS).
- Cable stop.
- UL Listed for armored cable.
- Furnished with locknuts.

Standard Materials

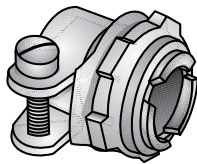
- Malleable iron

Standard Finishes

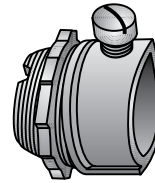
- Zinc plated

NEC/CEC Certifications and Compliances

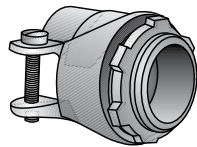
- UL Standard: ANSI/UL 514B (1203)
- UL Listed: 11852
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



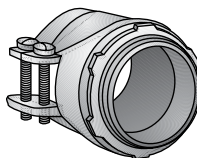
Type C-5
End Stopped



Type C1Z



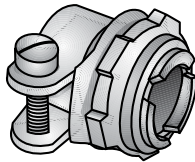
Type C-8 — Type 24-125
Center Stopped



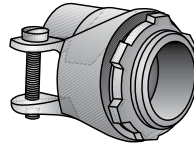
Type 24-150 — Type 24-300
Center Stopped

Cable Connectors

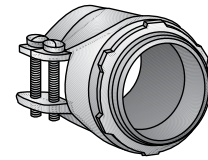
For Armored Cable and Flexible Metal Conduit



**Type C-5
End Stopped**

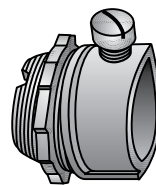


**Type C-8 — Type 24-125
Center Stopped**



**Type 24-150 — Type 24-300
Center Stopped**

| Dimensions in Millimeters (Inches) | | | | | | Insulated Throat Catalog Number |
|------------------------------------|--------------|---------------|---------------|-----------------------------|----------------|---------------------------------|
| Trade Size (Inches) | Body Length | Thread Length | Max. Width | Flex. Opening | Catalog Number | |
| 3/8 (1/2 KO) | 14.22 (0.56) | 11.18 (0.44) | 28.7 (1.13) | 12.7 (0.5) - 14.99 (0.59) | C-5 | — |
| 1/2 | 23.88 (0.94) | 12.7 (0.5) | 39.62 (1.56) | 19.81 (0.78) - 23.88 (0.94) | C-8 | C-8T |
| 3/4 | 28.7 (1.13) | 12.7 (0.5) | 44.45 (1.75) | 23.11 (0.91) - 27.43 (1.08) | 24-34 | 24-34T |
| 1 | 30.23 (1.19) | 14.22 (0.56) | 55.63 (2.19) | 32.51 (1.28) - 36.58 (1.44) | 24-100 | 24-100T |
| 1-1/4 | 31.75 (1.25) | 16 (0.63) | 63.5 (2.5) | 36.58 (1.44) - 41.4 (1.63) | 24-125 | 24-125T |
| 1-1/2 | 47.75 (1.88) | 17.53 (0.69) | 66.8 (2.63) | 41.4 (1.63) - 47.75 (1.88) | 24-150 | 24-150T |
| 2 | 50.8 (2) | 19.05 (0.75) | 84.07 (3.31) | 55.63 (2.19) - 60.45 (2.38) | 24-200 | 24-200T |
| 2-1/2 | 52.32 (2.06) | 23.88 (0.94) | 103.12 (4.06) | 68.58 (2.7) - 74.93 (2.95) | 24-250 | 24-250T |
| 3 | 57.15 (2.25) | 23.88 (0.94) | 117.6 (4.63) | 79.5 (3.13) - 88.9 (3.5) | 24-300 | 24-300T |



Type C-1Z

| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|--------------|---------------|------------|--------------------------|----------------|
| Trade Size (Inches) | Body Length | Thread Length | Max. Width | Flex. Opening | Catalog Number |
| 3/8 (1/2 KO) | 14.22 (0.56) | 10.41 (0.41) | 25.4 (1) | 10.67 (0.42) - 16 (0.63) | C-1Z |

Cable Connectors

For Armored Cable and Flexible Metal Conduit

Application:

- To ground and secure Armored Cable and Flexible Metal Conduit to boxes and enclosures.

Features

- Male hubs - NPS.
- Provided with center stop.
- Available with insulated throats.
- Furnished with locknuts.
- Also suitable for NM and SE cable.

Standard Materials

- Malleable iron

Standard Finishes

- Zinc Electroplated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B (1203)
- UL Listed: E-11852
- CSA Standard C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1

Application:

- To ground and secure Armored Cable to boxes and enclosures.

Features

- Male hub threads (NPS).
- Cable stop.
- UL Listed for armored cable.
- Furnished with locknuts.

Standard Materials

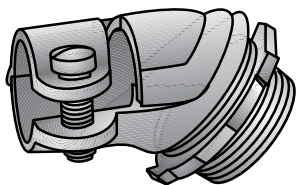
- Malleable iron

Standard Finishes

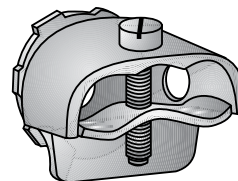
- Zinc plated

NEC/CEC Certifications and Compliances

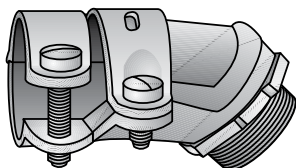
- UL Standard: ANSI/UL 514B (1203)
- UL Listed: 11852
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type AC-38



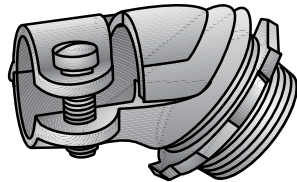
Type 25-38C



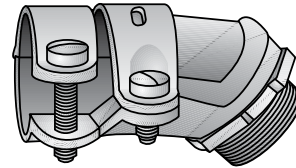
Type AC-50

Cable Connectors

For Armored Cable and Flexible Metal Conduit

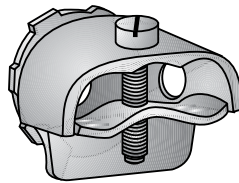


Type AC-38



Type AC-50

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|------------------|---------------|-----------------------------|-------------------|--|
| | Body Length | Thread Length | Max. Width | Flex. Opening | | |
| 3/8 (1/2 KO) | 35.05 (1.38) | 11.18 (0.44) | 31.75 (1.25) | 13.46 (0.53) - 15.49 (0.61) | AC-38 | AC-38T |
| 1/2 | 49.28 (1.94) | 11.18 (0.44) | 42.93 (1.69) | 19.81 (0.78) - 23.88 (0.94) | AC-50 | AC-50T |
| 3/4 | 54.1 (2.13) | 12.7 (0.5) | 44.45 (1.75) | 23.11 (0.91) - 26.92 (1.06) | AC-75 | AC-75T |



Type 25-38C

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------|------------------------------------|------------------|---------------|----------------------------|-------------------|
| | Body Length | Thread Length | Max. Width | Opening | |
| 3/8 (1/2 KO) | 26.92 (1.06) | 11.18 (0.44) | 39.62 (1.56) | 5.59 (0.22) - 13.46 (0.53) | 25-38C |

Cable Connectors

For Armored Cable and Flexible Metal Conduit

Application:

- To ground and secure Armored Cable and Flexible Metal Conduit to boxes and enclosures.

Features

- Male hubs - NPS.
- Provided with center stop.
- Available with insulated throats.
- Furnished with locknuts.
- Also suitable for NM and SE cable.

Standard Materials

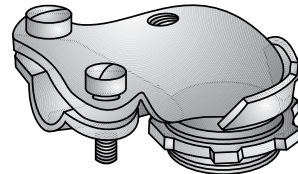
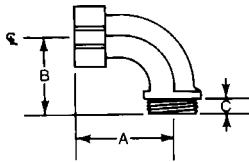
- Malleable iron

Standard Finishes

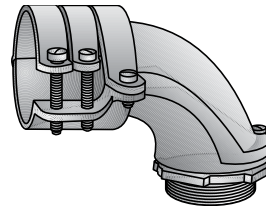
- Zinc Electroplated

NEC/CEC Certifications and Compliances

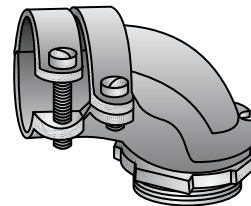
- UL Standard: ANSI/UL 514B (1203)
- UL Listed: E-11852
- CSA Standard C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



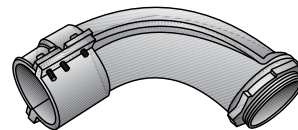
Type ACV-938



Type AC-150 — Type AC-200



Type ACV-50 — Type AC-125



Type AC-250 — Type AC-400

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | | Flex Opening | Catalog Number | Insulated Throat Catalog Number |
|------------------------|------------------------------------|---------------|--------------|--|-------------------------------|-------------------|---------------------------------------|
| | A | B | C | | | | |
| 3/8 (1/2 KO) | 33.27 (1.31) | 20.57 (0.81) | 11.18 (0.44) | | 9.14 (0.36) - 16.76 (0.66) | ACV-938 | ACV-938T |
| 1/2 | 44.45 (1.75) | 26.92 (1.06) | 11.18 (0.44) | | 19.81 (0.78) - 24.13 (0.95) | ACV-50 | ACV-50T |
| 3/4 | 45.97 (1.81) | 28.7 (1.13) | 11.18 (0.44) | | 23.11 (0.91) - 25.91 (1.02) | ACV-75 | ACV-75T |
| 1 | 52.32 (2.06) | 39.62 (1.56) | 14.22 (0.56) | | 31.75 (1.25) - 35.05 (1.38) | AC-100 | AC-100T |
| 1-1/4 | 71.37 (2.81) | 50.8 (2) | 14.22 (0.56) | | 35.81 (1.41) - 41.4 (1.63) | AC-125 | AC-125T |
| 1-1/2 | 96.77 (3.81) | 71.37 (2.81) | 14.22 (0.56) | | 44.45 (1.75) - 50.8 (2) | AC-150 | AC-150T |
| 2 | 120.65 (4.75) | 82.55 (3.25) | 17.53 (0.69) | | 55.63 (2.19) - 42.93 (1.69) | AC-200 | AC-200T |
| 2-1/2 | 158.75 (6.25) | 109.47 (4.31) | 22.35 (0.88) | | 69.85 (2.75) - 76.2 (3) | AC-250 | AC-250T |
| 3 | 184.15 (7.25) | 130.3 (5.13) | 25.4 (1) | | 82.55 (3.25) - 88.9 (3.5) | AC-300 | AC-300T |
| 3-1/2 | 260.35 (10.25) | 196.85 (7.75) | 31.75 (1.25) | | 93.98 (3.7) - 105.66 (4.16) | AC-350 | AC-350T |
| 4 | 330.2 (13) | 247.65 (9.75) | 31.75 (1.25) | | 104.39 (4.11) - 115.82 (4.56) | AC-400 | AC-400T |

Cable Connectors

For Armored Cable, Flexible Metal Conduit, Interlocked Metal Clad Cables, NM and SE Cable

Applications

- To ground and secure Armored Cable, Flexible Metal Conduit and Interlocked Metal Clad Cables to boxes and enclosures.
- To secure NM and SE Cables to boxes and enclosures.

Features

- Available with insulated throats.
- Male hub threads - NPS.
- All center stopped.
- Provided with locknuts.

Standard Materials

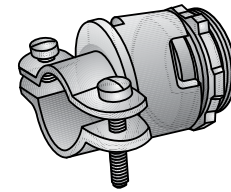
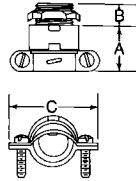
- Malleable iron

Standard Finishes

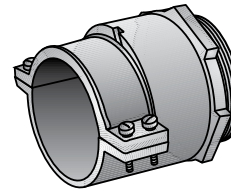
- Zinc Electroplated

NEC/CEC Certifications and Compliances

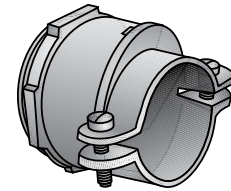
- UL Standard: ANSI/UL 514B
- UL Listed: E-11852, E-11858, E-23237, E-11853
- CSA Standard C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type KC-50 — Type KC-76



Type KC-350 — Type KC-500



Type KC-100 — Type KC-300

| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Flex Opening Min. - Max. | UL FILE NUMBER | | | | | | | |
|------------------------|------------------------------------|--------------|---------------|--------------------------------|------------------------------------|------------------|---------------------------|-------------------|-------------|-------------------|--|--|
| | A | B | C | | Metal Clad | Armored Cable | Flex. Metal Conduit | Sheathed Cable | SE Cable | Catalog Number | Insulated Throat Catalog Number | |
| 1/2 | 28.7 (1.13) | 11.18 (0.44) | 47.75 (1.88) | 12.7 (0.5) - 23.11 (0.91) | E-11852 | E-11852 | E-11852 | E-11852 | E-11852 | KC-50 | KC-50T | |
| 1/2(3/4 KO) | 28.7 (1.13) | 11.18 (0.44) | 47.75 (1.88) | 12.7 (0.5) - 23.88 (0.94) | E-11852 | E-11852 | E-11852 | E-11852 | E-11852 | KC-51 | — | |
| 3/4 | 30.23 (1.19) | 12.7 (0.5) | 54.1 (2.13) | 22.35 (0.88) - 27.69 (1.09) | — | E-11852 | E-11852 | E-11852 | E-11852 | KC-75 | KC-75T | |
| 3/4(1 KO) | 30.23 (1.19) | 12.7 (0.5) | 54.1 (2.13) | 21.34 (0.84) - 27.69 (1.09) | — | E-11852 | E-11852 | E-11852 | E-11852 | KC-76 | — | |
| 1 | 31.75 (1.25) | 14.22 (0.56) | 61.98 (2.44) | 26.92 (1.06) - 35.05 (1.38) | — | — | E-11853 | E-11856 | E-11858 | KC-100 | KC-75T | |
| 1-1/4 | 33.27 (1.31) | 14.22 (0.56) | 71.37 (2.81) | 32.51 (1.28) - 41.4 (1.63) | — | — | E-11853 | E-11856 | E-11858 | KC-125 | KC-125T | |
| 1-1/2 | 45.97 (1.81) | 19.05 (0.75) | 87.38 (3.44) | 35.05 (1.38) - 50.8 (2) | — | — | E-11853 | — | — | KC-150 | KC-150T | |
| 2 | 54.1 (2.13) | 22.35 (0.88) | 107.95 (4.25) | 54.1 (2.13) - 63.5 (2.5) | — | — | E-11853 | — | — | KC-200 | KC-200T | |
| 2-1/2 | 66.8 (2.63) | 22.35 (0.88) | 127 (5) | 61.98 (2.44) - 76.2 (3) | — | — | E-11853 | — | — | KC-250 | KC-250T | |
| 3 | 77.72 (3.06) | 26.92 (1.06) | 139.7 (5.5) | 74.68 (2.94) - 88.9 (3.5) | — | — | E-11853 | — | — | KC-300 | KC-300T | |
| 3-1/2 | 90.42 (3.56) | 31.75 (1.25) | 165.1 (6.5) | 94.49 (3.72) - 101.6 (4) | — | — | E-11853 | — | — | KC-350 | KC-350T | |
| 4 | 93.73 (3.69) | 31.75 (1.25) | 177.8 (7) | 103.12 (4.06) - 112.78 (4.44) | — | — | E-11853 | — | — | KC-400 | KC-400T | |
| 5 | 127 (5) | 38.1 (1.5) | 212.85 (8.38) | 134.87 (5.31) - 139.7 (5.5) | UL and CSA Listing not applicable. | | | | | KC-500 | KC-500T | |

Cable Connectors

For Armored Cable

Applications

- To ground and secure Armored Cable to boxes and enclosures.

Features

- End stopped.
- Male hub threads NPS.
- Provided with locknut.

Standard Materials

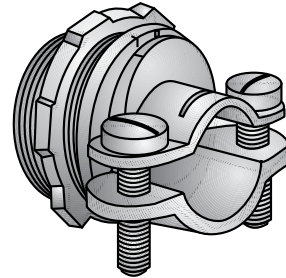
- Malleable iron

Standard Finishes

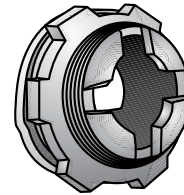
- Zinc Electroplated

NEC/CEC Certifications and Compliances

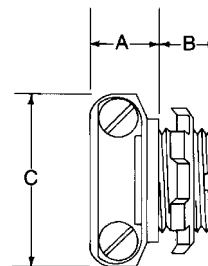
- UL Standard: ANSI/UL 514B
- UL Listed: E-11852
- CSA Standard C22.2 No. 18
- CSA Certified: 009795
- NEMA: FB-1



Type C-15L



Front View



| Trade Size (Inches) | Dimensions in Millimeters (Inches) | | | Cable Opening | Catalog Number |
|------------------------|------------------------------------|------------|--------------|-------------------------|-------------------|
| | A | B | C | | |
| 3/8 (1/2 KO) | 14.22 (0.56) | 12.7 (0.5) | 35.05 (1.38) | 9.65 (0.38) - 16 (0.63) | C-15L |

Cable Connectors

Aluminum Sheathed For Smooth and Corrugated ALS Cable

Applications

- To ground and secure Aluminum Sheathed Cable to boxes and enclosures.

Features

- End stopped.
- Male hub thread NPS.
- Furnished with locknut.

Standard Materials

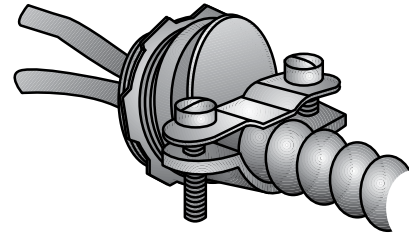
- Malleable iron

Standard Finishes

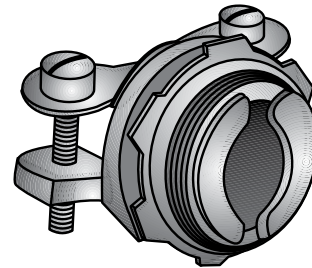
- Zinc Electroplated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11852
- Fed. Spec: W-F-406E
- NEMA: FB-1



Type ALS-50-525



End Stopped

| K.O. Size Inches | Dimensions in Millimeters (Inches) | | | Cable Range Dia. over Armor | | Catalog Number |
|---------------------|------------------------------------|---------------------|-------------------|--------------------------------|--------------|-------------------|
| | Length of Clamp | Length of Thread | Width of Clamp | Min. | Max. | |
| 1/2 | 14.22 (0.56) | 11.94 (0.47) | 35.05 (1.38) | 9.65 (0.38) | 13.46 (0.53) | ALS-50-525 |

Cable and Flexible Cord Connectors

For Non-Metallic Sheathed Cable

Applications

- Type C-11LS - to secure Non-Metallic Sheathed Cable to boxes and enclosures.
- Type 806 and Type 906 Series - to secure Non-Metallic Sheathed Cable, Service Entrance Cable and Flexible Cords to boxes and enclosures.

Features

- Available with insulated throats.
- Furnished with locknuts.
- Male hub threads NPS.

Standard Materials

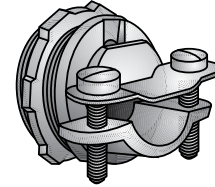
- Malleable iron

Standard Finishes

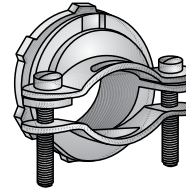
- Zinc Electroplated

NEC/CEC Certifications and Compliances

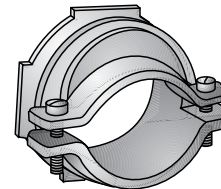
- UL Standard: ANSI/UL 514B
- UL Listed: E-11856
- UL Listed for 806, 906Z, 908, 909 for NM and SE Cables
- UL Listed: E-11858
- UL Listed for 806, 906Z for SE Cable
- C-11L - UL Listed E23237 for NM Cable
- CSA Standard C22.2 No. 18
- Fed. Spec: W-F-406E
- NEMA: FB-1



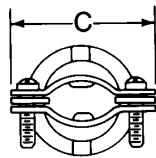
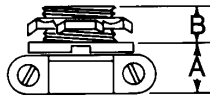
Type C-11LS



Type 806 — Type 908



Type 909



| Trade Size (Inches) | Clamp Opening | | Dimensions in Millimeters (Inches) | | | | Catalog Number | Insulated Throat Catalog Number |
|------------------------|---------------|--------------|------------------------------------|--------------|--------------|--------------|-------------------|--|
| | Min. | Max. | Width | A | B | C | | |
| 1/2 | 4.83 (0.19) | 16 (0.63) | — | 14.22 (0.56) | 11.18 (0.44) | 35.05 (1.38) | C-11LS ① | C-11LST ① |
| 3/4 | 9.4 (0.37) | 21.34 (0.84) | 21.34 (0.84) | 17.53 (0.69) | 11.18 (0.44) | 45.97 (1.81) | 806 | 806T |
| 1 | 10.67 (0.42) | 26.67 (1.05) | 26.67 (1.05) | 17.53 (0.69) | 14.22 (0.56) | 52.32 (2.06) | 906Z | 906T |
| 1-1/4 | 19.05 (0.75) | 34.04 (1.34) | 34.04 (1.34) | 20.57 (0.81) | 14.22 (0.56) | 61.98 (2.44) | 907 | 907T |
| 1-1/2 | 23.11 (0.91) | 36.83 (1.45) | 39.37 (1.55) | 22.35 (0.88) | 16 (0.63) | 69.85 (2.75) | 908 | 908T |
| 2 | 35.31 (1.39) | 51.56 (2.03) | 51.56 (2.03) | 23.88 (0.94) | 19.05 (0.75) | 85.85 (3.38) | 909 | 909T |

① Longer screw to accommodate extra flexible cables. Not CSA Certified.

Cable and Flexible Cord Connectors

For Non-Metallic Sheathed Flat Cable

Applications

- To secure Non-Metallic Sheathed Flat Cable, SE/SEU Flat Cable, and other oval (flat) non-metallic cables to boxes and enclosures.

Features

- 2-screw double clamp - open throat type.
- Furnished with locknut.
- Male hub threads - NPS.

Standard Materials

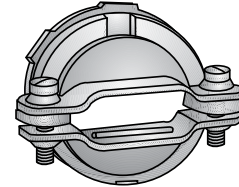
- Malleable iron

Standard Finishes

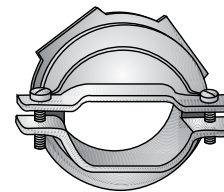
- Zinc Electroplated

NEC/CEC Certifications and Compliances

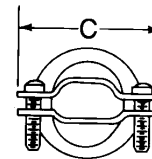
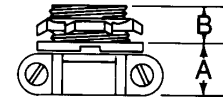
- UL Standard: ANSI/UL 514B
- UL Listed: E-11856
- CSA Standard C22.2 No. 18
- CSA Certified: 11584
- Fed. Spec: W-F-406E
- NEMA: FB-1



Type 806F — Type 908F



Type 909F



| Trade Size (Inches) | SEU Cable Range (Braid Neoprene and PVC Jacketed) | Dimensions in Millimeters (Inches) | | | Clamp Opening Range | | | Catalog Number |
|------------------------|---|------------------------------------|--------------|--------------|---------------------|--------------|--------------|-------------------|
| | | A | B | C | Min. | Max. | Width | |
| 3/4 | 3#10 to 3#6 | 17.53 (0.69) | 11.18 (0.44) | 45.97 (1.81) | 8.38 (0.33) | 20.83 (0.82) | 20.83 (0.82) | 806F ① |
| 1 | 3#10 to 3#2 | 17.53 (0.69) | 14.22 (0.56) | 52.32 (2.06) | 7.62 (0.3) | 26.92 (1.06) | 26.92 (1.06) | 906F |
| 1-1/4 | 3#3 to 3#1/0 | 20.57 (0.81) | 14.22 (0.56) | 61.98 (2.44) | 12.7 (0.5) | 34.29 (1.35) | 34.29 (1.35) | 907F |
| 1-1/2 | 3#1/0 to 3#3/0 | 22.35 (0.88) | 16 (0.63) | 69.85 (2.75) | 14.99 (0.59) | 28.19 (1.11) | 39.62 (1.56) | 908F |
| 2 | 3#2/0 to 3#4/0 | 23.88 (0.94) | 19.05 (0.75) | 85.85 (3.38) | 19.56 (0.77) | 28.96 (1.14) | 45.21 (1.78) | 909F |

① Longer screw to accommodate extra flexible cables. Not CSA Certified.

Combination Type Lugs

Type XLH

Features

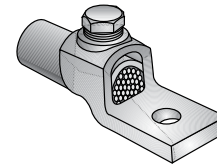
- Each fitting takes a range of cable sizes.
- Type XL and XLH are identical except that the type XL has a socket set screw, while the type XLH has a hex head screw. Both types are equipped with brass screws and brass or bronze pressure plates on XL011 and XLH011 and larger. Wide brass compression set screws, with rounded ends, covering the full width of the conductor cavity are used on the XL041.
- Castings are of high conductivity copper alloy and are so designed, that high clamping pressure can be exerted, and maximum surface contact is provided with the wires throughout the specified range.

Material:

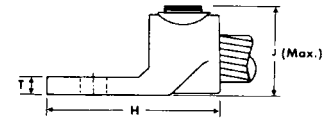
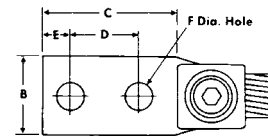
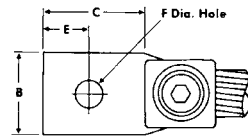
- Cast copper alloy body and brass screws

NEC/CEC Certifications and Compliances

- UL Standard: 486A
- UL Listed: E-7512
- Fed. Spec: W-S-610



Type XLH



Combination Type Lugs

Type XL and Type XLH

| XLH – Hex Head Screw | | | | | | | | | | | | |
|----------------------|------------------------------|------|--------------|------------------------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|-----------------|
| Catalog Number | Conductor Range AWG/kcmil | | No. of Holes | Dimensions in Millimeters (Inches) | | | | | | | | Hex Wrench Size |
| | Min. | Max. | | B | C | D | E | F | H | J | T | |
| XLH011 | 4 | 1 | 1 | 16 (0.63) | 19.05 (0.75) | | 9.65 (0.38) | 7.11 (0.28) | 39.62 (1.56) | 31.75 (1.25) | 5.59 (0.22) | ① |
| XLH012 | 4 | 1 | 2 | 16 (0.63) | 36.58 (1.44) | 19.05 (0.75) | 7.87 (0.31) | 7.11 (0.28) | 57.15 (2.25) | 31.75 (1.25) | 5.59 (0.22) | ① |
| XLH221 | 1 | 2/0 | 1 | 20.57 (0.81) | 23.88 (0.94) | | 11.18 (0.44) | 10.41 (0.41) | 47.75 (1.88) | 35.05 (1.38) | 6.35 (0.25) | 6.35 (0.25) |
| XLH222 | 1 | 2/0 | 2 | 20.57 (0.81) | 49.28 (1.94) | 25.4 (1) | 11.18 (0.44) | 10.41 (0.41) | 73.15 (2.88) | 35.05 (1.38) | 6.35 (0.25) | 6.35 (0.25) |
| XLH241 | 2/0 | 4/0 | 1 | 25.4 (1) | 20.57 (0.81) | | 14.22 (0.56) | 10.41 (0.41) | 57.15 (2.25) | 41.4 (1.63) | 7.11 (0.28) | 7.87 (0.31) |
| XLH242 | 2/0 | 4/0 | 2 | 25.4 (1) | 49.28 (1.94) | 25.4 (1) | 11.18 (0.44) | 10.41 (0.41) | 76.2 (3) | 41.4 (1.63) | 7.11 (0.28) | 7.87 (0.31) |
| XLH301 | 4/0 | 300 | 1 | 31.75 (1.25) | 36.58 (1.44) | | 17.53 (0.69) | 13.46 (0.53) | 66.8 (2.63) | 44.45 (1.75) | 7.11 (0.28) | 7.87 (0.31) |
| XLH302 | 4/0 | 300 | 2 | 31.75 (1.25) | 50.8 (2) | 25.4 (1) | 11.18 (0.44) | 10.41 (0.41) | 81.03 (3.19) | 44.45 (1.75) | 7.11 (0.28) | 7.87 (0.31) |
| XLH501 | 300 | 500 | 1 | 35.05 (1.38) | 41.4 (1.63) | | 20.57 (0.81) | 13.46 (0.53) | 76.2 (3) | 52.32 (2.06) | 9.65 (0.38) | 9.65 (0.38) |
| XLH502 | 300 | 500 | 2 | 35.05 (1.38) | 49.28 (1.94) | 25.4 (1) | 11.18 (0.44) | 10.41 (0.41) | 84.07 (3.31) | 52.32 (2.06) | 9.65 (0.38) | 9.65 (0.38) |
| XLH751 | 500 | 750 | 1 | 44.45 (1.75) | 50.8 (2) | | 25.4 (1) | 13.46 (0.53) | 93.73 (3.69) | 63.5 (2.5) | 10.41 (0.41) | 9.65 (0.38) |
| XLH752 | 500 | 750 | 2 | 44.45 (1.75) | 71.37 (2.81) | 1.50 | 16 (0.63) | 13.46 (0.53) | 114.3 (4.5) | 63.5 (2.5) | 10.41 (0.41) | 9.65 (0.38) |
| XLH921 | 750 | 1000 | 1 | 50.8 (2) | 57.15 (2.25) | | 28.7 (1.13) | 16.76 (0.66) | 107.95 (4.25) | 68.33 (2.69) | 11.18 (0.44) | 9.65 (0.38) |
| XLH922 | 750 | 1000 | 2 | 50.8 (2) | 69.85 (2.75) | 1.50 | 16 (0.63) | 13.46 (0.53) | 120.65 (4.75) | 68.33 (2.69) | 11.18 (0.44) | 9.65 (0.38) |

① Slotted Set Screw furnished for this size.

Combination "T" and Parallel Taps

Applications

- XTP - A combination connector for use as either a "T" or Parallel Tap, designed to take a wide range of wire sizes on main or tap.
- One piece construction eliminates detachable parts and permits easy assembly.

Features

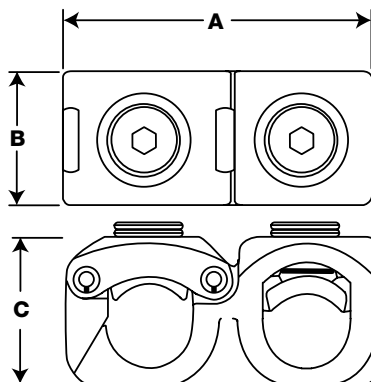
- Each fitting takes a range of cable sizes.
- Type XL and XLH are identical except that the type XL has a socket set screw, while the type XLH has a hex head screw. Both types are equipped with brass screws and brass or bronze pressure plates on XL011 and XLH011 and larger. Wide brass compression set screws, with rounded ends, covering the full width of the conductor cavity are used on the XL041.
- Castings are of high conductivity copper alloy and are so designed, that high clamping pressure can be exerted, and maximum surface contact is provided with the wires throughout the specified range.

Material:

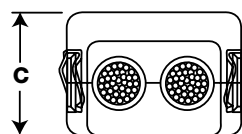
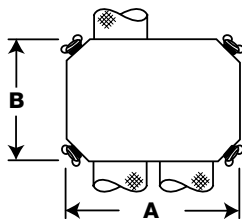
- XTP - High conductivity copper alloy body - Brass socket set screws with brass or copper alloy pressure plates
- XTPC - Canvas bakelite phenolic with stainless steel spring clips. No taping is required

NEC/CEC Certifications and Compliances

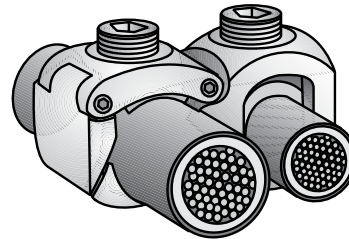
- UL Standard: 486A
- UL Listed: E-7512
- Fed. Spec: W-S-610



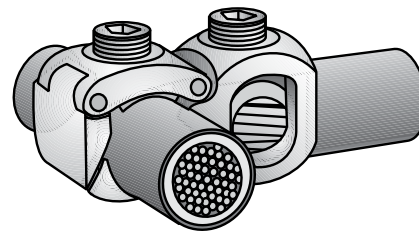
Type XTP Connector



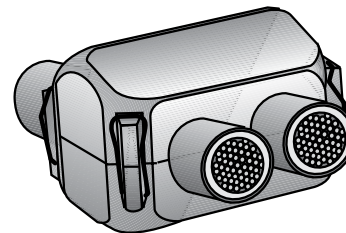
Type XTPC Cover



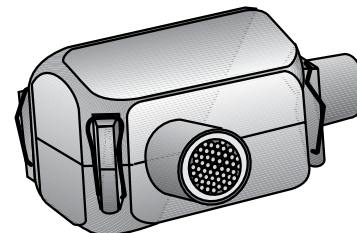
Type XTP as a Parallel Tap



Type XTP as a "T" Tap



Type XTPC Cover as a Parallel Tap



Type XTPC Cover as a "T" Tap

TO ORDER COVER SPECIFY:

- Catalog number.
- Outside diameter of cables.
- If covers are for "T" or parallel connection.

Combination "T" and Parallel Taps

| Type XTP | | | | | | |
|------------------------------|------------------------|----------------------------|------------------------------------|------------------------------|------------------------------|----------------------|
| Conductor Range AWG/kcmil | | Hex Wrench Size | Dimensions in Millimeters (Inches) | | | Catalog Number |
| Main | Tap | | A | B | C | |
| 4 to 1/0 | 8 to 4 4 to 1/0 | ① ① | 47.75 (1.88) 41.4 (1.63) | 22.35 (0.88) 22.35 (0.88) | 22.35 (0.88) 22.35 (0.88) | XTP-2104 XTP-2121 |
| 1/0 to 4/0 | 8 to 4 | 6.35 (0.25) | 54.1 (2.13) | 28.7 (1.13) | 31.75 (1.25) | XTP-2404 |
| | 4 to 1/0 | 6.35 (0.25) | 54.1 (2.13) | 28.7 (1.13) | 31.75 (1.25) | XTP-2421 |
| | 1/0 to 4/0 | 6.35 (0.25) | 60.45 (2.38) | 28.7 (1.13) | 31.75 (1.25) | XTP-2424 |
| 4/0 to 300 | 8 to 4 | 6.35 (0.25) | 57.15 (2.25) | 28.7 (1.13) | 35.05 (1.38) | XTP-3004 |
| | 4 to 1/0 | 6.35 (0.25) | 57.15 (2.25) | 28.7 (1.13) | 35.05 (1.38) | XTP-3021 |
| | 1/ t 4/0 4/0 to 300 | 6.35 (0.25) 7.87 (0.31) | 63.5 (2.5) 66.8 (2.63) | 28.7 (1.13) 31.75 (1.25) | 35.05 (1.38) 35.05 (1.38) | XTP-3024 XTP-3030 |
| 300 to 500 | 8 to 4 | 6.35 (0.25) | 63.5 (2.5) | 28.7 (1.13) | 41.4 (1.63) | XTP-5004 |
| | 4 to 1/0 | 6.35 (0.25) | 63.5 (2.5) | 28.7 (1.13) | 41.4 (1.63) | XTP-5021 |
| | 1/0 to 4/0 | 7.87 (0.31) | 69.85 (2.75) | 28.7 (1.13) | 41.4 (1.63) | XTP-5024 |
| 300 to 500 | 4/0 to 300 | 7.87 (0.31) | 73.15 (2.88) | 35.05 (1.38) | 41.4 (1.63) | XTP-5030 |
| | 300 to 500 | 9.65 (0.38) | 79.5 (3.13) | 35.05 (1.38) | 41.4 (1.63) | XTP-5050 |
| 500 to 750 | 4 to 1/0 | 6.35 (0.25) | 73.15 (2.88) | 28.7 (1.13) | 47.75 (1.88) | XTP-7521 |
| | 1/0 to 4/0 | 7.87 (0.31) | 79.5 (3.13) | 28.7 (1.13) | 47.75 (1.88) | XTP-7524 |
| | 4/0 to 300 | 7.87 (0.31) | 82.55 (3.25) | 41.4 (1.63) | 47.75 (1.88) | XTP-7530 |
| 500 to 750 | 300 to 500 | 9.65 (0.38) | 88.9 (3.5) | 41.4 (1.63) | 47.75 (1.88) | XTP-7550 |
| | 500 to 750 | 9.65 (0.38) | 95.25 (3.75) | 41.4 (1.63) | 47.75 (1.88) | XTP-7575 |
| 750 to 1000 | 4 to 1/0 | 6.35 (0.25) | 79.5 (3.13) | 28.7 (1.13) | 57.15 (2.25) | XTP-9221 |
| | 1/0 to 4/0 | 7.87 (0.31) | 85.85 (3.38) | 28.7 (1.13) | 57.15 (2.25) | XTP-9224 |
| | 4/0 to 300 | 7.87 (0.31) | 88.9 (3.5) | 35.05 (1.38) | 57.15 (2.25) | XTP-9230 |
| 750 to 1000 | 300 to 500 | 9.65 (0.38) | 92.2 (3.63) | 35.05 (1.38) | 57.15 (2.25) | XTP-9250 |
| | 500 to 750 | 9.65 (0.38) | 98.55 (3.88) | 50.8 (2) | 57.15 (2.25) | XTP-9275 |
| | 750 to 1000 | 9.65 (0.38) | 123.95 (4.88) | 50.8 (2) | 57.15 (2.25) | XTP-9292 |

| Type XPTC | | | | | | |
|------------------------------|---------------------------|------------------------------------|------------------------------|------------------------------|-------------------|------------------------|
| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | Catalog Number | |
| Main | Tap | A | B | C | | |
| 4 to 1/0 | 8 to 4 4 to 1/0 | 66.8 (2.63) 66.8 (2.63) | 44.45 (1.75) 44.45 (1.75) | 44.45 (1.75) 44.45 (1.75) | | XTPC-2104 XTPC-2121 |
| 1/0 to 4/0 | 8 to 4 | 73.15 (2.88) | 50.8 (2) | 50.8 (2) | | XTPC-2404 |
| | 4 to 1/0 | 73.15 (2.88) | 50.8 (2) | 50.8 (2) | | XTPC-2421 |
| | 1/0 to 4/0 | 73.15 (2.88) | 50.8 (2) | 50.8 (2) | | XTPC-2424 |
| 4/0 to 300 | 8 to 4 | 82.55 (3.25) | 54.1 (2.13) | 57.15 (2.25) | | XTPC-3004 |
| | 4 to 1/0 | 82.55 (3.25) | 54.1 (2.13) | 57.15 (2.25) | | XTPC-3021 |
| | 1/ 0 to 4/0 4/0 to 300 | 82.55 (3.25) 82.55 (3.25) | 54.1 (2.13) 54.1 (2.13) | 57.15 (2.25) 57.15 (2.25) | | XTPC-3024 XTPC-3030 |
| 300 to 500 | 8 to 4 | 101.6 (4) | 63.5 (2.5) | 69.85 (2.75) | | XTPC-5004 |
| | 4 to 1/0 | 101.6 (4) | 63.5 (2.5) | 69.85 (2.75) | | XTPC-5021 |
| | 1/0 to 4/0 | 101.6 (4) | 63.5 (2.5) | 69.85 (2.75) | | XTPC-5024 |
| 300 to 500 | 4/0 to 300 | 101.6 (4) | 63.5 (2.5) | 69.85 (2.75) | | XTPC-5030 |
| | 300 to 500 | 101.6 (4) | 63.5 (2.5) | 69.85 (2.75) | | XTPC-5050 |
| 500 to 750 | 4 to 1/0 | 117.6 (4.63) | 69.85 (2.75) | 73.15 (2.88) | | XTPC-7521 |
| | 1/0 to 4/0 | 117.6 (4.63) | 69.85 (2.75) | 73.15 (2.88) | | XTPC-7524 |
| | 4/0 to 300 | 117.6 (4.63) | 69.85 (2.75) | 73.15 (2.88) | | XTPC-7530 |
| 500 to 750 | 300 to 500 | 117.6 (4.63) | 69.85 (2.75) | 73.15 (2.88) | | XTPC-7550 |
| | 500 to 750 | 117.6 (4.63) | 69.85 (2.75) | 73.15 (2.88) | | XTPC-7575 |
| 750 to 1000 | 4 to 1/0 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9221 |
| | 1/0 to 4/0 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9224 |
| | 4/0 to 300 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9230 |
| 750 to 1000 | 300 to 500 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9250 |
| | 500 to 750 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9275 |
| | 750 to 1000 | 130.3 (5.13) | 79.5 (3.13) | 79.5 (3.13) | | XTPC-9292 |

① Slotted Set Screws furnished for this size.

Combination Type Parallel Gutter Taps

Applications

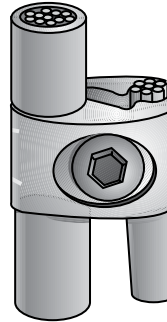
- The Type PMX Combination parallel gutter taps are designed to take a wide range of wire sizes on the main and tap.

Standard Materials

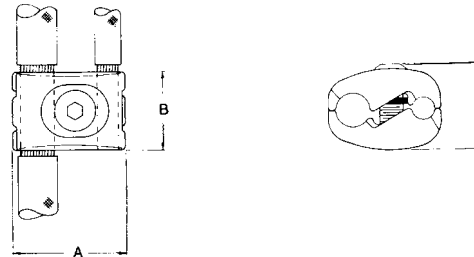
- Connector body parts are high strength cast silicon bronze. Parts are assembled with steel socket head screw.

NEC/CEC Certifications and Compliances

- UL Standard: 486A
- UL Listed: E-7512
- Fed. Spec: W-S-610



Type PMX-0404



| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------------|-------------|------------------------------------|--------------|--------------|-------------------|
| Main | Tap | A | B | C | |
| 10 Sol. - 4 | 10 Sol. - 4 | 26.92 (1.06) | 19.05 (0.75) | 23.88 (0.94) | PMX-0404 |

Combination Type Parallel Gutter Taps

| Conductor Range | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|-----------------|-------------|------------------------------------|--------------|--------------|-----------------|----------------|
| AWG/kcmil | | A | B | C (max.) | | |
| Main | Tap | | | | | |
| 10 Sol - 4 | 10 Sol. - 4 | 26.92 (1.06) | 19.05 (0.75) | 23.88 (0.94) | PMX-0404 | |
| 2 - 1/0 | 10 Sol. - 4 | 31.75 (1.25) | 20.57 (0.81) | 23.88 (0.94) | PMX-2104 | |
| 2 - 1/0 | 2 - 1/0 | 35.05 (1.38) | 20.57 (0.81) | 23.88 (0.94) | PMX-2121 | |
| 2/0 - 4/0 | 10 Sol. - 4 | 35.05 (1.38) | 20.57 (0.81) | 23.88 (0.94) | PMX-2404 | |
| 2/0 - 4/0 | 2 - 1/0 | 38.1 (1.5) | 20.57 (0.81) | 25.4 (1) | PMX-2421 | |
| 2/0 - 4/0 | 2/0 - 4/0 | 41.4 (1.63) | 20.57 (0.81) | 17.53 (0.69) | PMX-2424 | |
| 2/0 - 250 | 10 Sol. - 4 | 36.58 (1.44) | 20.57 (0.81) | 23.88 (0.94) | PMX-2504 | |
| 250 to 350 | 10 Sol. - 4 | 22.35 (0.88) | 44.45 (1.75) | 47.75 (1.88) | PMX-3504 | |
| | 2 - 1/0 | 22.35 (0.88) | 44.45 (1.75) | 50.8 (2) | PMX-3521 | |
| | 2/0 - 4/0 | 22.35 (0.88) | 44.45 (1.75) | 54.1 (2.13) | PMX-3524 | |
| 350 to 500 | 250 - 350 | 22.35 (0.88) | 44.45 (1.75) | 57.15 (2.25) | PMX-3535 | |
| | 10 Sol. - 4 | 25.4 (1) | 49.28 (1.94) | 54.1 (2.13) | PMX-5004 | |
| | 2 - 1/0 | 25.4 (1) | 49.28 (1.94) | 57.15 (2.25) | PMX-5021 | |
| | 2/0 - 4/0 | 25.4 (1) | 49.28 (1.94) | 58.67 (2.31) | PMX-5024 | |
| 600 to 750 | 250 - 350 | 25.4 (1) | 50.8 (2) | 65.02 (2.56) | PMX-5035 | |
| | 350 - 500 | 25.4 (1) | 50.8 (2) | 66.8 (2.63) | PMX-5050 | |
| | 2 - 1/0 | 26.92 (1.06) | 58.67 (2.31) | 65.02 (2.56) | PMX-7521 | |
| | 2/0 - 4/0 | 26.92 (1.06) | 58.67 (2.31) | 66.8 (2.63) | PMX-7524 | |
| | 250 - 350 | 26.92 (1.06) | 58.67 (2.31) | 73.15 (2.88) | PMX-7535 | |
| 800 to 1000 | 350 - 500 | 26.92 (1.06) | 58.67 (2.31) | 76.2 (3) | PMX-7550 | |
| | 600 - 750 | 26.92 (1.06) | 58.67 (2.31) | 81.03 (3.19) | PMX-7575 | |
| | 2/0 - 4/0 | 28.7 (1.13) | 68.33 (2.69) | 74.68 (2.94) | PMX-9224 | |
| | 250 - 350 | 28.7 (1.13) | 68.33 (2.69) | 79.5 (3.13) | PMX-9235 | |
| | 350 - 500 | 28.7 (1.13) | 68.33 (2.69) | 81.03 (3.19) | PMX-9250 | |
| 800 to 1000 | 600 - 750 | 28.7 (1.13) | 68.33 (2.69) | 87.38 (3.44) | PMX-9275 | |
| | 800 - 1000 | 28.7 (1.13) | 68.33 (2.69) | 87.38 (3.44) | PMX-9292 | |

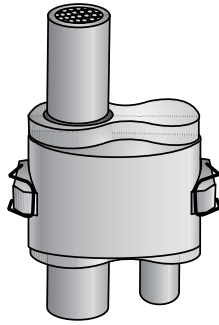
Insulating Covers for Type PMX Solderless Connectors

Applications

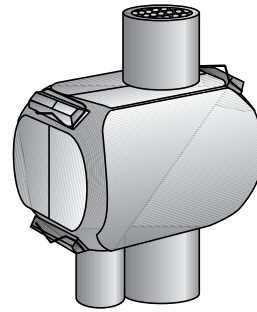
- Type PMXC Covers are made of molded phenolic which has high dielectric and mechanical strength and will not support combustion. They are fastened together by stainless steel spring clips making a compact installation which requires no taping. Split neoprene rings bonded into the cover on PMXC-0404 through PMXC-2424 provide a snug fit over wire insulation for the wide range of wire sizes shown and keep out dust and foreign matter.

NEC/CEC Certifications and Compliances

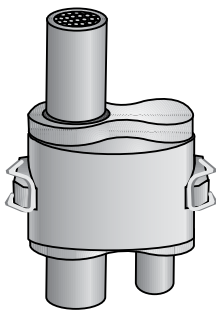
- UL Listed: E-7512
- UL Voltage Rating on covers is 300V. maximum on PMXC-0404 through PMXC-2504.
- 600V. maximum on PMXC-3504 through PMXC-9292.
- UL operating temperature limit on covers is 150°C.



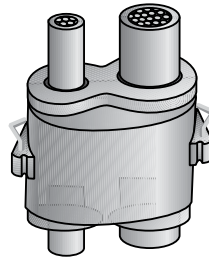
Type PMXC-0404 — Type PMXC-2504
Covers



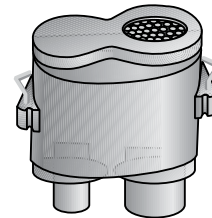
Type PMXC-3504 — Type PMXC-9292
Covers



Thru Main to
Dead End Tap



Thru Main to
Thru Tap

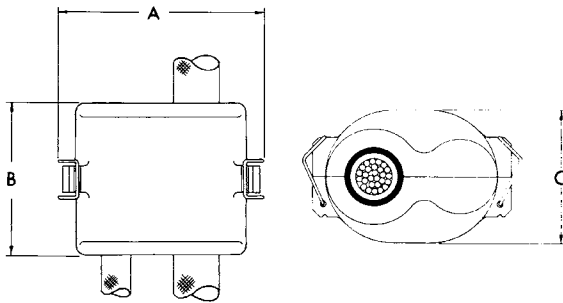


Dead End Main to Dead End Tap

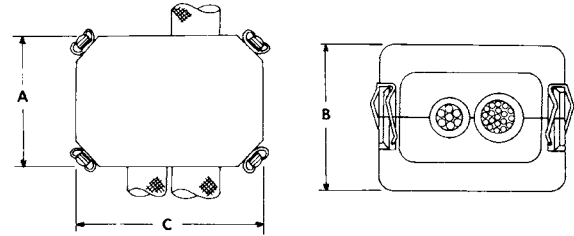
TO ORDER COVER SPECIFY:

- Catalog Number
- Cable O.D.
- Size of Conductors
- Main: Thru or Dead End
- Tap: Thru or Dead End

Insulating Covers for Type PMX Solderless Connectors



Type PMXC-0404 — Type PMXC-2504



Type PMXC-3504 — Type PMXC-9292

| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) (max) | | | Catalog Number |
|------------------------------|-------------|---|--------------|------------------|-------------------|
| Main | Tap | A | B | C | |
| 10 Sol - 4 | 10 Sol. - 4 | 44.45 (1.75) | 23.88 (0.94) | 31.75 (1.25) | PMXC-0404 |
| 2 - 1/0 | 10 Sol. - 4 | 47.75 (1.88) | 36.58 (1.44) | 31.75 (1.25) | PMXC-2104 |
| 2 - 1/0 | 2 - 1/0 | 52.32 (2.06) | 36.58 (1.44) | 23.88 (0.94) | PMXC-2121 |
| 2/0 - 4/0 | 10 Sol. - 4 | 52.32 (2.06) | 36.58 (1.44) | 31.75 (1.25) | PMXC-2404 |
| 2/0 - 4/0 | 2 - 1/0 | 55.63 (2.19) | 36.58 (1.44) | 23.88 (0.94) | PMXC-2421 |
| 2/0 - 4/0 | 2/0 - 4/0 | 58.67 (2.31) | 36.58 (1.44) | 23.88 (0.94) | PMXC-2424 |
| 2/0 - 250 | 10 Sol. - 4 | 52.32 (2.06) | 36.58 (1.44) | 31.75 (1.25) | PMXC-2504 |
| 250 to 350 | 10 Sol. - 4 | 44.45 (1.75) | 57.15 (2.25) | 65.02 (2.56) | PMXC-3504 |
| | 2 - 1/0 | 44.45 (1.75) | 57.15 (2.25) | 65.02 (2.56) | PMXC-3521 |
| | 2/0 - 4/0 | 50.8 (2) | 57.15 (2.25) | 73.15 (2.88) | PMXC-3524 |
| 350 to 500 | 250 - 350 | 50.8 (2) | 57.15 (2.25) | 73.15 (2.88) | PMXC-3535 |
| | 10 Sol. - 4 | 50.8 (2) | 57.15 (2.25) | 73.15 (2.88) | PMXC-5004 |
| | 2 - 1/0 | 50.8 (2) | 57.15 (2.25) | 73.15 (2.88) | PMXC-5021 |
| | 2/0 - 4/0 | 50.8 (2) | 57.15 (2.25) | 73.15 (2.88) | PMXC-5024 |
| 600 to 750 | 250 - 350 | 54.1 (2.13) | 68.33 (2.69) | 82.55 (3.25) | PMXC-5035 |
| | 350 - 500 | 54.1 (2.13) | 68.33 (2.69) | 82.55 (3.25) | PMXC-5050 |
| | 2 - 1/0 | 54.1 (2.13) | 68.33 (2.69) | 82.55 (3.25) | PMXC-7521 |
| | 2/0 - 4/0 | 54.1 (2.13) | 68.33 (2.69) | 82.55 (3.25) | PMXC-7524 |
| | 250 - 350 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-7535 |
| 800 to 1000 | 350 - 500 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-7550 |
| | 600 - 750 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-7575 |
| | 2/0 - 4/0 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-9224 |
| | 250 - 350 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-9235 |
| | 350 - 500 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-9250 |
| 600 - 750 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-9275 | |
| 800 - 1000 | 63.5 (2.5) | 85.85 (3.38) | 101.6 (4) | PMXC-9292 | |

Combination Type Two–Way Connectors

Type XW: Connector, Type XWC: Cover

Applications

- Combination two way connectors are used to join two cables of the same size, or varying sizes, within the conductor range of each connector.

Features

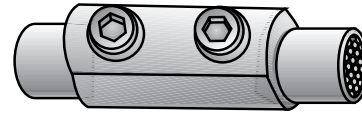
- Wide brass compression set screws, with rounded ends, covering the full width of the conductor cavity, are used on XW0404. Larger sizes are furnished with brass screws and brass or bronze pressure plates.
- Castings are of high conductivity copper alloy and are so designed that high clamping pressure can be exerted. Maximum contact surface is provided with the wires throughout the specified range.
- The two piece Canvas Bakelite Cover is quickly assembled with stainless steel spring clips, making a neat compact installation of high mechanical and dielectric strength, without the use of tape.

Material

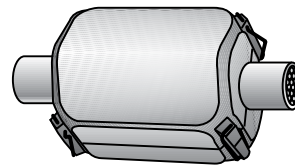
- XW - Cast copper alloy body, brass screws with brass or copper alloy pressure plates
- XWC - Canvas bakelite phenolic with stainless steel spring clips.

NEC/CEC Certifications and Compliances

- UL Listed: E-7512
- UL operating temperature limit 150°C. Covers listed for use up to and including 600 volts.
- UL Standard: 486A
- Fed. Spec: W-S-610



Type XW Connector



Type XWC Cover

TO ORDER COVER SPECIFY:

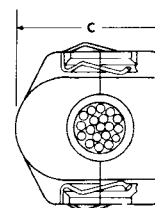
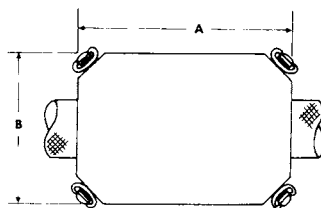
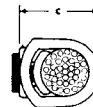
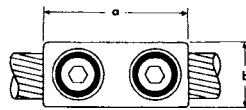
- Catalog Number
- When covers are ordered specify outside diameter of cable over insulation.

Combination Type Two-Way Connectors

Type XW: Connector, Type XWC: Cover

| Conductor Range Either End AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Hex Wrench Size | Connector Catalog Number |
|--|---------|------------------------------------|--------------|--------------|-------------|-----------------|--------------------------------|
| Minimum | Maximum | a | b | c | | | |
| 8 Sol. | 4 | 31.75 (1.25) | 11.18 (0.44) | 14.22 (0.56) | * | XW0404 | |
| 4 | 1 | 42.93 (1.69) | 14.22 (0.56) | 20.57 (0.81) | * | XW0101 | |
| 1 | 2/0 | 49.28 (1.94) | 17.53 (0.69) | 25.4 (1) | 6.35 (0.25) | XW2222 | |
| 2/0 | 4/0 | 55.63 (2.19) | 22.35 (0.88) | 28.7 (1.13) | 7.87 (0.31) | XW2424 | |
| 4/0 | 300 | 63.5 (2.5) | 25.4 (1) | 31.75 (1.25) | 7.87 (0.31) | XW3030 | |
| 300 | 500 | 69.85 (2.75) | 31.75 (1.25) | 38.1 (1.5) | 9.65 (0.38) | XW5050 | |
| 500 | 750 | 82.55 (3.25) | 38.1 (1.5) | 44.45 (1.75) | 9.65 (0.38) | XW7575 | |
| 750 | 1000 | 95.25 (3.75) | 42.93 (1.69) | 50.8 (2) | 9.65 (0.38) | XW9292 | |

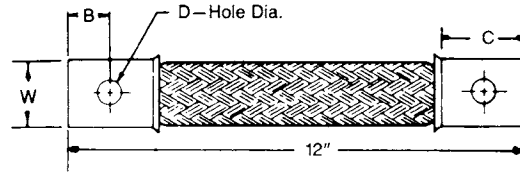
| Conductor Range Either End AWG/kcmil | | Dimensions in Millimeters (Inches) | | | Connector Catalog Number |
|--|---------|------------------------------------|--------------|--------------|--------------------------------|
| Minimum | Maximum | A | B | C | |
| 8 Sol. | 4 | 50.8 (2) | 33.27 (1.31) | 23.88 (0.94) | XWC0404 |
| 4 | 1 | 65.02 (2.56) | 44.45 (1.75) | 44.45 (1.75) | XWC0101 |
| 1 | 2/0 | 65.02 (2.56) | 44.45 (1.75) | 44.45 (1.75) | XWC2222 |
| 2/0 | 4/0 | 73.15 (2.88) | 50.8 (2) | 50.8 (2) | XWC2424 |
| 4/0 | 300 | 82.55 (3.25) | 54.1 (2.13) | 57.15 (2.25) | XWC3030 |
| 300 | 500 | 101.6 (4) | 63.5 (2.5) | 68.33 (2.69) | XWC5050 |
| 500 | 750 | 117.6 (4.63) | 68.33 (2.69) | 71.37 (2.81) | XWC7575 |
| 750 | 1000 | 130.3 (5.13) | 77.72 (3.06) | 79.5 (3.13) | XWC9292 |



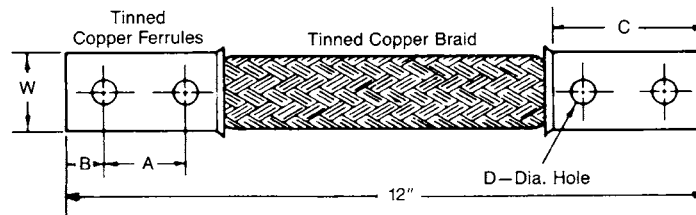
Flexible Braid Connectors

Standard Material:

- Tinned Copper



Type FB-50-03-1 — Type FB-150-05-2



Type FB-200-07-01 — Type FB-1500-20-3

| Ratings In Amps | Holes in Ferrule | Braids in Ferrule | W Width | Thick. of Ferrule | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|--------------------|---------------------|----------------------|--------------|----------------------|------------------------------------|--------------|--------------|--------------|-------------------|
| | | | | | A | B | C | D | |
| 50 | 1 | 1 | 9.65 (0.38) | 1.52 (0.06) | — | 7.87 (0.31) | 16 (0.63) | 5.08 (0.2) | FB-50-03-1 |
| 100 | 1 | 1 | 12.7 (0.5) | 2.29 (0.09) | — | 9.65 (0.38) | 19.05 (0.75) | 6.86 (0.27) | FB-100-05-1 |
| 150 | 1 | 2 | 12.7 (0.5) | 3.3 (0.13) | — | 9.65 (0.38) | 19.05 (0.75) | 6.86 (0.27) | FB-150-05-2 |
| 200 | 2 | 1 | 19.05 (0.75) | 3.3 (0.13) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 9.65 (0.38) | FB-200-07-1 |
| 250 | 2 | 1 | 22.35 (0.88) | 4.06 (0.16) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 9.65 (0.38) | FB-250-08-1 |
| 300 | 2 | 1 | 25.4 (1) | 4.83 (0.19) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-300-10-1 |
| 300 | 2 | 1 | 38.1 (1.5) | 4.06 (0.16) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-300-15-1 |
| 300 | 2 | 1 | 50.8 (2) | 4.83 (0.19) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-300-20-1 |
| 400 | 2 | 2 | 25.4 (1) | 6.35 (0.25) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-400-10-2 |
| 400 | 2 | 2 | 38.1 (1.5) | 5.59 (0.22) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-400-15-2 |
| 400 | 2 | 1 | 50.8 (2) | 5.59 (0.22) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-400-20-1 |
| 500 | 2 | 1 | 38.1 (1.5) | 5.59 (0.22) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-500-15-1 |
| 500 | 2 | 1 | 50.8 (2) | 5.59 (0.22) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-500-20-1 |
| 600 | 2 | 1 | 38.1 (1.5) | 7.87 (0.31) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-600-15-1 |
| 600 | 2 | 1 | 50.8 (2) | 7.87 (0.31) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-600-20-1 |
| 700 | 2 | 2 | 50.8 (2) | 7.87 (0.31) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-700-20-2 |
| 800 | 2 | 2 | 50.8 (2) | 8.64 (0.34) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-800-20-2 |
| 900 | 2 | 2 | 50.8 (2) | 9.65 (0.38) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-900-20-2 |
| 1000 | 2 | 3 | 50.8 (2) | 11.18 (0.44) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1000-20-3 |
| 1100 | 2 | 4 | 50.8 (2) | 11.18 (0.44) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1100-20-4 |
| 1200 | 2 | 4 | 50.8 (2) | 12.7 (0.5) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1200-20-4 |
| 1300 | 2 | 4 | 50.8 (2) | 16 (0.63) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1300-20-4 |
| 1400 | 2 | 4 | 50.8 (2) | 16 (0.63) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1400-20-4 |
| 1500 | 2 | 3 | 50.8 (2) | 19.05 (0.75) | 38.1 (1.5) | 19.05 (0.75) | 76.2 (3) | 11.18 (0.44) | FB-1500-20-3 |

Cable Tray Ground Clamp

Applications

- Terminates ground wire to cable tray.

Features

- For aluminum or copper conductors.
- 1/4" hex wrench tightens both tray and conductor set screws.
- Tray-gripping serrations bite through insulating oxide on surface of aluminum tray.
- For 1/2" max. straight tray rail, or 1/4" 90° tray rail.
- Conductor size #6 to 250 MCM

Standard Materials

- Clamp - extruded aluminum
- Screws - steel

Standard Finishes

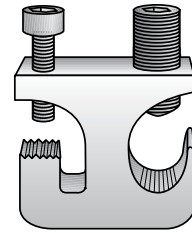
- Clamp - tin plated
- Screws - zinc electroplated

Options

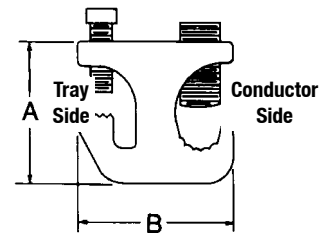
Stainless steel screws are available - add suffix **SS**

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 009795
- For copper conductors only



Type CTGC



| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | Catalog Number |
|------------------------------|------|------------------------------------|--------------|-------------------|
| Min. | Max. | A | B | |
| 6 | 250 | 50.8 (2) | 44.45 (1.75) | CTGC-6-25A |

Ground Rod Clamps

Commodity Grade

Applications

- To ground a conductor to a driven ground rod.

Features

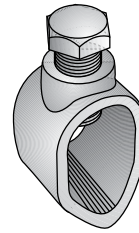
- High strength cast bronze.
- Suitable for direct burial and wet locations.

Standard Materials

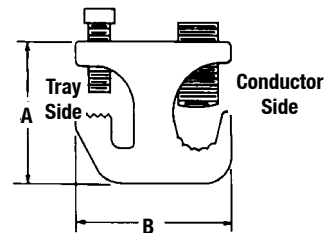
- Cast bronze

NEC/GEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- CSA Certified: 057250
- NEMA: FB-1



Type GRC



| Ground Rod Size Inches | Screw Thread Size (UNC-2A) | Conductor Range AWG | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|----------------------------|---------------------|------|------------------------------------|----------------------------|--------------|----------------|
| | | Min. | Max. | Max. Height | Max. Width Across Open End | Side Length | |
| 1/2 | 3/8 - 16 | 10 | 2 | 45.97 (1.81) | 20.57 (0.81) | 23.88 (0.94) | GRC-50-02B |
| 5/8 | 3/8 - 16 | 10 | 2 | 47.75 (1.88) | 23.88 (0.94) | 16 (0.63) | GRC-62-02B |
| 5/8 | 3/8 - 16 | 8 | 1/0 | 49.28 (1.94) | 22.35 (0.88) | 25.4 (1) | GRC-62-10B |
| 3/4 | 3/8 - 16 | 8 | 1/0 | 55.63 (2.19) | 26.92 (1.06) | 28.7 (1.13) | GRC-75-10B |

Universal Ground Clamp System

Applications

- For connecting grounding conductors to cold water ground pipe in sizes 1 1/4" through 12".

Features

- Standard built-in ground wire connector for #8 Sol. through #2 Str. AWG wire.
- Cast Bronze clamps are suitable for direct burial and wet locations.

Standard Materials

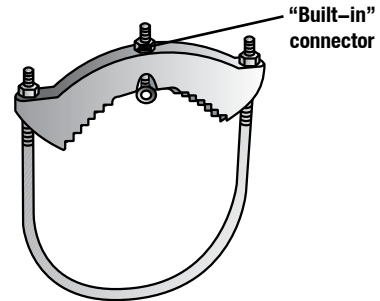
- Catalog Numbers with suffix "G" - malleable iron
- Catalog Numbers with suffix "B" - bolts and nuts - steel
- Catalog Numbers with suffix "B" - cast bronze

Standard Finishes

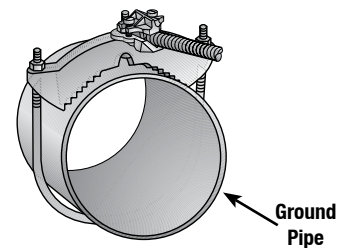
- Catalog Numbers with suffix "G" - Hot dip galvanized
- Catalog Numbers with suffix "B" - bolts and nuts - silicon bronze

NEC/CEC Certifications and Compliances

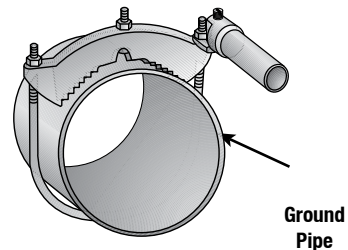
- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed. Spec: W-F-406E



Type G



Type G with Type GWA
Armor Ground Wire Connector



Type G with Type GH
Ground Hub

| Nominal Size | Dimensions in Millimeters (Inches) | | | | | | Malleable Iron Catalog Number | Cast Bronze Catalog Number |
|---------------|--|---------------|--------------|----------------|----------------|-------------|-------------------------------|----------------------------|
| | Ground Pipe Size Dimensions in Millimeters (Inches) O.D. Range | | Thk. | Width | Height Max. | U-Bolt | | |
| | Min. | Max. | | | | | | |
| 1-1/4—1-1/2—2 | 42.16 (1.66) | 60.45 (2.38) | 22.35 (0.88) | 92.2 (3.63) | 117.6 (4.63) | 7.87 (0.31) | G-200G | G-200B |
| 2-1/2—3—3-1/2 | 73.15 (2.88) | 101.6 (4) | 22.35 (0.88) | 133.35 (5.25) | 163.58 (6.44) | 7.87 (0.31) | G-350G | G-350B |
| 4—4 1/2—5 | 114.3 (4.5) | 141.22 (5.56) | 22.35 (0.88) | 172.97 (6.81) | 203.2 (8) | 7.87 (0.31) | G-500G | G-500B |
| 6 | 152.4 (6) | 180.34 (7.1) | 22.35 (0.88) | 212.85 (8.38) | 242.82 (9.56) | 7.87 (0.31) | G-600G | G-600B |
| 8 | 203.2 (8) | 236.22 (9.3) | 22.35 (0.88) | 270 (10.63) | 299.97 (11.81) | 7.87 (0.31) | G-800G | G-800B |
| 10 | 254 (10) | 289.56 (11.4) | 22.35 (0.88) | 323.85 (12.75) | 354.08 (13.94) | 7.87 (0.31) | G-1000G | G-1000B |
| 12 | 304.8 (12) | 342.9 (13.5) | 22.35 (0.88) | 376.17 (14.81) | 406.4 (16) | 7.87 (0.31) | G-1200G | G-1200B |

Universal Ground Clamp System

Applications

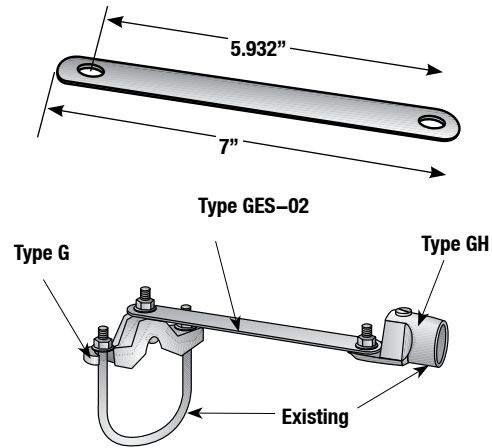
- To provide flexible connection between ground hub and universal clamp.

Standard Materials

- Copper

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard: C22.2 No. 41
- Fed. Spec: W-F-406E



Type GES-02 between Hub and Ground Clamp

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|------------------|----------|-------------|-------------|-----------------------|----------------|
| Number of Straps (Required) | Mounting Centers | Width. | Strap Holes | Thickness | Max. Ground Wire Size | Catalog Number |
| 1 | 6 | 25.4 (1) | 8.64 (0.34) | 1.52 (0.06) | 2 AWG/kcmil | GES-02 |
| 2 | 6 | 25.4 (1) | 8.64 (0.34) | 1.52 (0.06) | 2/0 AWG/kcmil | G-350G |
| 3 | 6 | 25.4 (1) | 8.64 (0.34) | 1.52 (0.06) | 3/0 AWG/kcmil | G-500G |
| 4 | 6 | 25.4 (1) | 8.64 (0.34) | 1.52 (0.06) | 250 AWG/kcmil | G-600G |

Universal Ground Clamp Accessories

Applications

- For use with the universal ground clamps to connect grounding conductors run bare, in armor, or in conduit. Fits all basic ground clamp systems.

Standard Materials

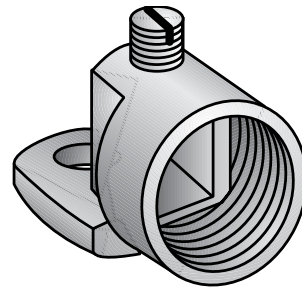
- Type GH-G - Malleable Iron, steel screws
- Type GH-B - cast bronze, brass screws
- Type GWA - cast bronze, silicon bronze screws
- Type GWD - cast bronze, brass screws

Standard Finishes

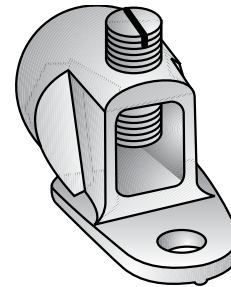
- Type GH-G - hot dip galvanized, steel screws - zinc electroplated

NEC/CEC Certifications and Compliances

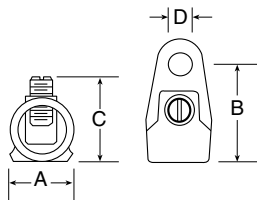
UL Standard: 514A
UL Listed: E24264
Fed. Spec: W-F-406E



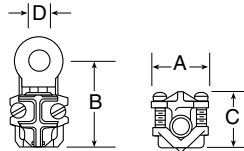
Type GH-G
Malleable Iron – Hot Dip Galvanized



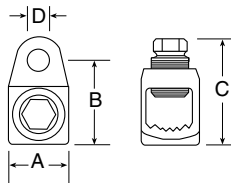
Type GH-B
Cast Bronze



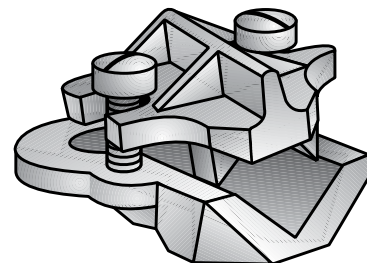
Type GH



Type GWA



Type GWD



Type GWA
Cast Bronze

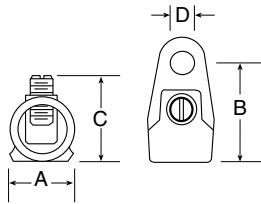


Type GWD
Cast Bronze

Universal Ground Clamp Accessories

| Trade Size (Inches) | Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Malleable Iron Catalog Number | Cast Bronze Catalog Number |
|---------------------|---------------------------|------|------------------------------------|---|--------|---|-------------------------------|----------------------------|
| | Min. | Max. | A | B | Max. C | D | | |

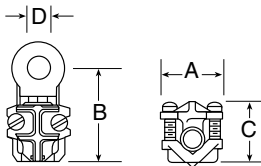
GROUND HUBS



| | | | | | | | | |
|-------|-----|-----|--------------|--------------|--------------|-------------|----------------|----------------|
| 1/2 | 8 | 2 | 25.4 (1) | 38.1 (1.5) | 35.05 (1.38) | 9.65 (0.38) | GH-50G | GH-50B |
| 3/4 | 4 | 2/0 | 31.75 (1.25) | 47.75 (1.88) | 42.93 (1.69) | 9.65 (0.38) | GH-75G | GH-75B |
| 1 | 1 | 250 | 38.1 (1.5) | 54.1 (2.13) | 55.63 (2.19) | 9.65 (0.38) | GH-100G | GH-100B |
| 1-1/4 | 4/0 | 500 | 47.75 (1.88) | 63.5 (2.5) | 68.33 (2.69) | 9.65 (0.38) | GH-125G | GH-125B |

| Conductor Range AWG/kcmil | Dimensions in Millimeters (Inches) | | | | | | | Catalog Number |
|---------------------------|------------------------------------|------|-----------------|---|---|--------|---|----------------|
| | Min. | Max. | Max. Armor Dia. | A | B | Max. C | D | |

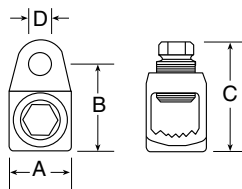
ARMORED GROUND WIRE CONNECTOR



| | | | | | | | |
|--------|--------|-------------|-------------|--------------|--------------|-------------|----------------|
| 8 Sol. | 4 Str. | 10.16 (0.4) | 28.7 (1.13) | 39.62 (1.56) | 26.92 (1.06) | 9.65 (0.38) | GWA-04B |
|--------|--------|-------------|-------------|--------------|--------------|-------------|----------------|

| Conductor Range AWG/kcmil | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|---------------------------|------------------------------------|------|---|---|--------|----------------|
| | Min. | Max. | A | B | C Max. | |

BARE OR INSULATED WIRE DEAD END TERMINAL HUB



| | | | | | | | |
|-------------|--|--|--------------|--------------|--------------|-------------|----------------|
| 1 250 Mcm | | | 49.28 (1.94) | 31.75 (1.25) | 44.45 (1.75) | 9.65 (0.38) | GWD-25B |
| 4/0 500 Mcm | | | 28.7 (1.13) | 41.4 (1.63) | 54.1 (2.13) | 9.65 (0.38) | GWD-50B |

Pipe Ground Clamps

Commodity Grade

Applications

- To ground a conductor to metallic pipe, tubing or ground rod.

Features

- High strength cast copper alloy.
- Screws electroplated to resist corrosion.
- GC: Bare wire clamp from #10 solid to #3 stranded AWG.
- GCA: Armored cable or rigid conduit clamp from #8 solid to #4 stranded AWG.
- GCH: Rigid conduit clamp from #10 solid #4 stranded AWG.
- GCA, GCH and GC-100-02B are reversible for attachment to ground rods.

Standard Materials

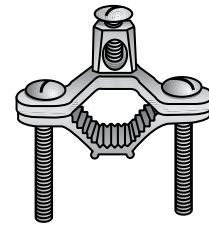
- Casting - copper alloy
- Screws - steel

Standard Finishes

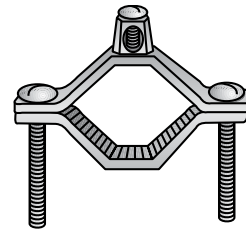
- Copper alloy - natural finish
- Screws - zinc electroplated

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- CSA Certified: 057250
- Fed. Spec: W-F-406E
- Nema: FB-1



Type GC-100-02B



Type GC-200-02B



Type GCA-100-04B



Type GCH-100-50-04B

| Ground Pipe Size Inches | Conductor Range AWG | | Conduit Hub Size Inches | Dimensions in Millimeters (Inches) | | | Top of Pipe to Top of Fitting | Catalog Number |
|-------------------------|---------------------|------|-------------------------|------------------------------------|--------------|--------------|-------------------------------|----------------|
| | Min. | Max. | | Height | Width | Clamp Width | | |
| 1/2 - 1 | 10 | 2 | — | 63.5 (2.5) | 58.67 (2.31) | 17.53 (0.69) | — | GC-100-02B |
| 1-1/4 - 2 | 10 | 2 | — | 87.38 (3.44) | 92.2 (3.63) | 20.57 (0.81) | — | GC-200-02B |
| 1/2 - 1 | 8 | 4 | — | 63.5 (2.5) | 60.45 (2.38) | 17.53 (0.69) | — | GCA-100-04B |
| 1/2 - 1 | 10 | 4 | 1/2 | 69.85 (2.75) | 60.45 (2.38) | 17.53 (0.69) | 41.4 (1.63) | GCH-100-50-04B |

All Copper Alloy Ground Connectors

Specification Grade

Applications

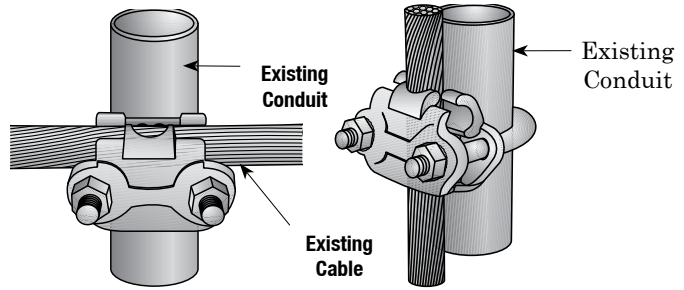
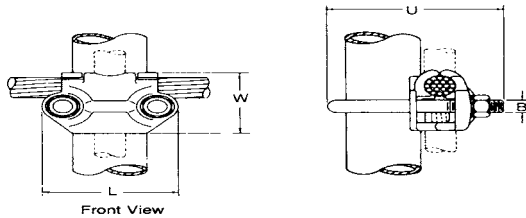
- For cable connection parallel or at right angles to pipe or rod.

Features

- A high strength corrosion-resistant copper alloy ground connector connecting a ground wire either parallel or at right angles to a ground rod or pipe.
- A positive ground is assured by the clamping pressure that can be applied by the high strength silicon bronze U-bolt, nuts and lock washers.
- Type ABG connectors are suitable for direct burial.
- For ground pipe larger than 1 1/2" use Type CG Ground Connector.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- CSA Certified: 015978
- Nema: FB-1



Type ABG at Right Angles

Type ABG Parallel

| Driven (In.) | | Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|--------------------|---------------------|------------------------------|------|------------------------------------|--------------|---------------|-------------|-------------------|
| Ground Rod Size | Ground Pipe Size | Min. | Max. | L | W | U | B | |
| 1/2 | 1/4 | 8 | 4 | 30.23 (1.19) | 33.27 (1.31) | 50.8 (2) | 9.65 (0.38) | ABG-0204 |
| 1/2 | 1/4 | 4 | 2/0 | 30.23 (1.19) | 38.1 (1.5) | 57.15 (2.25) | 9.65 (0.38) | ABG-0222 |
| 5/8 or 3/4 | 3/8 | 8 | 4 | 50.8 (2) | 33.27 (1.31) | 54.1 (2.13) | 9.65 (0.38) | ABG-0304 |
| 5/8 or 3/4 | 3/8 | 4 | 2/0 | 50.8 (2) | 38.1 (1.5) | 60.45 (2.38) | 9.65 (0.38) | ABG-0322 |
| 5/8 or 3/4 | 3/8 | 2/0 | 250 | 50.8 (2) | 47.75 (1.88) | 66.8 (2.63) | 9.65 (0.38) | ABG-0325 |
| 5/8 or 3/4 | 3/8 | 300 | 500 | 63.5 (2.5) | 60.45 (2.38) | 79.5 (3.13) | 12.7 (0.5) | ABG-0350 |
| 1 | 1/2 or 3/4 | 8 | 4 | 57.15 (2.25) | 33.27 (1.31) | 63.5 (2.5) | 9.65 (0.38) | ABG-0704 |
| 1 | 1/2 or 3/4 | 4 | 2/0 | 57.15 (2.25) | 38.1 (1.5) | 69.85 (2.75) | 9.65 (0.38) | ABG-0722 |
| 1 | 1/2 or 3/4 | 2/0 | 250 | 57.15 (2.25) | 47.75 (1.88) | 76.2 (3) | 9.65 (0.38) | ABG-0725 |
| 1 | 1/2 or 3/4 | 300 | 500 | 69.85 (2.75) | 60.45 (2.38) | 88.9 (3.5) | 12.7 (0.5) | ABG-0750 |
| -- | 1 | 8 | 4 | 65.02 (2.56) | 33.27 (1.31) | 69.85 (2.75) | 9.65 (0.38) | ABG-1104 |
| -- | 1 | 4 | 2/0 | 65.02 (2.56) | 38.1 (1.5) | 76.2 (3) | 9.65 (0.38) | ABG-1122 |
| --- | 1 | 2/0 | 250 | 65.02 (2.56) | 47.75 (1.88) | 85.85 (3.38) | 9.65 (0.38) | ABG-1125 |
| -- | 1 | 300 | 500 | 76.2 (3) | 60.45 (2.38) | 95.25 (3.75) | 12.7 (0.5) | ABG-1150 |
| -- | 1-1/4 | 8 | 4 | 76.2 (3) | 33.27 (1.31) | 82.55 (3.25) | 9.65 (0.38) | ABG-1204 |
| -- | 1-1/4 | 4 | 2/0 | 76.2 (3) | 38.1 (1.5) | 82.55 (3.25) | 9.65 (0.38) | ABG-1222 |
| -- | 1-1/4 | 2/0 | 250 | 76.2 (3) | 47.75 (1.88) | 88.9 (3.5) | 9.65 (0.38) | ABG-1225 |
| --- | 1-1/4 | 300 | 500 | 85.85 (3.38) | 60.45 (2.38) | 104.9 (4.13) | 12.7 (0.5) | ABG-1250 |
| -- | 1-1/2 | 8 | 4 | 79.5 (3.13) | 33.27 (1.31) | 88.9 (3.5) | 9.65 (0.38) | ABG-1504 |
| -- | 1-1/2 | 4 | 2/0 | 79.5 (3.13) | 38.1 (1.5) | 98.55 (3.88) | 9.65 (0.38) | ABG-1522 |
| -- | 1-1/2 | 2/0 | 250 | 79.5 (3.13) | 47.75 (1.88) | 95.25 (3.75) | 9.65 (0.38) | ABG-1525 |
| -- | 1-1/2 | 300 | 500 | 90.42 (3.56) | 61.98 (2.44) | 107.95 (4.25) | 12.7 (0.5) | ABG-1550 |

All Copper Alloy Ground Connectors

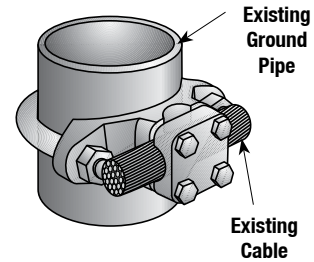
Specification Grade

Applications

- For cable connection either parallel or at right angle to pipe.
- A high strength corrosion-resistant copper alloy ground connector having a reversible contact plate which permits the ground wire to be connected either at right angles or parallel to a ground pipe.
- The fitting is designed so that the saddle can be installed before the ground connection is made.
- High strength silicon bronze hardware permits high clamping pressures to be applied.
- For ground pipe smaller than 2" use Type ABG.
- Type CG connectors are suitable for direct burial and wet locations.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- CSA Certified: 057250
- Fed. Spec: W-F-406E

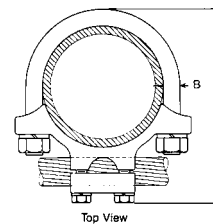
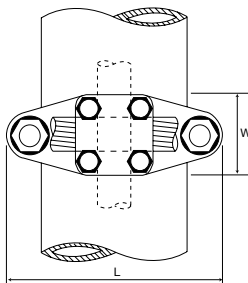


Type CG —

All Copper Alloy Ground Connectors

Specification Grade

| Ground Pipe Size (Inches) | Conductor Range AWG/kcmil | | Type CG | | | | Catalog Number |
|---------------------------|---------------------------|------|------------------------------------|--------------|----------------|--------------|----------------|
| | Min. | Max. | Dimensions in Millimeters (Inches) | | | | |
| | | | L | W | U | B | |
| 2 | 8 | 4 | 92.2 (3.63) | 22.35 (0.88) | 95.25 (3.75) | 9.65 (0.38) | CG-2004 |
| 2 | 4 | 2/0 | 92.2 (3.63) | 30.23 (1.19) | 101.6 (4) | 9.65 (0.38) | CG-2022 |
| 2 | 2/0 | 250 | 92.2 (3.63) | 36.58 (1.44) | 104.9 (4.13) | 9.65 (0.38) | CG-2025 |
| 2 | 300 | 500 | 98.55 (3.88) | 47.75 (1.88) | 114.3 (4.5) | 11.18 (0.44) | CG-2050 |
| 2-1/2 | 8 | 4 | 104.9 (4.13) | 22.35 (0.88) | 107.95 (4.25) | 9.65 (0.38) | CG-2604 |
| 2-1/2 | 4 | 2/0 | 104.9 (4.13) | 30.23 (1.19) | 114.3 (4.5) | 9.65 (0.38) | CG-2622 |
| 2-1/2 | 2/0 | 250 | 104.9 (4.13) | 36.58 (1.44) | 120.65 (4.75) | 9.65 (0.38) | CG-2625 |
| 2-1/2 | 300 | 500 | 111.25 (4.38) | 47.75 (1.88) | 127 (5) | 11.18 (0.44) | CG-2650 |
| 3 | 8 | 4 | 120.65 (4.75) | 22.35 (0.88) | 122.17 (4.81) | 9.65 (0.38) | CG-3104 |
| 3 | 4 | 2/0 | 120.65 (4.75) | 30.23 (1.19) | 130.3 (5.13) | 9.65 (0.38) | CG-3122 |
| 3 | 2/0 | 250 | 120.65 (4.75) | 36.58 (1.44) | 136.65 (5.38) | 9.65 (0.38) | CG-3125 |
| 3 | 300 | 500 | 133.35 (5.25) | 47.75 (1.88) | 146.05 (5.75) | 12.7 (0.5) | CG-3150 |
| 3 | 550 | 750 | — | — | — | — | CG-3175 |
| 3-1/2 | 8 | 4 | 133.35 (5.25) | 22.35 (0.88) | 133.35 (5.25) | 9.65 (0.38) | CG-3604 |
| 3-1/2 | 4 | 2/0 | 133.35 (5.25) | 30.23 (1.19) | 143 (5.63) | 9.65 (0.38) | CG-3622 |
| 3-1/2 | 2/0 | 250 | 133.35 (5.25) | 36.58 (1.44) | 149.35 (5.88) | 9.65 (0.38) | CG-3625 |
| 3-1/2 | 300 | 500 | 146.05 (5.75) | 47.75 (1.88) | 155.7 (6.13) | 12.7 (0.5) | CG-3650 |
| 3-1/2 | 550 | 750 | — | — | — | — | CG-3675 |
| 4 | 8 | 4 | 146.05 (5.75) | 22.35 (0.88) | 146.05 (5.75) | 9.65 (0.38) | CG-4104 |
| 4 | 4 | 2/0 | 146.05 (5.75) | 30.23 (1.19) | 155.7 (6.13) | 9.65 (0.38) | CG-4122 |
| 4 | 2/0 | 250 | 146.05 (5.75) | 36.58 (1.44) | 155.7 (6.13) | 9.65 (0.38) | CG-4125 |
| 4 | 300 | 500 | 158.75 (6.25) | 47.75 (1.88) | 168.4 (6.63) | 12.7 (0.5) | CG-4150 |
| 4 | 550 | 750 | — | — | — | — | CG-4175 |
| 5 | 4 | 2/0 | 174.75 (6.88) | 30.23 (1.19) | 181.1 (7.13) | 9.65 (0.38) | CG-5122 |
| 5 | 2/0 | 250 | 174.75 (6.88) | 36.58 (1.44) | 187.45 (7.38) | 9.65 (0.38) | CG-5125 |
| 5 | 300 | 500 | 184.15 (7.25) | 47.75 (1.88) | 196.85 (7.75) | 12.7 (0.5) | CG-5150 |
| 5 | 550 | 750 | — | — | — | — | CG-5175 |
| 6 | 4 | 2/0 | 203.2 (8) | 30.23 (1.19) | 209.55 (8.25) | 9.65 (0.38) | CG-6122 |
| 6 | 2/0 | 250 | 203.2 (8) | 36.58 (1.44) | 215.9 (8.5) | 9.65 (0.38) | CG-6125 |
| 6 | 300 | 500 | 212.85 (8.38) | 47.75 (1.88) | 225.55 (8.88) | 12.7 (0.5) | CG-6150 |
| 6 | 550 | 750 | 212.85 (8.38) | 60.45 (2.38) | 238.25 (9.38) | 12.7 (0.5) | CG-6175 |
| 6 | 800 | 1000 | 212.85 (8.38) | 60.45 (2.38) | 238.25 (9.38) | 12.7 (0.5) | CG-6192 |
| 8 | 2/0 | 250 | 254 (10) | 36.58 (1.44) | 266.7 (10.5) | 9.65 (0.38) | CG-8125 |
| 8 | 300 | 500 | 263.65 (10.38) | 47.75 (1.88) | 276.35 (10.88) | 12.7 (0.5) | CG-8150 |
| 8 | 550 | 750 | — | — | — | — | CG-8175 |
| 8 | 800 | 1000 | — | — | — | — | CG-8192 |



All Copper Alloy Ground Connectors

Specification Grade

Applications

- This ground connector is used for grounding "H" column fence posts. Its design eliminates the need for drilling the post.
- To attach, loosen the nut sufficiently to allow the end of the "J" bolt to slip over the flange, assemble the cable into the fitting and then tighten.

Standard Materials

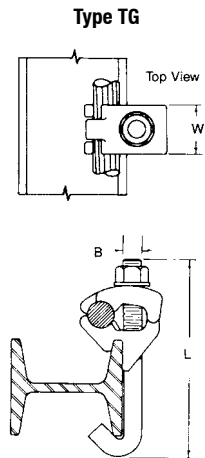
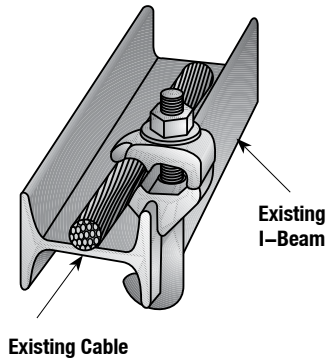
- Current carrying parts - cast copper alloy

Standard Finishes

- "J" bolt, nut and washer - hot dip galvanized steel

NEC/CEC Certifications and Compliances

- CSA Standard : C22.2 No. 41
- CSA Certified: 015978



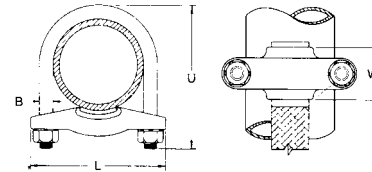
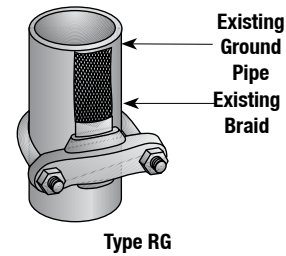
| Conductor Range | | "H" Column Fence Post | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|-----------------|-----------|-----------------------|------|------------------------------------|-------------|----------------|----------------|
| Min. Solid | Max. Str. | Min. | Max. | L | W | B | |
| 4 | 4/0 | 1.31 | 1.95 | 104.9 (4.13) | 25.4 (1) | 9.65 (0.38) | TG-24 |

Applications

- This Ground Connector is designed to connect flat copper braid or copper bar to a pipe.
- A copper alloy body and silicon bronze bolt, nut and lock washers, combine strength and corrosion-resistance, insuring a positive mechanical and electrical connection.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- CSA Certified: 015978
- Fed. Spec: W-F-406E



| Ground Pipe Size (Inches) | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|---------------------------|------------------------------------|-----------------|------------------|----------------|----------------|
| | L | W | U | B | |
| 1/2 or 3/4 | 57.15 (2.25) | 31.75 (1.25) | 63.5 (2.5) | 9.65 (0.38) | RG-07 |
| 1 | 66.8 (2.63) | 35.05 (1.38) | 71.37 (2.81) | 9.65 (0.38) | RG-11 |
| 1-1/4 | 76.2 (3) | 35.05 (1.38) | 79.5 (3.13) | 9.65 (0.38) | RG-12 |
| 1-1/2 | 79.5 (3.13) | 35.05 (1.38) | 88.9 (3.5) | 9.65 (0.38) | RG-15 |
| 2 | 92.2 (3.63) | 35.05 (1.38) | 98.55 (3.88) | 9.65 (0.38) | RG-20 |
| 2-1/2 | 104.9 (4.13) | 35.05 (1.38) | 111.25 (4.38) | 9.65 (0.38) | RG-26 |
| 3 | 120.65 (4.75) | 35.05 (1.38) | 127 (5) | 9.65 (0.38) | RG-31 |
| 3-1/2 | 133.35 (5.25) | 35.05 (1.38) | 139.7 (5.5) | 9.65 (0.38) | RG-36 |
| 4 | 146.05 (5.75) | 35.05 (1.38) | 152.4 (6) | 9.65 (0.38) | RG-41 |
| 5 | 182.63 (7.19) | 41.4 (1.63) | 184.15 (7.25) | 9.65 (0.38) | RG-51 |
| 6 | 209.55 (8.25) | 41.4 (1.63) | 196.85 (7.75) | 9.65 (0.38) | RG-61 |

All Copper Alloy Ground Connectors

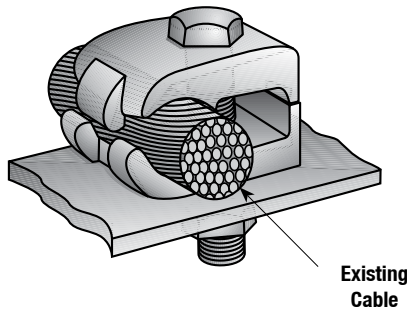
Specification Grade

Applications

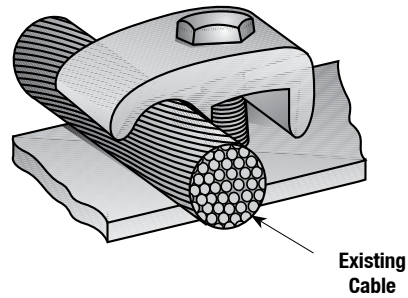
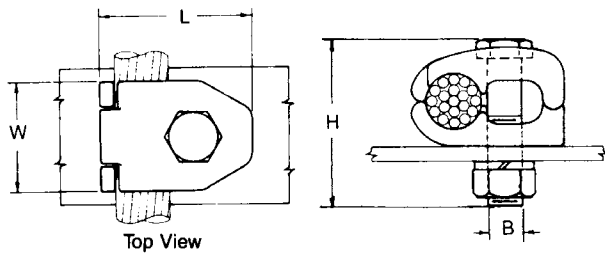
- This ground connector is designed to connect a ground wire to any flat surface.
- Copper alloy body and silicon bronze bolt, nut and lock washer, with the Interlocking clamp, combine strength and corrosion-resistance, insuring a positive ground connection.
- HEX-CUP construction of the fitting, simplifies installation by requiring only a single wrench for tightening.

NEC/CEC Certifications and Compliances

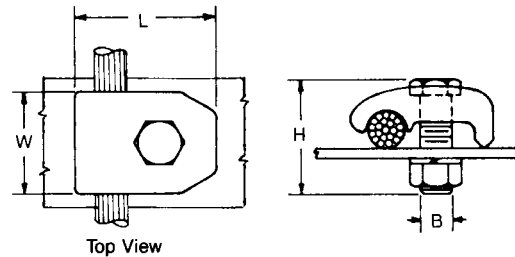
- CSA Standard : C22.2 No. 41
- CSA Certified: 015978



Type KG
Two-Piece Design



Type KGM
One-Piece Design



| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------|-------|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max.. | L | W | H | B | |
| 8 | 4 | 28.7 (1.13) | 28.7 (1.13) | 35.05 (1.38) | 9.65 (0.38) | KG-04 |
| 4 | 2/0 | 41.4 (1.63) | 31.75 (1.25) | 44.45 (1.75) | 9.65 (0.38) | KG-22 |
| 2/0 | 250 | 50.8 (2) | 35.05 (1.38) | 52.32 (2.06) | 11.18 (0.44) | KG-25 |
| 300 | 500 | 60.45 (2.38) | 38.1 (1.5) | 65.02 (2.56) | 12.7 (0.5) | KG-50 |
| 550 | 750 | 73.15 (2.88) | 44.45 (1.75) | 73.15 (2.88) | 16 (0.63) | KG-75 |
| 800 | 1000 | 85.85 (3.38) | 50.8 (2) | 79.5 (3.13) | 16 (0.63) | KG-92 |

Applications

- An economical ground connector for connecting a ground wire to any flat surface.
- Copper alloy body and silicon bronze bolt, nut and lock washer combine strength and corrosion-resistance to insure a positive ground connection.
- HEX-CUP construction of the fitting simplifies installation by requiring only a single wrench for tightening.

| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------|-------|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max.. | L | W | H | B | |
| 8 | 4 | 28.7 (1.13) | 28.7 (1.13) | 35.05 (1.38) | 9.65 (0.38) | KGM-04 |
| 4 | 2/0 | 41.4 (1.63) | 31.75 (1.25) | 41.4 (1.63) | 9.65 (0.38) | KGM-22 |
| 2/0 | 250 | 50.8 (2) | 35.05 (1.38) | 45.97 (1.81) | 11.18 (0.44) | KGM-25 |
| 300 | 500 | 60.45 (2.38) | 38.1 (1.5) | 58.67 (2.31) | 12.7 (0.5) | KGM-50 |
| 550 | 750 | 73.15 (2.88) | 44.45 (1.75) | 66.8 (2.63) | 16 (0.63) | KGM-75 |
| 800 | 1000 | 85.85 (3.38) | 50.8 (2) | 73.15 (2.88) | 16 (0.63) | KGM-92 |

All Copper Alloy Ground Connectors

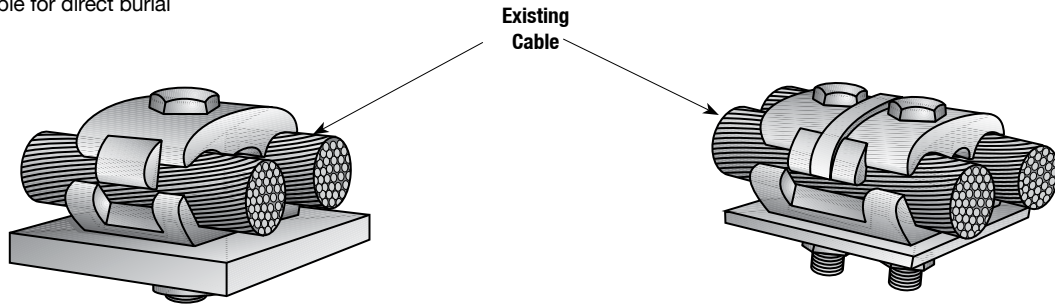
Specification Grade

Applications

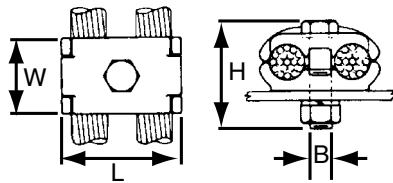
- For connecting two parallel cables of the same or varying sizes to any flat surface.
- Installation of connectors is simplified by HEX-CUP construction.
- Cables are gripped by the interlocking clamp, used throughout the line of ground devices.
- Copper alloy body and silicon bronze bolts, nuts and lock washers make a completely corrosion resistant fitting and permit high pressure to be applied - insuring a positive ground connection.
- The two Types LG and MG differ only in the number of fastening bolts as shown.

NEC/CEC Certifications and Compliances

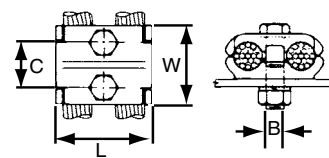
- UL Standard: 467
- Type MG - UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- Type LG and MG
- CSA Certified: 015978
- Suitable for direct burial



**Type LG
One Bolt**



**Type MG
Two Bolts**



| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------|------|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max. | L | W | H | B | |
| 8 | 4 | 28.7 (1.13) | 28.7 (1.13) | 35.05 (1.38) | 9.65 (0.38) | LG-04 |
| 4 | 2/0 | 44.45 (1.75) | 31.75 (1.25) | 44.45 (1.75) | 9.65 (0.38) | LG-22 |
| 2/0 | 250 | 54.1 (2.13) | 38.1 (1.5) | 52.32 (2.06) | 11.18 (0.44) | LG-25 |
| 300 | 500 | 73.15 (2.88) | 44.45 (1.75) | 65.02 (2.56) | 12.7 (0.5) | LG-50 |
| 550 | 750 | 88.9 (3.5) | 50.8 (2) | 73.15 (2.88) | 16 (0.63) | LG-75 |
| 800 | 1000 | 98.55 (3.88) | 57.15 (2.25) | 79.5 (3.13) | 16 (0.63) | LG-92 |

| Conductor Range Either Side | | Dimensions in Millimeters (Inches) | | | | | Catalog Number |
|--------------------------------|------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max. | L | W | H | B | C | |
| 8 | 4 | 28.7 (1.13) | 38.1 (1.5) | 35.05 (1.38) | 7.87 (0.31) | 22.35 (0.88) | MG-04 |
| 4 | 2/0 | 44.45 (1.75) | 44.45 (1.75) | 44.45 (1.75) | 9.65 (0.38) | 25.4 (1) | MG-22 |
| 2/0 | 250 | 54.1 (2.13) | 44.45 (1.75) | 52.32 (2.06) | 9.65 (0.38) | 25.4 (1) | MG-25 |
| 300 | 500 | 73.15 (2.88) | 54.1 (2.13) | 65.02 (2.56) | 11.18 (0.44) | 31.75 (1.25) | MG-50 |
| 550 | 750 | 88.9 (3.5) | 60.45 (2.38) | 73.15 (2.88) | 12.7 (0.5) | 35.05 (1.38) | MG-75 |
| 800 | 1000 | 98.55 (3.88) | 76.2 (3) | 79.5 (3.13) | 16 (0.63) | 41.4 (1.63) | MG-92 |

All Copper Alloy Ground Connectors

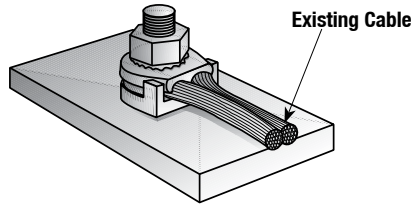
Specification Grade

Applications

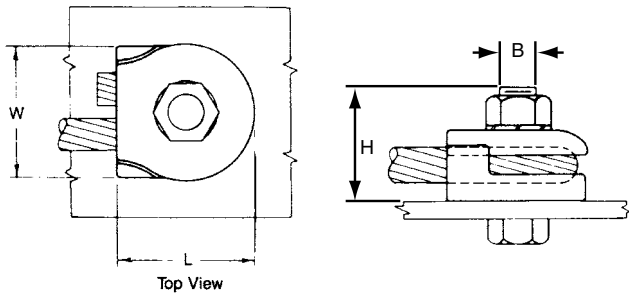
- This Ground Connector affords a means of connecting a cable to a flat surface.
- The ground conductor is looped in the groove of the fitting and clamped securely by the pressure plate.
- The high copper content of this fitting insures high conductivity and the silicon bronze bolt, nut and lock washer complete the corrosion-resistant fitting.

NEC/CEC Certifications and Compliances

- UL Standard: 467
- UL Listed: E-24264
- CSA Standard : C22.2 No. 41
- CSA Certified: 015978
- Suitable for direct burial



Type QG



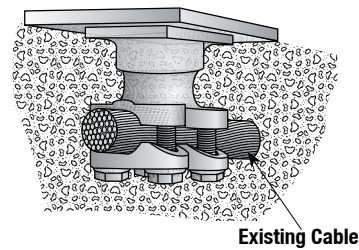
| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------|-------|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max.. | B | L | W | H | |
| 8 | 1 | 9.65 (0.38) | 35.05 (1.38) | 35.05 (1.38) | 28.7 (1.13) | QG-01 |
| 6 | 1/0 | 9.65 (0.38) | 39.62 (1.56) | 39.62 (1.56) | 31.75 (1.25) | QG-21 |
| 1 | 4/0 | 12.7 (0.5) | 50.8 (2) | 50.8 (2) | 38.1 (1.5) | QG-24 |
| 1/0 | 300 | 12.7 (0.5) | 60.45 (2.38) | 60.45 (2.38) | 44.45 (1.75) | QG-30 |

Applications

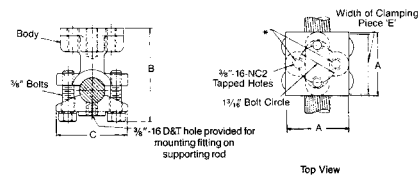
- These ground connectors are attached to a ground cable in the floor or wall base, and after the concrete is poured a 2" x 2" flat plate is left exposed flush with the surface.
- The connectors may be located at pre-determined locations, or if set at intervals throughout the floor or wall base, a ground pad id always readily available for grounding electrical equipment.

NEC/CEC Certifications and Compliances

- UL Standard 467
- UL Listed: E-24264
- Suitable for direct burial



Type VG



| Conductor Range AWG/kcmil | | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|------------------------------|------|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Min. | Max. | A | B | C | E | |
| Two Tapped Holes | | | | | | |
| 4 | 1/0 | 50.8 (2) | 68.33 (2.69) | 54.1 (2.13) | 35.05 (1.38) | VG-21-2 |
| 2/0 | 4/0 | 50.8 (2) | 68.33 (2.69) | 54.1 (2.13) | 35.05 (1.38) | VG-24-2 |
| 250 | 500 | 50.8 (2) | 71.37 (2.81) | 57.15 (2.25) | 50.8 (2) | VG-50-2 |
| 750 | 1000 | 50.8 (2) | 76.2 (3) | 66.8 (2.63) | 50.8 (2) | VG-92-2 |
| Four Tapped Holes | | | | | | |
| 4 | 1/0 | 50.8 (2) | 68.33 (2.69) | 54.1 (2.13) | 35.05 (1.38) | VG-21-4 |
| 2/0 | 4/0 | 50.8 (2) | 68.33 (2.69) | 54.1 (2.13) | 35.05 (1.38) | VG-24-4 |
| 250 | 500 | 50.8 (2) | 71.37 (2.81) | 57.15 (2.25) | 50.8 (2) | VG-50-4 |
| 750 | 1000 | 50.8 (2) | 76.2 (3) | 66.8 (2.63) | 50.8 (2) | VG-92-4 |

Watertight Service Entrance and UF Cable Connectors

Applications

- For securing and sealing service entrance and UF cable entering an enclosure or conduit hub.

Features

- Tapered male threads (NPT).
- Suitable for use in wet locations.
- Locknuts, Sealing Locknuts and Sealing Ring Assemblies available for use in sheet metal knockouts.

Standard Materials

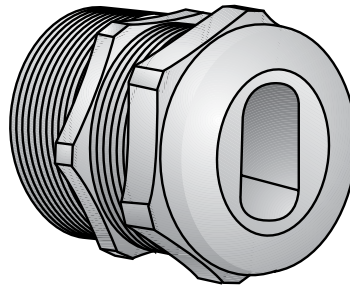
- Body - malleable iron
- Grommet - PVC
- Compression washer - steel

Standard Finishes

- Body: zinc electroplated
- Compression washer: electroplated

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11858
- Fed. Spec: W-F-406E



Type SE
Tapered threaded male hub – NPT

Watertight Service Entrance and UF Cable Connectors

| **Wire Sizes Oval (Flat) Cables | | | | | | | | | | |
|---------------------------------|-------------------|----------------------|-----------------|--------|------------------------------------|-----------------------------|-----------------------------|--------------|---------------|--------------|
| Catalog Number | Hub Size (Inches) | Type SEU 3 Conductor | | | Dimensions in Millimeters (Inches) | | | | | |
| | | Braided | Neoprene Jacket | | Type UF Cable | Cable Oval Grommet Range | | Body Length | Thread Length | Max. Dia. |
| | | | Jacket | Jacket | | Min. | Max. | | | |
| SE-501 ① | 1/2 | | | | 2#14WG and WO/G | 3.81 (0.15) x 8.38 (0.33) | 6.35 (0.25) x 10.92 (0.43) | 28.7 (1.13) | 13.46 (0.53) | 26.92 (1.06) |
| | 1/2 | | | | 2#12WG and WO/G | 3.81 (0.15) x 8.38 (0.33) | 6.35 (0.25) x 10.92 (0.43) | 28.7 (1.13) | 13.46 (0.53) | 26.92 (1.06) |
| SE-752 ① | 3/4 | | | | 3#14WG and WO/G | 4.32 (0.17) x 14.73 (0.58) | 7.37 (0.29) x 18.03 (0.71) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| | 3/4 | | | | 3#12WG and WO/G | 4.32 (0.17) x 14.73 (0.58) | 7.37 (0.29) x 18.03 (0.71) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| | 3/4 | | | | 3#10WG and WO/G | 4.32 (0.17) x 14.73 (0.58) | 7.37 (0.29) x 18.03 (0.71) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| SE-751 | 3/4 | 3#10 | 3#10 | 3#8 | | 7.11 (0.28) x 12.19 (0.48) | 10.16 (0.4) x 15.49 (0.61) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| SE-753 | 3/4 | 3#10 | 3#10 | 3#8 | | 8.64 (0.34) x 14.73 (0.58) | 11.68 (0.46) x 18.03 (0.71) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| | 3/4 | | 3#8 | 3#6 | | 8.64 (0.34) x 14.73 (0.58) | 11.68 (0.46) x 18.03 (0.71) | 29.46 (1.16) | 11.18 (0.44) | 35.05 (1.38) |
| SE-1001 ① | 1 | | | | 3#14WG and WO/G | 3.56 (0.14) x 14.22 (0.56) | 7.37 (0.29) x 18.03 (0.71) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | | | | 3#12WG and WO/G | 3.56 (0.14) x 14.22 (0.56) | 7.37 (0.29) x 18.03 (0.71) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | | | | 3#10WO/G | 3.56 (0.14) x 14.22 (0.56) | 7.37 (0.29) x 18.03 (0.71) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| SE-1002 | 1 | 3#8 | 3#8 | 3#6 | | 9.4 (0.37) x 16.76 (0.66) | 13.21 (0.52) x 20.57 (0.81) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | 3#6 | 3#6 | 3#4 | | 9.4 (0.37) x 16.76 (0.66) | 13.21 (0.52) x 20.57 (0.81) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| SE-1003 | 1 | 3#6 | 3#6 | 3#4 | | 10.92 (0.43) x 19.3 (0.76) | 14.73 (0.58) x 23.11 (0.91) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | 3#4 | | 3#2 | | 10.92 (0.43) x 19.3 (0.76) | 14.73 (0.58) x 23.11 (0.91) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| SE-1004 | 1 | 3#4 | 3#4 | 3#2 | | 10.16 (0.4) x 21.84 (0.86) | 16.26 (0.64) x 25.65 (1.01) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | 3#3 | 3#3 | 3#1 | | 12.45 (0.49) x 21.84 (0.86) | 16.26 (0.64) x 25.65 (1.01) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | 2#2 | | | | 12.45 (0.49) x 21.84 (0.86) | 16.26 (0.64) x 25.65 (1.01) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| | 1 | 1#4 | | | | 12.45 (0.49) x 21.84 (0.86) | 16.26 (0.64) x 25.65 (1.01) | 31.75 (1.25) | 13.46 (0.53) | 41.4 (1.63) |
| SE-1251 | 1-1/4 | 3#4 | 3#4 | 3#2 | | 11.18 (0.44) x 20.57 (0.81) | 16.26 (0.64) x 25.65 (1.01) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| | 1-1/4 | 3#3 | 3#3 | 3#1 | | 11.18 (0.44) x 20.57 (0.81) | 16.26 (0.64) x 25.65 (1.01) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| | 1-1/4 | 3#2 | | | | 11.18 (0.44) x 20.57 (0.81) | 16.26 (0.64) x 25.65 (1.01) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| SE-1253 | 1-1/4 | 3#3 | 3#4 | 3#1 | | 12.7 (0.5) x 23.11 (0.91) | 17.78 (0.7) x 28.19 (1.11) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| | 1-1/4 | 3#2 | 3#3 | 3#1/0 | | 12.7 (0.5) x 23.11 (0.91) | 17.78 (0.7) x 28.19 (1.11) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| | 1-1/4 | | 3#2 | | | 12.7 (0.5) x 23.11 (0.91) | 17.78 (0.7) x 28.19 (1.11) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| SE-1252 | 1-1/4 | 3#2 | 3#2 | 3#1/0 | | 13.97 (0.55) x 25.65 (1.01) | 19.05 (0.75) x 30.73 (1.21) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| | 1-1/4 | 3#1 | 3#1 | 3#2/0 | | 13.97 (0.55) x 25.65 (1.01) | 19.05 (0.75) x 30.73 (1.21) | 35.05 (1.38) | 16 (0.63) | 33.27 (1.31) |
| SE-1504 | 1-1/2 | 3#2 | 3#2 | 3#1/0 | | 13.97 (0.55) x 25.65 (1.01) | 19.05 (0.75) x 30.73 (1.21) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| | 1-1/2 | 3#1 | 3#1 | 3#2/0 | | 13.97 (0.55) x 25.65 (1.01) | 19.05 (0.75) x 30.73 (1.21) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| SE-1505 | 1-1/2 | 3#1 | 3#1 | 3#2/0 | | 15.49 (0.61) x 28.19 (1.11) | 20.57 (0.81) x 33.27 (1.31) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| | 1-1/2 | 3#1/0 | | 3#3/0 | | 15.49 (0.61) x 28.19 (1.11) | 20.57 (0.81) x 33.27 (1.31) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| SE-1506 | 1-1/2 | 3#1/0 | 3#1 | 3#3/0 | | 16.76 (0.66) x 30.73 (1.21) | 21.84 (0.86) x 35.81 (1.41) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| | 1-1/2 | 3#2/0 | 3#1/0 | 3#4/0 | | 16.76 (0.66) x 30.73 (1.21) | 21.84 (0.86) x 35.81 (1.41) | 38.86 (1.53) | 16 (0.63) | 59.44 (2.34) |
| SE-2006 | 2 | 3#1/0 | 3#1 | 3#3/0 | | 16.76 (0.66) x 30.73 (1.21) | 21.84 (0.86) x 35.81 (1.41) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| | 2 | 3#2/0 | 3#1/0 | 3#4/0 | | 16.76 (0.66) x 30.73 (1.21) | 21.84 (0.86) x 35.81 (1.41) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| SE-2007 | 2 | 3#2/0 | 3#1/0 | 3#4/0 | | 18.54 (0.73) x 33.27 (1.31) | 23.62 (0.93) x 38.35 (1.51) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| | 2 | 3#3/0 | 3#2/0 | | | 18.54 (0.73) x 33.27 (1.31) | 23.62 (0.93) x 38.35 (1.51) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| SE-2008 | 2 | 3#3/0 | 3#2/0 | | | 20.83 (0.82) x 35.81 (1.41) | 25.91 (1.02) x 40.89 (1.61) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| | 2 | 3#4/0 | 3#3/0 | | | 20.83 (0.82) x 35.81 (1.41) | 25.91 (1.02) x 40.89 (1.61) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| SE-2009 | 2 | 3#4/0 | 3#3/0 | | | 21.84 (0.86) x 38.35 (1.51) | 26.92 (1.06) x 43.43 (1.71) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |
| SE-20010 | 2 | | 3#4/0 | | | 22.86 (0.9) x 40.89 (1.61) | 27.94 (1.1) x 45.97 (1.81) | 52.32 (2.06) | 16 (0.63) | 76.2 (3) |

① Can be used with UF Cable.

Service Entrance Heads

For SE Cable

Applications

- Provides a weather-resistant termination of Service Entrance Cable at utility connection point.

Features

- For SE cables - keyhole mounting bracket style.
- Easy to assemble. Cable slips into cap and is securely held by clamping shoe.
- Has split insulator and well bushed holes.
- Cover overlaps to protect cables from weather.
- Weather resistant.

Standard Materials

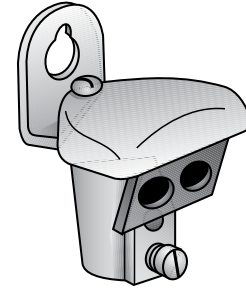
- Malleable iron body
- Phenolic insulator

Standard Finishes

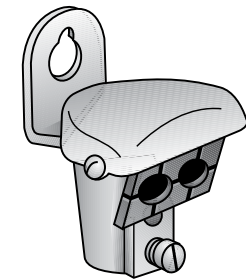
- Hot dip or mechanically galvanized

NEC/CEC Certifications and Compliances

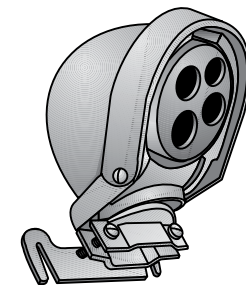
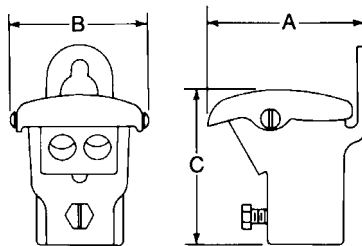
- UL Standard: ANSI/UL 514B
- UL Listed: E-11858
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795



Type 1754G



Type 1751G through 1753G



1749G

| No. Holes | Holes Size Millimeters (Inches) | Max SEU | SEU Opening | Dimensions in Millimeters (Inches) | | | Catalog Number |
|-----------|---------------------------------------|------------|-----------------------------|------------------------------------|--------------|--------------|----------------|
| | | | | A | B | C | |
| 2 | 10.41 (0.41) | 3#8 2#4 | 11.18 (0.44) - 17.53 (0.69) | 54.1 (2.13) | 45.97 (1.81) | 52.32 (2.06) | 1754G |
| 2 | 10.41 (0.41) | 3#4 2#2 | 12.7 (0.5) - 25.4 (1) | 61.21 (2.41) | 50.04 (1.97) | 61.98 (2.44) | 1753G |
| 2 | 13.46 (0.53) | 3#2 | 19.05 (0.75) - 29.46 (1.16) | 65.79 (2.59) | 61.98 (2.44) | 67.56 (2.66) | 1752G |
| 2 | 19.81 (0.78) | 3#2/0 | 25.4 (1) - 38.1 (1.5) | 85.85 (3.38) | 80.26 (3.16) | 76.2 (3) | 1751G |
| 3 | 22.35 (0.88) | 3#4/0 | 28.7 (1.13) - 44.45 (1.75) | 88.9 (3.5) | 95.25 (3.75) | 99.31 (3.91) | 1749G |
| 1 | 11.18 (0.44) | | | | | | |

Service Entrance Heads

Threaded For Rigid Conduit or IMC

Applications

- Provides a weather-resistant termination of a Service Entrance Conduit Riser at utility connection point.

Features

- Weather resistant.
- Phenolic Insulator has predrilled holes to slip over conductors.
- Easy to assemble onto conduit riser.

Standard Materials

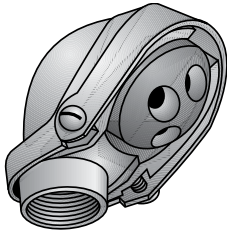
- Malleable or ductile iron
- Phenolic insulator

Standard Finishes

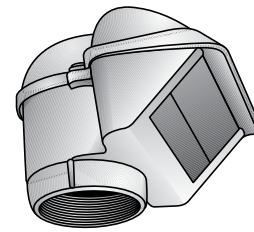
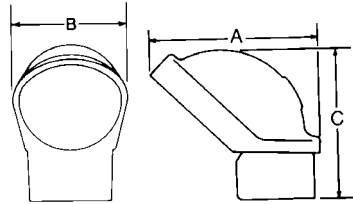
- Hot dip or mechanically galvanized

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795



Type 17-50G thru 17-400G



Type 17-500G and 17-600G

| Trade Size (Inches) | No. Holes | Insulator Hole | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|-----------|----------------|----------------|------------------------------------|---------------|---------|----------------|
| | | Dia. | A | B | C | | |
| 3/4 | 2 | 9.65 (0.38) | 87.38 (3.44) | 58.67 (2.31) | 61.98 (2.44) | 17-75G | |
| | 3 | 10.41 (0.41) | | | | | |
| 1 | 2 | 11.18 (0.44) | 95.25 (3.75) | 68.33 (2.69) | 71.37 (2.81) | 17-100G | |
| | 3 | 12.7 (0.5) | | | | | |
| 1-1/4 | 2 | 10.67 (0.42) | 112.78 (4.44) | 79.5 (3.13) | 82.55 (3.25) | 17-125G | |
| | 3 | 16 (0.63) | | | | | |
| 1-1/2 | 3 | 22.35 (0.88) | 127 (5) | 90.42 (3.56) | 90.42 (3.56) | 17-150G | |
| | 1 | 11.18 (0.44) | | | | | |
| 2 | 2 | 19.05 (0.75) | 127 (5) | 146.05 (5.75) | 176.28 (6.94) | 17-200G | |
| | 3 | 25.4 (1) | | | | | |
| | 1 | 13.46 (0.53) | | | | | |
| 2-1/2 | 3 | 22.35 (0.88) | 268.22 (10.56) | 168.4 (6.63) | 166.62 (6.56) | 17-250G | |
| | 1 | 25.4 (1) | | | | | |
| | 3 | 33.27 (1.31) | | | | | |
| 3 | 4 | 44.45 (1.75) | 312.67 (12.31) | 203.2 (8) | 204.72 (8.06) | 17-300G | |
| | 2 | 28.7 (1.13) | | | | | |
| 4 | 4 | 44.45 (1.75) | 317.5 (12.5) | 203.2 (8) | 211.07 (8.31) | 17-400G | |
| | 2 | 28.7 (1.13) | | | | | |

Service Entrance Heads

Threaded For Rigid Conduit or IMC

Applications

- Provides a weather-resistant termination of a Service Entrance Conduit Riser at utility connection point.

Features

- Bar type pressure clamp in body.
- Screw does not bear directly on conduit.
- Weather resistant.
- Phenolic Insulator has predrilled holes to slip over conductors.
- Easy to assemble onto conduit riser.

Standard Material

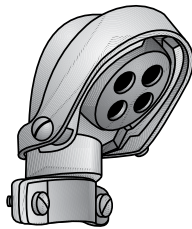
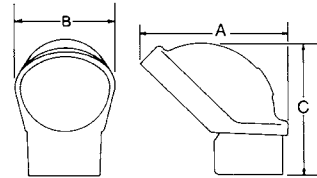
- Malleable iron
- Brass screws in hood
- Phenolic insulator

Standard Finishes

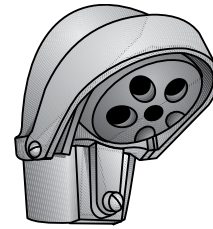
- Hot dip or mechanically galvanized

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857



Type CT-75G



Type CT-100G

| Trade Size (Inches) | No. Holes | Insulator Hole | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|------------------------|--------------|----------------|--|------------------------------------|---------------|---------------|-------------------|
| | | Size | | A | B | C | |
| 3/4 | 2 | 9.65 (0.38) | | 81.03 (3.19) | 58.67 (2.31) | 79.5 (3.13) | CT-75G |
| | 3 | 10.41 (0.41) | | | | | |
| 1 | 2 | 11.18 (0.44) | | 95.25 (3.75) | 68.33 (2.69) | 88.9 (3.5) | CT-100G |
| | 3 | 12.7 (0.5) | | | | | |
| 1-1/4 | 2 | 10.67 (0.42) | | 114.3 (4.5) | 81.03 (3.19) | 96.77 (3.81) | CT-125G |
| | 3 | 16 (0.63) | | | | | |
| 1-1/2 | 3 | 19.05 (0.75) | | 136.65 (5.38) | 96.01 (3.78) | 120.65 (4.75) | CT-150G |
| | 2 | 14.99 (0.59) | | | | | |
| | 1 | 11.18 (0.44) | | | | | |
| 2 | 2 | 19.05 (0.75) | | 177.8 (7) | 120.65 (4.75) | 160.27 (6.31) | CT-200G |
| | 3 | 25.4 (1) | | | | | |
| | 1 | 13.46 (0.53) | | | | | |

Service Entrance Heads

Threaded For Rigid Conduit or IMC

Applications

- Combination entrance cap to fit 2" mast and has 1-1/4" cap.

Features

- Bar type pressure clamp in body.
- Screw does not bear directly on conduit.
- Weather resistant.
- Phenolic Insulator has predrilled holes to slip over conductors.
- Easy to assemble onto conduit riser.

Standard Material

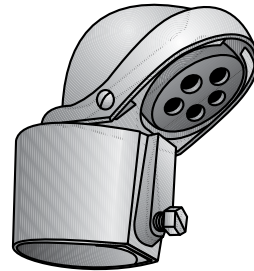
- Malleable iron
- Brass screws in hood
- Phenolic insulator

Standard Finishes

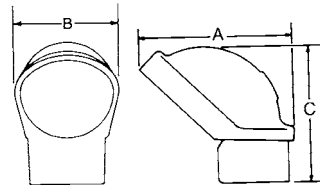
- Hot dip or mechanically galvanized

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11857



Type CT-2



| Trade Size (Inches) | Insulator Hole | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|---------------------|----------------|--------------|------------------------------------|--------------|---------------|----------------|
| | No. Holes | Size | A | B | C | |
| 2-1/4 | 2 | 10.67 (0.42) | 127 (5) | 81.03 (3.19) | 128.52 (5.06) | CT-2-125G |
| | 3 | 16 (0.63) | | | | |

Oval Service Entrance Straps

For SE and NM cables

Applications

- To secure oval (flat) SE and NM cable.

Standard Material

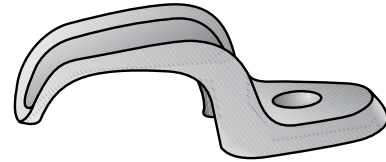
- Malleable iron

Standard Finishes

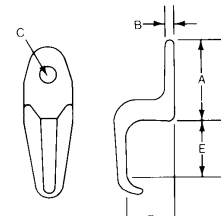
- Mechanically galvanized

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18
- CSA Certified: 9795
- Fed. Spec: FF-S-760



Type 16G



| Catalog Number | S.E. Cable Size | Dimensions in Millimeters (Inches) | | | | |
|----------------|-----------------|------------------------------------|------|------------|--------------|--------------|
| | | A | B | Bolt Dia C | D | E |
| 16-01G | 3 - #8 | 23.88 (0.94) | 0.19 | 0.25 | 9.65 (0.38) | 17.53 (0.69) |
| 16-02G | 2 - #6 | 23.88 (0.94) | 0.19 | 0.25 | 11.18 (0.44) | 20.57 (0.81) |
| | 1 - #8 | 23.88 (0.94) | 0.19 | 0.25 | 11.18 (0.44) | 20.57 (0.81) |
| 16-03G | 3 - #4 | 26.92 (1.06) | 0.19 | 0.25 | 12.7 (0.5) | 49.28 (1.94) |
| 16-04G | 3 - #2 | 30.23 (1.19) | 0.25 | 0.31 | 17.53 (0.69) | 30.23 (1.19) |
| 16-05G | 3 - #1/0 | 31.75 (1.25) | 0.25 | 0.31 | 19.05 (0.75) | 38.1 (1.5) |
| 16-06G | 3 - #4/0 | 33.27 (1.31) | 0.31 | 0.31 | 7.87 (0.31) | 45.97 (1.81) |

Oval Service Entrance Straps

For SE and NM cables

Applications

- To secure oval (flat) SE and NM cable.

Standard Material

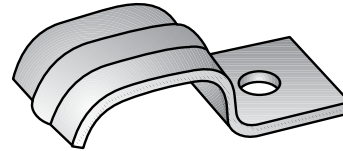
- Steel

Standard Finishes

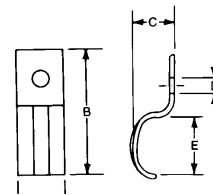
- Zinc electroplated

NEC/CEC Certifications and Compliances

- Fed. Spec: FF-S-760



Type 16-S



| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|-----------------|--------------|--------------|--------------|-------------|--------------|
| Catalog Number | S.E. Cable Size | A | B | Bolt Dia | D | E |
| 16-01S | 3 - #8 | 16 (0.63) | 41.4 (1.63) | 12.7 (0.5) | 7.87 (0.31) | 19.05 (0.75) |
| 16-02S | 2 - #6 | 19.05 (0.75) | 44.45 (1.75) | 14.22 (0.56) | 7.87 (0.31) | 19.05 (0.75) |
| 16-03S | 3 - #4 | 19.05 (0.75) | 52.32 (2.06) | 16 (0.63) | 7.87 (0.31) | 23.88 (0.94) |
| 16-04S | 3 - #2 | 22.35 (0.88) | 57.15 (2.25) | 17.53 (0.69) | 7.87 (0.31) | 26.92 (1.06) |
| 16-05S | 3 - #1 to | | | | | |
| | 3 - #1/0 | 25.4 (1) | 73.15 (2.88) | 20.57 (0.81) | 7.87 (0.31) | 35.05 (1.38) |
| 16-06S | 3 - #4/0 | 31.75 (1.25) | 82.55 (3.25) | 25.4 (1) | 7.87 (0.31) | 42.93 (1.69) |

Compounds

Type Dux: Sealing Compound, Type WQ: Wire•Quick Wire Pulling Compound

Applications

- An ideal waterstop and moisture barrier for sealing between electrical cables and conduit ducts. A standard for weather sealing service entries.

Features

- A soft, fibrous, slightly tacky, non-hardening sealing compound easily applied by hand at all working temperatures.
- Gray color, clean and non-staining.
- Can be painted.
- Excellent cohesive and adhesive properties.

Standard Material

- Steel

Standard Finishes

- Zinc electropated

NEC/CEC Certifications and Compliances

- UL Listed: R-15320

Ordering Note:

When ordering DUX, specify number of units only, not lbs. For example: To order 50 lbs., specify 10 DUX-5 units.



Type DUX

| Package Weight Kg (lb) | Catalog Number |
|------------------------|----------------|
| 0.45 (1.00) | DUX-1 |
| 2.27 (5.00) | DUX-5 |

Applications

- "Wire Quick" lubricates wire and cable to substantially reduce the pulling tension required.

Features

- It has excellent adhesion and will not crumble.
- Completely safe for use on all insulations: rubber, lead and plastics. "WIRE QUICK" can be used with all types of conduit. It's non-corrosive and non-combustible.
- "WIRE QUICK", after a period of time in a conduit, will dry and leave a film. This acts as a lubricant in the event the wire or cable must be removed.
- Skin and clothing will not be harmed by Wire-Quick compound. It also washes easily from hands.

Standard Material

- Steel

Standard Finishes

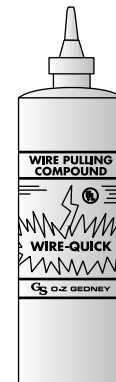
- Zinc electropated

NEC/CEC Certifications and Compliances

- UL Listed: E-76536

Ordering Note:

When ordering WIRE QUICK specify by number of units only, not gallons. For example: To order 50 gallons, specify 10 WQ-05 units.



Type WQ

| Unit | Catalog Number |
|--------------|----------------|
| 1 Qt. Can | WQ-00 |
| 1 Gal. Pail | WQ-01 |
| 5 Gal. Pail | WQ-05 |
| 55 Gal. Drum | WQ-55 |

Knockout Closures

Type KO: Snap-in Style

Applications

- To close unused opening or knockout in sheet metal box, enclosure or cabinet.

Features

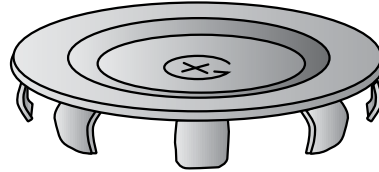
- It has excellent adhesion and will not crumble.
- Completely safe for use on all insulations: rubber, lead and plastics. "WIRE QUICK" can be used with all types of conduit. It's non-corrosive and non-combustible.
- "WIRE QUICK", after a period of time in a conduit, will dry and leave a film. This acts as a lubricant in the event the wire or cable must be removed.
- Skin and clothing will not be harmed by Wire-Quick compound. It also washes easily from hands.

Standard Material

- Steel

Standard Finishes

- Zinc electroplated



Type WQ

| Trade Size (Inches) | Dimensions Millimeters (Inches) | Catalog Number |
|---------------------|------------------------------------|----------------|
| 1/2 | 26.92 (1.06) | KO-50S |
| 3/4 | 31.75 (1.25) | KO-75S |
| 1 | 38.1 (1.5) | KO-100S |
| 1-1/4 | 45.97 (1.81) | KO-125S |
| 1-1/2 | 56.39 (2.22) | KO-150S |
| 2 | 68.33 (2.69) | KO-200S |

General Cable Support Information

Applications

- Used to support cables in vertical raceways or risers.
- Relieves the strain that would be placed on terminations, the interior of panels, or other devices to which the cables are connected.
- Properly designed cable supports must not only be capable of supporting a given weight of cable with a good margin of safety but must also support the cable without damaging the insulation or excessively reducing the amount of insulation over.

Certifications and Compliances

- Requirements for Cable Supports in the National Electrical Code reads as follows: 300.19 Supporting Conductors in Vertical Raceways. (A) Spacing Intervals - Maximum. Conductors in vertical raceways shall be supported if the vertical rise exceeds the values in Table 300.19(A). One cable support shall be provided at the top of the vertical raceway or as close to the top as practical. Intermediate supports shall be provided as necessary to limit supported conductor lengths to not greater than those specified in Table 300.19(A).

Example:

- A 10-story building contains a vertical conduit run from the basement to the top floor, approx. 110 feet/34 meters in length. The raceway contains 4/0 copper conductors. Per Table 300.19(A), the unsupported cable length cannot exceed 80 feet/25 meters. Therefore, one cable support is required at or near the top of the vertical riser, and one intermediate support is required at or near the midpoint in the conduit run, assuring that any unsupported cable length does not exceed 80 feet/25 meters.

Spacing for Conductor Supports

| Size of Wire | Support of Conductors in Vertical Raceways | Aluminum or Copper – Clad Aluminum Meters (Feet) | Copper Meters (Feet) |
|----------------------------|--|--|----------------------|
| 18 AWG thru 8 AWG | Not greater than | 30 (100) | 30 (100) |
| 6 AWG thru 1/0 AWG | Not greater than | 60 (200) | 30 (100) |
| 2/0 AWG thru 4/0 AWG | Not greater than | 55 (180) | 25 (80) |
| over 4/0 AWG - 350 kcmil | Not greater than | 41 (135) | 18 (60) |
| over 350 kcmil - 500 kcmil | Not greater than | 36 (120) | 15 (50) |
| over 500 kcmil - 750 kcmil | Not greater than | 28 (95) | 12 (40) |
| over 750 kcmil | Not greater than | 26 (85) | 11 (35) |

| Application | Recommended O-Z/Gedney Cable Supports |
|---|---------------------------------------|
| TWO or more wires - Indoors - at voltages to 600 Volt | Type S |
| ONE or more wires - Indoors - at all voltages | Type R |
| Retrofit - TWO or more wires - Indoors - at voltages to 600 Volt | Type D |
| Retrofit - ONE or more wires - Indoors - at all voltages | Type DR |
| Ventilating - ONE or more wires - Outdoors - at all voltages | Type CMT |
| Ventilating - Bakelite - ONE or more wires - Outdoors - at all voltages | Type V |
| Non-ventilating - ONE or more wires - Outdoors - at all voltages | Type C |
| Locking - Horizontal/Vertical - ONE or more wires - Indoors - at all voltages | Type K |
| Space Maker - ONE or more wires - Indoors - at all voltages | Type M |
| Pull Box - ONE or more wires - Outdoors at all voltages | Type W |
| Wire Armored Cable - In conduit or supported by structure | Type F/FS/FT |

General Cable Support Information

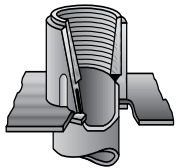
Applications

- Two basic types of cable supports are offered for use with non-armored cable. They both utilize the pOZi-grip® Wedging Plug. pOZi-grip® is a unique manufacturing technique for lining the cable grooves with a coarse grain grit using a high strength epoxy adhesive. This grit improves the cable support holding power and does not injure the jacket or insulation on the cable.

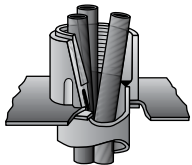
One Piece Plug Type "S"

- This type consists of a metal body having an insulating liner with a knurled and tapered inside surface and a one piece impregnated hardwood wedging plug having a groove for each wire. This type support is recommended for use with all types of non-armored cables 600 Volts or less, as it is the easiest to install, impossible to install incorrectly and it provides ventilation of the conduit. This design is used in our Types S and D Cable Supports. The basic principles of their assembly are illustrated below.

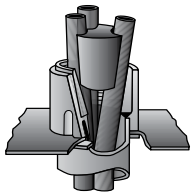
Type S



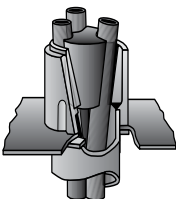
1. Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2. Pull wires and arrange temporary means of support.



- 3a. Remove all pulling compound from wires in the area where they pass through the cable support.
- 3b. Place the plug between the wires as close to the top of the body as possible. Care should be taken to locate each wire in the proper groove.

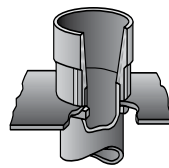


4. Tap the plug firmly into the support body.

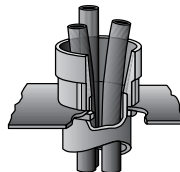
Multiple Segment Plug Type "R"

- This type consists of an all metal body having a tapered inner surface and a canvas bakelite multiple segment wedging plug so constructed that each cable is supported between grooves in adjacent segments. This construction provides the uniform pressure distribution required by the softer types of insulations frequently used at higher voltages. This design is used in non-ventilating types R, DR, W, C, K and M, and Ventilating Compound Types CMT, and V. The basic principles of their assembly are illustrated below.

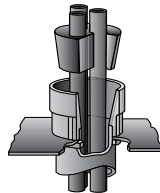
Type R



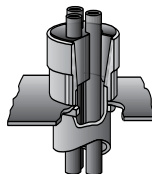
1. Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2. Pull wires and arrange temporary means of support.



- 3a. Remove all pulling compound from wires in the area where they pass through the cable support.
- 3b. Place the segments of the plug around the wires. Where more than two segments are involved the top of each plug segment has numbers at each end and it is important that these are paired with the corresponding numbers on the adjacent plug segments.



4. Tap the plug segments evenly and firmly into the support body.

Type S Cable Supports

For Two or More Wires - Indoors - at Voltages to 600 Vac

For Rigid Conduit, IMC and EMT with pOZi-grip® "S-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.

Features

- Threaded for Rigid Conduit and IMC.
- Use with all types of insulations at voltages to and including 600 Volt.
- The fastest and easiest type cable support to install.
- The knurled insulating inner surface and one piece impregnated hardwood pOZi-grip plug provide positive support well in excess of code requirements.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC Conduit, use a PVC terminal adapter.

Material/Finish

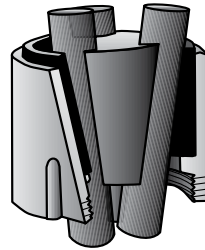
- Bodies: malleable or ductile iron with hot dip galvanized finish

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584

Optional Material/Finish

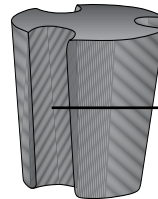
- For non-metallic bodies see Type D or DR
- For Lay-In-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.



TO ORDER SPECIFY:

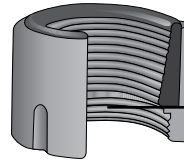
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Impregnated Hardwood
pOZi-grip® Wedging Plug

Shape and special gripping surface
of grooves in plug give maximum
support to cable.



Malleable or Ductile Iron Body

Tapered inside surface of insulating
bushing is knurled to grip cable.

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | Complete Fitting Catalog Number | | | Plug Only ① Catalog Number | |
|--------------------------|---------------------------------------|-------------------|---------------------------------|--|------------------|----------------------------|--|
| | Outside Diameter | Overall Height | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 1-1/2 | 66.8 (2.63) | 60.4 (2.38) | S-1500-1 | S-1500-2 | S-1500-BO | SPLG-1500-1 | SPLG-1500-2 |
| 2 | 79.5 (3.13) | 66.8 (2.63) | S-2000-1 | S-2000-2 | S-2000-BO | SPLG-2000-1 | SPLG-2000-2 |
| 2-1/2 | 95.3 (3.75) | 76.2 (3.00) | S-2500-1 | S-2500-2 | S-2500-BO | SPLG-2500-1 | SPLG-2500-2 |
| 3 | 114.3 (4.50) | 79.5 (3.13) | S-3000-1 | S-3000-2 | S-3000-BO | SPLG-3000-1 | SPLG-3000-2 |
| 3-1/2 | 130.3 (5.13) | 88.9 (3.50) | S-3500-1 | S-3500-2 | S-3500-BO | SPLG-3500-1 | SPLG-3500-2 |
| 4 | 143.0 (5.63) | 3.88 (3.88) | S-4000-1 | S-4000-2 | S-4000-BO | SPLG-4000-1 | SPLG-4000-2 |
| 5 | 174.8 (6.88) | 114.3 (4.50) | S-5000-1 | S-5000-2 | S-5000-BO | SPLG-5000-1 | SPLG-5000-2 |
| 6 | 212.9 (8.38) | 139.7 (5.50) | S-6000-1 | S-6000-2 | S-6000-BO | SPLG-6000-1 | SPLG-6000-2 |

① Cable support plugs will not be supplied undrilled.

Type D Cable Supports

For Two or More Wires Already Installed in Conduit - Indoors - at Voltages to 600 Vac

Retrofit Type Split Bakelite Body with pOZi-grip® "S-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.

Features

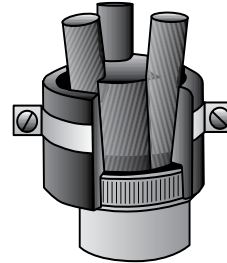
- Retrofit type cable support can be installed after conductors are pulled and terminated.
- Split body rests on existing bushing atop any conduit raceway.
- The two halves of the body are placed around the cables, seated on the existing bushing and securely held together by the steel band set in a groove around the body. The plug is then wedged between the cables.
- Use with all types of insulations at voltages to and including 600 Volts.
- The tapered, knurled insulating inner body surface and pOZigrip plug provide support well in excess of code requirements.

Material/Finish

- Bodies: two molded canvas bakelite halves. Inside surface is knurled to grip cables
- Band: steel/zinc plated
- Bolts and nuts: stainless steel

Certifications and Compliances

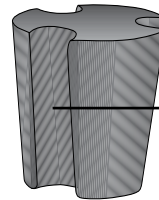
- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584



TO ORDER SPECIFY:

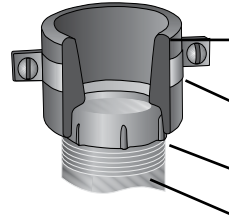
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Impregnated Hardwood
pOZi-grip® Wedging Plug

Shape and special gripping surface of grooves in plug give maximum support to cable.



Two molded Canvas Bakelite halves. Inside surface is knurled to grip cables.

Steel band, Zinc Plated. Bolts and nuts are Stainless Steel.

Existing Bushing

Existing Conduit

| Conduit Size (Inches) | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | Number of Straps | Complete Fitting Catalog Number | | Plug Only ① Catalog Number | |
|-----------------------|------------------|----------------|--------------------------|-----------------|------------------|---------------------------------|---|----------------------------|---|
| | | | | | | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | 2-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 1-1/2 | 66.8 (2.63) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 1.00 | D-1502-1 | D-1502-2 | SPLG-1500-1 | SPLG-1500-2 |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 1.00 | D-2002-1 | D-2002-2 | SPLG-2000-1 | SPLG-2000-2 |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 2.00 | D-2502-1 | D-2502-2 | SPLG-2500-1 | SPLG-2500-2 |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 2.00 | D-3002-1 | D-3002-2 | SPLG-3000-1 | SPLG-3000-2 |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 2.00 | D-3502-1 | D-3502-2 | SPLG-3500-1 | SPLG-3500-2 |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 2.00 | D-4002-1 | D-4002-2 | SPLG-4000-1 | SPLG-4000-2 |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 2.00 | D-5002-1 | D-5002-2 | SPLG-5000-1 | SPLG-5000-2 |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 2.00 | D-6002-1 | D-6002-2 | SPLG-6000-1 | SPLG-6000-2 |

① Cable support plugs will not be supplied undrilled.

Type R Cable Supports

For One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Applications

- For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- The pOZi-grip wedging plug exerts uniform pressure around the cable, providing holding force in excess of that required by code without deforming cable insulation.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.

Material/Finish

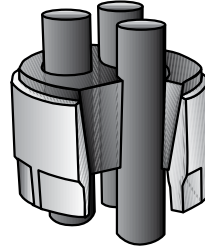
- Body: malleable or ductile iron with hot dip galvanized finish

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584

Options

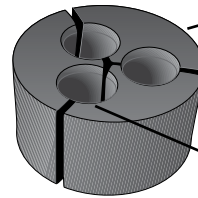
- For Lay-In-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.



TO ORDER SPECIFY:

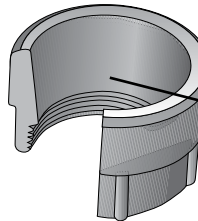
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Canvas Bakelite pOZi-grip® Wedging Plug
For one wire type, the plug consists of two pieces. For two wires or more, there is one piece for each wire.

Shape and special gripping surface of grooves in plug give maximum support to each cable and distributes even pressure around its entire circumference.



Malleable or Ductile Iron Body

Inside tapered surface is machined to assure proper seating of the Wedging Plug.

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | Complete Fitting Catalog Number | | | Plug Only Catalog Number ① | |
|-----------------------|------------------------------------|----------------|---------------------------------|---|--------------------------|----------------------------|---|
| | Outside Diameter | Overall Height | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Catalog Number Body Only | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 1-1/2 | 66.8 (2.63) | 60.4 (2.38) | R-1501-1 | R-1501-2 | R-1501-BO | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 76.2 (3.00) | 66.8 (2.75) | R-2001-1 | R-2001-2 | R-2001-BO | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 92.2 (3.63) | 79.5 (3.13) | R-2501-1 | R-2501-2 | R-2501-BO | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 104.9 (4.13) | 85.9 (3.38) | R-3001-1 | R-3001-2 | R-3001-BO | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 123.9 (4.88) | 92.2 (3.63) | R-3501-1 | R-3501-2 | R-3501-BO | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 143.0 (5.63) | 95.3 (3.75) | R-4001-1 | R-4001-2 | R-4001-BO | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 171.5 (6.75) | 111.3 (4.38) | R-5001-1 | R-5001-2 | R-5001-BO | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 200.2 (7.88) | 133.4 (5.25) | R-6001-1 | R-6001-2 | R-6001-BO | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

Type DR Cable Supports

For One or More Wires Already Installed in Conduit - Indoors - at all Voltages

Retrofit Type Split Bakelite Body with pOZi-grip® "R-style" Wedging Plug.

Application

- For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

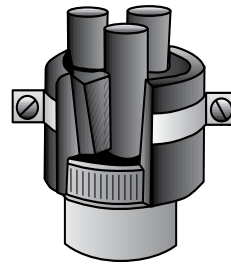
- Retrofit type cable support can be installed after conductors are pulled and terminated.
- Split body rests on existing bushing atop any conduit raceway.
- Use with all types of insulations at all voltages.
- The pOZi-grip® wedging plug exerts uniform pressure around the cable, providing holding force in excess of that required by code without deforming cable insulation.

Material/Finish

- Bodies: two molded canvas bakelite halves
- Wedging plug: canvas bakelite pOZi-grip®
- Band: steel/zinc plated
- Bolts and nuts: stainless steel

Certifications and Compliances

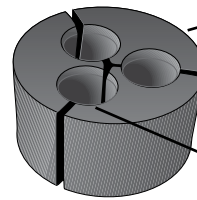
- UL Standard: ANSI/UL 514B
- UL Listed: E11853
- CSA Standard: C22.2 No.18.3
- CSA Certified: 011584



TO ORDER SPECIFY:

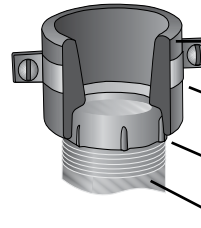
1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Illustrated Features



Canvas Bakelite pOZi-grip® Wedging Plug
For one wire type, the plug consists of two pieces. For two wires or more, there is one piece for each wire.

Shape and special gripping surface of grooves in plug give maximum support to each cable and distributes even pressure around its entire circumference.



Two molded Canvas Bakelite halves.
Inside surface is knurled to grip cables.

Steel band, Zinc Plated. Bolts and nuts are Stainless Steel.

Existing Bushing

Existing Conduit

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | | | Number of Straps | Complete Fitting Catalog Number | | Plug Only Catalog Number ① | |
|-----------------------|------------------------------------|----------------|--------------------------|-----------------|---------------------|------------------|---|---------------------|---|--|
| | Outside Diameter | Overall Height | Approx. Turning Radius R | Inside Diameter | 1-4 Same Size Wires | | Any Number of Different Size Wires or 5 or More Same Size Wires | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | |
| 1-1/2 | 66.8 (2.63) | 50.8 (2.00) | 50.8 (2.00) | 57.2 (2.25) | 25.4 (1.00) | DR-1502-1 | DR-1502-2 | RPLG-1501-1 | RPLG-1501-2 | |
| 2 | 82.6 (3.25) | 57.2 (2.25) | 60.4 (2.38) | 73.2 (2.88) | 25.4 (1.00) | DR-2002-1 | DR-2002-2 | RPLG-2001-1 | RPLG-2001-2 | |
| 2-1/2 | 98.6 (3.88) | 63.5 (2.50) | 76.2 (3.00) | 85.9 (3.38) | 50.8 (2.00) | DR-2502-1 | DR-2502-2 | RPLG-2501-1 | RPLG-2501-2 | |
| 3 | 114.3 (4.50) | 73.2 (2.88) | 79.5 (3.13) | 101.6 (4.00) | 50.8 (2.00) | DR-3002-1 | DR-3002-2 | RPLG-3001-1 | RPLG-3001-2 | |
| 3-1/2 | 133.4 (5.25) | 85.9 (3.38) | 92.2 (3.63) | 117.6 (4.63) | 50.8 (2.00) | DR-3502-1 | DR-3502-2 | RPLG-3501-1 | RPLG-3501-2 | |
| 4 | 146.1 (5.75) | 88.9 (3.50) | 98.6 (3.88) | 130.3 (5.13) | 50.8 (2.00) | DR-4002-1 | DR-4002-2 | RPLG-4001-1 | RPLG-4001-2 | |
| 5 | 171.5 (6.75) | 95.3 (3.75) | 120.7 (4.75) | 158.8 (6.25) | 50.8 (2.00) | DR-5002-1 | DR-5002-2 | RPLG-5001-1 | RPLG-5001-2 | |
| 6 | 209.6 (8.25) | 117.6 (4.63) | 133.4 (5.25) | 187.5 (7.38) | 50.8 (2.00) | DR-6002-1 | DR-6002-2 | RPLG-6001-1 | RPLG-6001-2 | |

① Cable support plugs will not be supplied undrilled.

Type CMT Cable Supports

Ventilating, Compound, Threaded Type. For One or More Wires - Outdoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- To support non-armored electrical cables in vertical conduit risers, furnish a weatherproof seal and provide ventilation at the top of the conduit.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

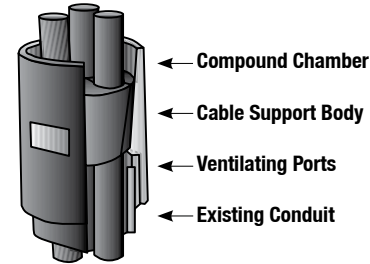
Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- This device not only supports the cable, but furnishes a weatherproof seal and provides ventilation at the top of the conduit riser.
- The temperature in a conduit riser can be reduced 15 °F/-9.4 °C to 20 °F/ -6.6 °C with proper venting. To obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the conduit ventilators.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For threadless rigid conduit, threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC conduit, use a PVC terminal adapter.

Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

Illustrated Features



TO ORDER SPECIFY:

- Catalog Number
- Type and number of conductors in conduit
- Outside diameters of each conductor

Optional Material

- For Lay-In-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.
- For insulating compound, see O-Z/Gedney DOZSeal Insulating Compound page.

Certifications and Compliances

- UL Standard: ANSI/UL 514B

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | 1-4 Same Size Wires | Complete Fitting Catalog Number | | | Plug Only ① Catalog Number | |
|-----------------------|------------------------------------|----------------|-------------------------|---------------------|---|-------------|---------------------|---|--|
| | Outside Diameter | Overall Height | Compound Required Pints | | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | |
| 2 | 79.5 (3.13) | 88.9 (3.50) | 0.25 | CMT-2000-1 | CMT-2000-2 | CMT-2000-BO | RPLG-2001-1 | RPLG-2001-2 | |
| 2-1/2 | 98.6 (3.88) | 101.6 (4.00) | 0.33 | CMT-2500-1 | CMT-2500-2 | CMT-2500-BO | RPLG-2501-1 | RPLG-2501-2 | |
| 3 | 114.3 (4.50) | 111.3 (4.38) | 0.50 | CMT-3000-1 | CMT-3000-2 | CMT-3000-BO | RPLG-3001-1 | RPLG-3001-2 | |
| 3-1/2 | 127.0 (5.00) | 120.7 (4.75) | 0.75 | CMT-3500-1 | CMT-3500-2 | CMT-3500-BO | RPLG-3501-1 | RPLG-3501-2 | |
| 4 | 139.7 (5.50) | 127.0 (5.00) | 1.00 | CMT-4000-1 | CMT-4000-2 | CMT-4000-BO | RPLG-4001-1 | RPLG-4001-2 | |
| 5 | 181.1 (7.13) | 143.0 (5.63) | 1.75 | CMT-5000-1 | CMT-5000-2 | CMT-5000-BO | RPLG-5001-1 | RPLG-5001-2 | |
| 6 | 209.6 (8.25) | 171.5 (6.75) | 3.50 | CMT-6000-1 | CMT-6000-2 | CMT-6000-BO | RPLG-6001-1 | RPLG-6001-2 | |

① Cable support plugs will not be supplied undrilled.

Type V Cable Supports

Ventilating, Compound, Setscrew type. For One or more wires - Outdoors - at all voltages

All Bakelite Cable Support For Threadless Rigid Conduit and IMC with pOzi-grip® "R-style" Wedging Plug.

Application

- To support non-armored electrical cables in vertical conduit risers, furnish a weatherproof seal and provide ventilation at the top of the conduit.

Features

- Use with all types of insulations at all voltages.
- A special cable support made of canvas bakelite. This support furnishes a weatherproof seal and provides ventilation at the top of the conduit riser. The temperature in a riser can be reduced 15 °F/-9.4 °C to 20 °F/-6.6 °C with proper venting. To obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the conduit ventilators.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- Body can also be mounted on EMT in trade sizes 2-1/2 thru 4.

Material/Finish

- Body and plug: canvas bakelite

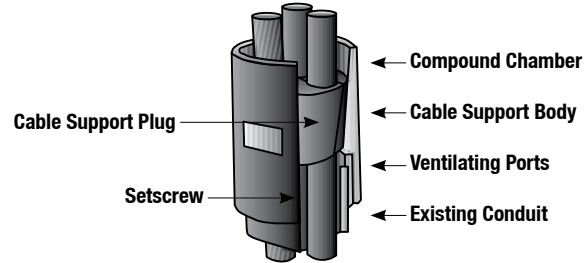
Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For insulating compound, see O-Z/Gedney dOZSeal Insulating Compound page.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-11853

Illustrated Features



TO ORDER SPECIFY:

- Catalog Number
- Type and number of conductors in conduit
- Outside diameters of each conductor

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | Complete Fitting Catalog Number | | | Plug Only Catalog Number ① | |
|--------------------------|---------------------------------------|-------------------|-------------------------------|------------------------------------|---|-----------|-------------------------------|--|
| | Outside Diameter | Overall Height | Compound Required Pints | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 2 | 82.6 (3.25) | 95.3 (3.75) | 0.25 | V-2005-1 | V-2005-2 | V-2005-BO | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 95.3 (3.75) | 104.9 (4.13) | 0.33 | V-2505-1 | V-2505-2 | V-2505-BO | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 111.3 (4.38) | 114.3 (4.50) | 0.50 | V-3005-1 | V-3005-2 | V-3005-BO | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 127.0 (5.00) | 127.0 (5.00) | 0.75 | V-3505-1 | V-3505-2 | V-3505-BO | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 136.7 (5.38) | 136.7 (5.38) | 1.00 | V-4005-1 | V-4005-2 | V-4005-BO | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 174.8 (6.88) | 152.4 (6.00) | 1.75 | V-5005-1 | V-5005-2 | V-5005-BO | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 206.5 (8.13) | 177.8 (7.00) | 3.50 | V-6005-1 | V-6005-2 | V-6005-BO | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

Type C Cable Supports

Compound: Non-Ventilating. For One or More Wires Outdoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- To seal the end of conduit and support non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Threaded for rigid conduit and IMC.
- Use with all types of insulations at all voltages.
- This device not only supports the cable, but furnishes a watertight seal at the top of a conduit riser.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For threadless rigid conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC conduit, use a PVC terminal adapter.

Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

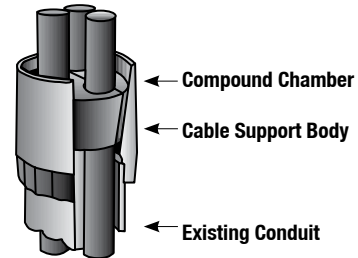
Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For Lay-in-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.
- For insulating compound, see O-Z/Gedney DOZSeal Insulating Compound page.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853

Illustrated Features



TO ORDER SPECIFY: ①

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | | Complete Fitting Catalog Number | | | Plug Only Catalog Number ① | |
|--------------------------|---------------------------------------|-------------------|-------------------------------|------------------------------------|--|-----------|-------------------------------|--|
| | Outside Diameter | Overall Height | Compound Required Pints | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 2 | 79.5 (3.13) | 88.9 (3.50) | 0.25 | C-2004-1 | C-2004-2 | C-2004-BO | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 98.6 (3.88) | 101.6 (4.00) | 0.33 | C-2504-1 | C-2504-2 | C-2504-BO | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 114.3 (4.50) | 111.3 (4.38) | 0.50 | C-3004-1 | C-3004-2 | C-3004-BO | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 127.0 (5.00) | 120.7 (4.75) | 0.66 | C-3504-1 | C-3504-2 | C-3504-BO | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 139.7 (5.50) | 127.0 (5.00) | 1.00 | C-4004-1 | C-4004-2 | C-4004-BO | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 181.1 (7.13) | 143.0 (5.63) | 1.75 | C-5004-1 | C-5004-2 | C-5004-BO | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 209.6 (8.25) | 171.5 (6.75) | 3.50 | C-6004-1 | C-6004-2 | C-6004-BO | RPLG-6001-1 | RPLG-6001-2 |

① Cable support plugs will not be supplied undrilled.

Type K Cable Supports

Locking Style: Horizontal or Inverted - One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC and EMT with pOZi-grip® "R-style" Wedging Plug.

Application

- Can be installed in horizontal or inverted position.
- For supporting non-armored electrical cables in conduit.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

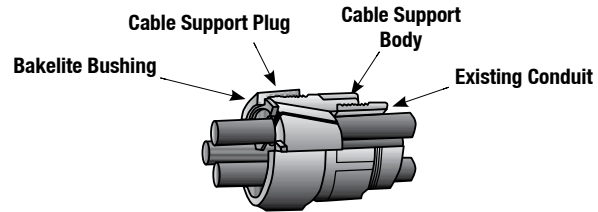
Features

- Threaded for Rigid Conduit and IMC.
- Use with all types of insulations at all voltages.
- The design of this support is similar to the Type R except that it is equipped with a locking collar which securely holds the pOZi-grip® wedging plug in place. This permits the support to be installed in any position and provides holding force against pull in either direction.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place.
- If mounting on a non-metallic/non-grounded conduit, a Lay-In-Lug™ grounding lug should be mounted on cable support body.
- For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector.
- For PVC Conduit, use a PVC terminal adapter.

Material/Finish

- Body and locking collar: malleable or ductile iron with hot dip galvanized finish

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

Options

- Can also be supplied for standard tapered ends of fiber conduit. Contact your local sales representative.
- For Lay-in-Lug, see O-Z/Gedney Lay-In-Lug Grounding Lugs for use with cable supports.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E11853

| Conduit Size (Inches) | Dimensions in Millimeters (Inches) | | Complete Fitting Catalog Number | | | Plug Only Catalog Number ② | |
|-----------------------|------------------------------------|----------------|---------------------------------|---|-------------|----------------------------|---|
| | Outside Diameter | Overall Height | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only ① | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 1-1/2 | 73.2 (2.88) | 69.9 (2.75) | K-1503-1 | K-1503-2 | K-1503-BO | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 85.9 (3.38) | 79.5 (3.13) | K-2003-1 | K-2003-2 | K-2003-BO | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 101.6 (4.00) | 88.9 (3.50) | K-2503-1 | K-2503-2 | K-2503-BO | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 114.3 (4.50) | 95.3 (3.75) | K-3003-1 | K-3003-2 | K-3003-BO | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 130.3 (5.13) | 101.6 (4.00) | K-3503-1 | K-3503-2 | K-3503-BO | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 158.8 (6.25) | 111.3 (4.38) | K-4003-1 | K-4003-2 | K-4003-BO | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 187.5 (7.38) | 123.9 (4.88) | K-5003-1 | K-5003-2 | K-5003-BO | RPLG-5001-1 | RPLG-5001-2 |
| 6 | 212.9 (8.38) | 146.1 (5.75) | K-6003-1 | K-6003-2 | K-6003-BO | RPLG-6001-1 | RPLG-6001-2 |

① Includes Locking Collar and Bushing.

② Cable support plugs will not be supplied undrilled.

Type M Cable Supports

Space-Maker Style - One or More Wires - Indoors - at all Voltages

For Rigid Conduit, IMC ① and EMT with pOzi-grip® "R-style" Wedging Plug.

Application

- Use where there is insufficient room for a cable support inside a junction box. For supporting non-armored electrical cables in vertical conduit risers.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.

Features

- Use with all types of insulations at all voltages.
- This fitting is similar to the Type R support, except that it is threaded at the top to allow fastening to a cabinet (1/4 max. thickness) with standard locknuts or threading into tapped (NPT) openings.
- Body Only can be ordered separately, for installation prior to wire pulling. Plug Only can be ordered later, once wires are in place. ③

Material/Finish

- Body: malleable or ductile iron with hot dip galvanized finish

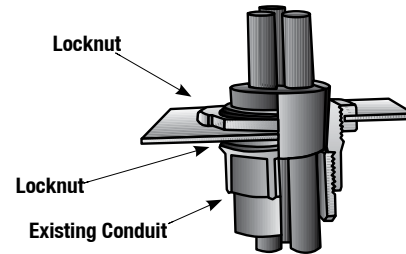
Options

- For Lay-In-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.

Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: 11853

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

| Conduit Size (Inches) | Knockout Size (Inches) | Dimensions in Millimeters (Inches) | | | Complete Fitting Catalog Number | | | Plug Only Catalog Number ③ | |
|-----------------------|------------------------|------------------------------------|----------------|------------------------|---------------------------------|---|-------------|----------------------------|---|
| | | Outside Diameter | Overall Height | Approx. Overall Length | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires | Body Only ② | 1-4 Same Size Wires | Any Number of Different Size Wires or 5 or More Same Size Wires |
| 1 - 1/2 | 2 | 25.4 (1.00) | 66.8 (2.63) | 57.2 (2.25) | M-1520-1 | M-1520-2 | M-1520-BO | RPLG-1501-1 | RPLG-1501-2 |
| 2 | 2-1/2 | 28.7 (1.13) | 76.2 (3.00) | 66.8 (2.63) | M-2025-1 | M-2025-2 | M-2025-BO | RPLG-2001-1 | RPLG-2001-2 |
| 2-1/2 | 3 | 31.8 (1.25) | 92.2 (3.63) | 73.2 (2.88) | M-2530-1 | M-2530-2 | M-2530-BO | RPLG-2501-1 | RPLG-2501-2 |
| 3 | 3-1/2 | 35.1 (1.38) | 104.9 (4.13) | 79.5 (3.13) | M-3035-1 | M-3035-2 | M-3035-BO | RPLG-3001-1 | RPLG-3001-2 |
| 3-1/2 | 4 | 38.1 (1.50) | 123.9 (4.88) | 85.9 (3.38) | M-3540-1 | M-3540-2 | M-3540-BO | RPLG-3501-1 | RPLG-3501-2 |
| 4 | 5 | 41.4 (1.63) | 143.0 (5.63) | 95.3 (3.75) | M-4050-1 | M-4050-2 | M-4050-BO | RPLG-4001-1 | RPLG-4001-2 |
| 5 | 6 | 41.4 (1.63) | 171.5 (6.75) | 104.9 (4.13) | M-5060-1 | M-5060-2 | M-5060-BO | RPLG-5001-1 | RPLG-5001-2 |

① For Threadless Rigid Conduit, Threadless IMC, or EMT, the body can be attached to the male threads of a set-screw or compression connector. For PVC Conduit, use a PVC terminal adapter. If mounting on a non-metallic/non-grounded conduit, a Type G grounding lug should be mounted on cable support body.

② Includes two locknuts.

③ Cable support plugs will not be supplied undrilled.

Type W Cable Supports

Pull Box Style - Raintite Enclosed - For One or More Wires - at all Voltages

For Threaded Rigid Conduit and IMC with pOzi-grip® "R-style" Wedging Plug.w

Applications

- For all types of insulations at all voltages.
- Provides intermediate support of non-armored conductors in an indoor/outdoor vertical conduit run where a junction box and/or pull point is unavailable.

Features

- Meets NEC Section 300.19(A) requirements for intermediate supports at midpoints in vertical conduit risers.
- Requires less space in conduit run than rectangular junction box. May be mounted side-by-side or staggered in multiple conduit runs.
- Type W cable support is essentially a modified type R cable support mounted within a pull box fitting.
- Lay-In-Lug™ grounding lug can be mounted on pull box end fitting.

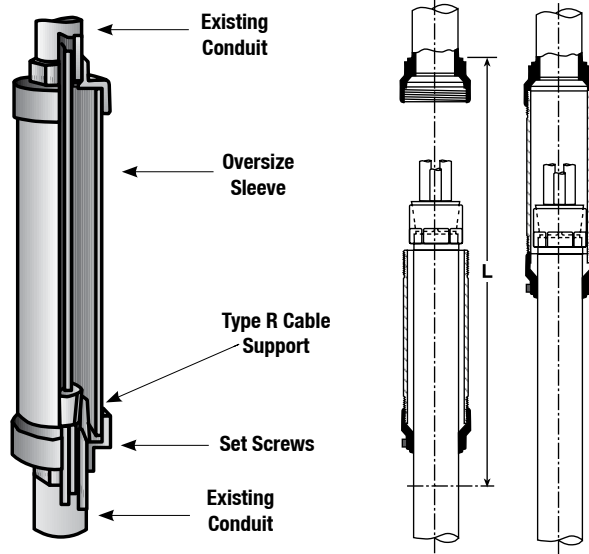
Material/Finish

- Cable support body and pull box end fittings: malleable or ductile iron
- Oversize sleeve: steel
- Hot dip galvanized finish

Options

- For Lay-In-Lug, see O-Z/Gedney Type G Grounding Lugs for use with cable supports.

Illustrated Features



TO ORDER SPECIFY:

1. Catalog Number
2. Type and number of conductors in conduit
3. Outside diameters of each conductor

| Conduit Size (Inches) | Sleeve Furnished With Fitting | | Dimensions in Millimeters (Inches) Overall Length | | | 1-4 Same Size Wires | | 5 or More Wires or Different Size Wires | |
|-----------------------|-------------------------------|--------|---|----------------|-----------------------|---------------------|------------------------|---|------------------------|
| | Trade Size (Inches) | Length | Maximum Diameter | Fitting Closed | Fitting Open (Min.) L | Fitting With Sleeve | Fitting Without Sleeve | Fitting With Sleeve | Fitting Without Sleeve |
| 1-1/2 | 63.5 (2.50) | 12" | 85.9 (3.38) | 393.7 (15.50) | 26 | W-1508-1-OS | W-1508-1-LS | W-1508-2-OS | W-1508-2-LS |
| 2 | 76.2 (3.00) | 15" | 101.6 (4.00) | 476.3 (18.75) | 32 | W-2008-1-OS | W-2008-1-LS | W-2008-2-OS | W-2008-2-LS |
| 2-1/2 | 88.9 (3.50) | 15" | 127.0 (5.00) | 488.9 (19.25) | 32 | W-2508-1-OS | W-2508-1-LS | W-2508-2-OS | W-2508-2-LS |
| 3 | 101.6 (4.00) | 15" | 130.3 (5.13) | 488.9 (19.25) | 32 | W-3008-1-OS | W-3008-1-LS | W-3008-2-OS | W-3008-2-LS |
| 3-1/2 | 114.3 (4.50) | 18" | 146.1 (5.75) | 571.5 (22.50) | 38 | W-3508-1-OS | W-3508-1-LS | W-3508-2-OS | W-3508-2-LS |
| 4 | 127.0 (5.00) | 18" | 158.8 (6.25) | 571.5 (22.50) | 38 | W-4008-1-OS | W-4008-1-LS | W-4008-2-OS | W-4008-2-LS |
| 5 | 177.8 (7.00) | 18" | 212.9 (8.38) | 596.9 (23.50) | 39 | W-5008-1-OS | W-5008-1-LS | W-5008-2-OS | W-5008-2-LS |
| 6 | 203.2 (8.00) | 18" | 241.3 (9.50) | 615.9 (24.25) | 39 | W-6008-1-OS | W-6008-1-LS | W-6008-2-OS | W-6008-2-LS |

Type KVM and Type KVF Conduit Ventilators

For Threaded Rigid Conduit and IMC.

Applications

- To provide for the flow of cooling air through a conduit riser.

Features

- The Type KVF conduit ventilators when used at the bottom of a vertical conduit riser which is properly vented at the top, provides for the movement of cooling air through the riser. The temperature in a riser can thus be reduced 15° to 20° F improving the service life of the cable and increasing its load-carrying capacity.
- The Type KVM conduit ventilator has a male threaded nipple at the top and is used in conjunction with a cable terminator or other device having a female thread where ventilation is desired.

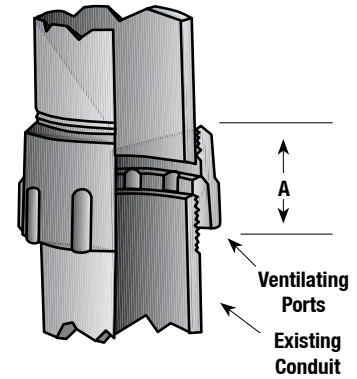
Material/Finish

- Bodies of fittings are cast Aluminum.
- Type KVM nipple is steel, zinc electroplated.

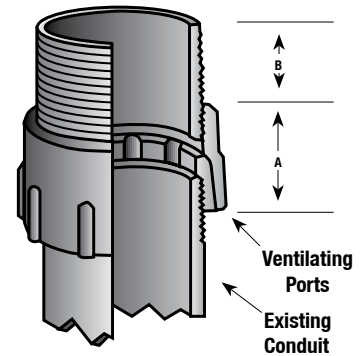
Optional Material

- KVM nipple: available in aluminum. Add suffix **-A** to catalog number.

Illustrated Features



Type KVF



Type KVM

| Conduit Size (Inches) | Catalog Number | Type KVF | | Type KVM | | Dimensions in Millimeters (Inches) | | |
|--------------------------|-----------------|-------------------------------|-----------------|-----------------------------|-----------------|------------------------------------|--------------|--------------|
| | | Trade Size Top Female Thd. | Catalog Number | Trade Size Top Male Thd. | Catalog Number | Max Dia. | A. | B. Approx. |
| 1-1/2 | KVF-1515 | 1½" | KVM-1515 | 1-1/2 | KVM-1515 | 69.85 (2.75) | 44.45 (1.75) | 25.4 (1) |
| 2 | KVF-2020 | 2" | KVM-2020 | 2 | KVM-2020 | 82.55 (3.25) | 44.45 (1.75) | 28.7 (1.13) |
| 2-1/2 | KVF-2525 | 2½" | KVM-2525 | 2-1/2 | KVM-2525 | 98.55 (3.88) | 57.15 (2.25) | 35.05 (1.38) |
| 3 | KVF-3030 | 3" | KVM-3030 | 3 | KVM-3030 | 114.3 (4.5) | 57.15 (2.25) | 38.1 (1.5) |
| 3-1/2 | KVF-3535 | 3½" | KVM-3535 | 3-1/2 | KVM-3535 | 127 (5) | 63.5 (2.5) | 38.1 (1.5) |
| 4 | KVF-4040 | 4" | KVM-4040 | 4 | KVM-4040 | 139.7 (5.5) | 63.5 (2.5) | 41.4 (1.63) |
| 5 | KVF-5050 | 5" | KVM-5050 | 5 | KVM-5050 | 184.15 (7.25) | 73.15 (2.88) | 41.4 (1.63) |
| 6 | KVF-6060 | 6" | KVM-6060 | 6 | KVM-6060 | 209.55 (8.25) | 73.15 (2.88) | 44.45 (1.75) |

Type G Cable Supports

Lay-In-Lug™ Grounding Lugs for use with Cable Supports

Factory Installed. For mounting on O-Z/Gedney fittings. Copper Plus™ Lay-In-Lug™ Grounding Wire Connectors.

Application

- Provides a compact means of attaching a grounding or bonding conductor to an O-Z/Gedney fitting.

Features

- Highly conductive tin-plated copper saddle for use with copper or aluminum conductors.
- Connector opening allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- These grounding wire connectors are used on the specification insulated grounding bushings.
- Grounding lugs not sold separately.

Material/Finish

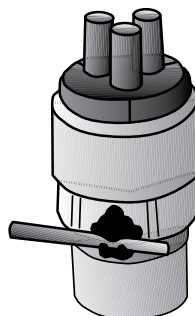
- Grounding Saddle/Tin Plated Copper
- Clamping Tension Body/Stainless Steel
- Screws/Stainless Steel

Certifications and Compliances

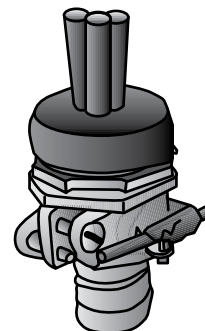
- UL Standard: ANSI/UL 514B, 467
- UL Listed: E24264
- CSA Standard: C22.2 No. 18, 41
- CSA Certified: 11584

Note:

1. Type G Grounding Lugs are only furnished factory-mounted to O-Z/Gedney fittings.
2. Grounding Lugs are not sold separately.
3. Type G Grounding Lugs are not compatible with all O-Z/Gedney fittings in this catalog. Please review specific fittings catalog page to insure compatibility. If unsure, please contact your local representative before ordering.



Mounted on Cable Support



Mounted on PK Clamp

TO ORDER:

Place the order for each grounding lug on the next order line immediately after the fitting that the lug will be attached to. See Note prior to ordering.

Ordering Example:

| Item # | Quantity | Description | Part Number |
|--------|----------|-------------------|-------------|
| 1 | 5 | Cable Termination | PK-200 |
| 2 | 5 | Grounding Lug | G-04S |

| Grounding Min. | Wire Size ① Max. | Lug Rating | Trade Size (Inches) ② | Part Number |
|----------------|------------------|------------|-----------------------|-------------|
| 14 | 4 | CU only | 1/2 – 6 | G-04S |
| 8 | 2/0 | AL-CU | 1/2 – 6 | G-22S |
| 6 | 4/0 | AL-CU | 2-1/2 – 6 | G-24S |
| 250 | 500 | CU only | 2-1/2 – 6 | G-25S |

① Solid or stranded for No. 4 AWG or smaller; stranded for No. 2 or larger

② Indicates trade sizes of fitting to which grounding wire connector can be mounted.

Type F Cable Supports

Unthreaded Conduit, FT: Threaded Conduit, FS: Structure Mount

For Wire Armored Cable

Applications

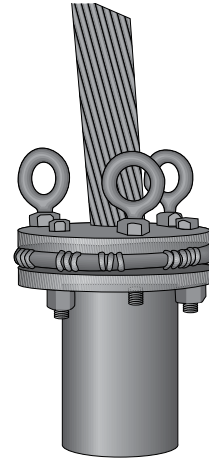
- For supporting wire armored cable in a vertical rise. Also used for supporting submarine cables.

Material/Finish

- Steel/Hot dip galvanized

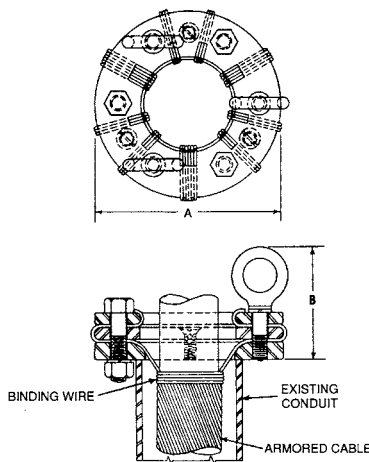
TO ORDER SPECIFY:

- 1 Catalog Number
- 2 Type and complete description of cable
- 3 Outside diameter of cable over wire armor
- 4 Conduit size (on F and FT series only)

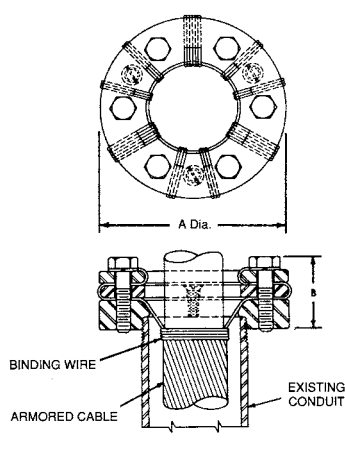


Upper End of Cable, Supported by Type F Cable

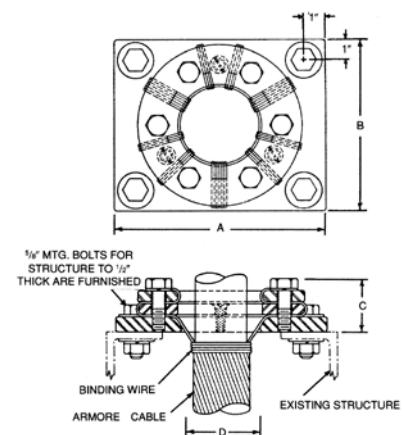
| Max. Conduit Size | Max. Cable Dia. over Wire Armor ① | Dimensions in Millimeters (Inches) | | Catalog Number | Max. Conduit Size | Max. Cable Dia. over Wire Armor ① | Dimensions in Millimeters (Inches) | | Catalog Number | Max. Cable Dia. over Wire Armor ① | Dimensions in Millimeters (Inches) | | | | Catalog Number |
|-------------------|--------------------------------------|------------------------------------|------------------|----------------|-------------------|--------------------------------------|------------------------------------|-----------------|----------------|--------------------------------------|------------------------------------|--------------|---------------|----------------|----------------|
| | | A | B. Approx. | | | | A | B. Approx. | | | A | B. Approx. | C | D | |
| 3 | 2 | 177.8 (7) | 120.65 (4.75) | F-3020 | 3 | 2 | 177.8 (7) | 73.15 (2.88) | FT-3020 | 2.0 | 228.6 (9) | 177.8 (7) | 63.5 (2.5) | 63.5 (2.5) | FS-0720 |
| 4 | 3 | 203.2 (8) | 120.65 (4.75) | F-4030 | 4 | 3 | 203.2 (8) | 73.15 (2.88) | FT-4030 | 3.0 | 254 (10) | 203.2 (8) | 63.5 (2.5) | 88.9 (3.5) | FS-0830 |
| 5 | 4 | 228.6 (9) | 120.65 (4.75) | F-5040 | 5 | 4 | 228.6 (9) | 73.15 (2.88) | FT-5040 | 4.0 | 279.4 (11) | 228.6 (9) | 63.5 (2.5) | 114.3 (4.5) | FS-0940 |
| 6 | 5 | 254 (10) | 158.75 (6.25) | F-6050 | 6 | 5 | 254 (10) | 101.6 (4) | FT-6050 | 5.0 | 304.8 (12) | 254 (10) | 88.9 (3.5) | 139.7 (5.5) | FS-1050 |



Type F – For Use with Unthreaded Conduit



Type FT – For Use with Threaded Conduit



Type FS – For Mounting on an Existing Structure

① No minimum cable O.D.

Type SF 1773 Cable Supports

For Wire Armored Cable

Auxiliary Supports

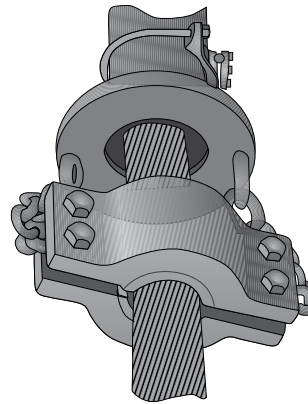
Special auxiliary support specified for use at the lower end of a conduit riser may be provided as an added factor of safety up to 10,000 lbs. Similar types are often used as intermediate supports when armored cable is run exposed. Contact your local representative for price and availability.

Notes

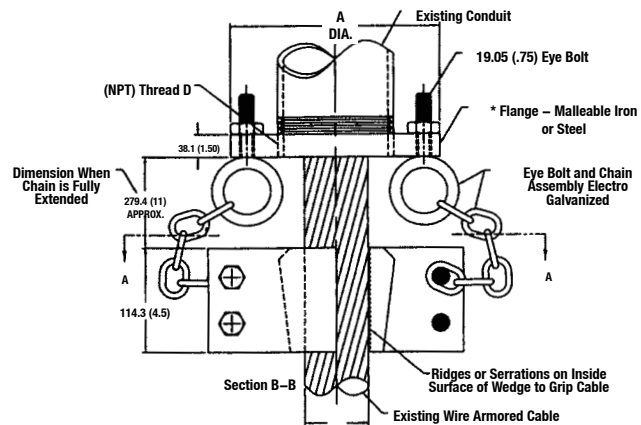
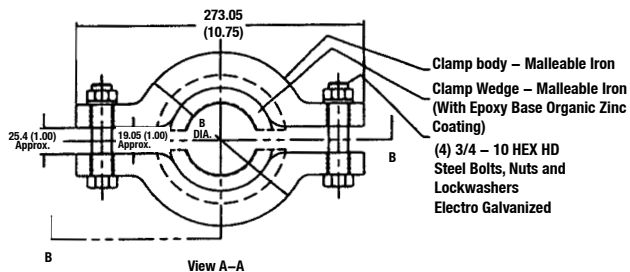
- All parts to be Hot Dip Galvanized except as noted.
- All Dimensions are nominal and may vary according to normal Foundry and Manufacturing Tolerances.

Specify

1. Catalog No.
2. C Dia. (Over Armor)
3. Conduit Size



Type SF 1773



| Max. Cable DIA C | Min. Cable DIA | Dimensions in Millimeters (Inches) | | | Catalog ① Number |
|------------------------|-------------------|------------------------------------|----------------|---------------|---------------------|
| | | Max. Conduit THD in Flange D | A DIA | B DIA | |
| 4 | 3 | 127 (5) | 231.9 (9.13) | 196.85 (7.75) | SF1773-L4050 |
| 4 | 3 | 152.4 (6) | 276.35 (10.88) | 196.85 (7.75) | SF1773-L4060 |

① Supports are available less Flange for mounting to structure - Specify Catalog Number less the last two numerals. ie: SF1773-S30.

Cable Terminators

Applications

- Cable Terminators and Sealing Fittings are used on conduit ends and cable ends to effectively seal the cable and conduit.

Terminator

- The Terminator body is deep enough to provide an ample compound chamber for use indoors or outdoors. A Canvas Bakelite Cover, either with or without taping cones, is provided to space and protect the cables. Instead of a cover, a female thread can be furnished for use with a short nipple or a flexible conduit adapter. The Terminator is recommended for sealing the ends of multi-conductor cables and for sealing the ends of conduit, and cables.

Compound Bushing

- The Compound Bushing is more compact than the Terminator. Its compound chamber is not as deep. No cover or top thread is provided. It is for use in protected locations where space is limited.

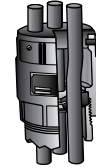
Sealing Bushing

- The Sealing Bushing is similar to the compound Bushing except that a compound chamber is not provided. This fitting therefore is not recommended as a cable sealing device for use at the ends of multi-conductor cable. However, the conduit end is effectively sealed around the cable by neoprene gaskets for rubber type insulations. It is widely used to seal the ends of conduit against moisture, dust, corrosive atmospheres and objectionable gases. It is also used to seal conduit against the entrance of warm humid air which would otherwise condense inside the conduit.

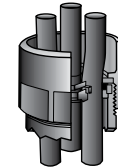
Conduit Sealing Bushings

- Conduit Sealing Bushings are used for sealing ends of conduit where cables emerge in applications involving higher fluid or gas pressures than can be handled by standard sealing bushings. These Conduit Sealing Bushings are compact and require only as much space inside a cabinet as an ordinary conduit bushing.

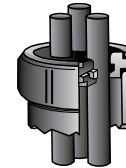
Terminator



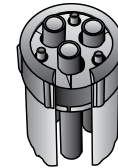
Compound Bushing



Sealing Bushing



Conduit Sealing Bushings

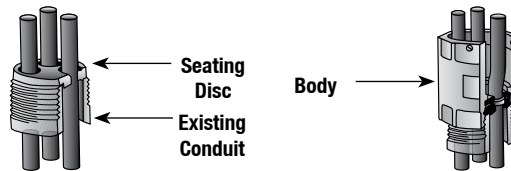


Cable Terminators

Applications

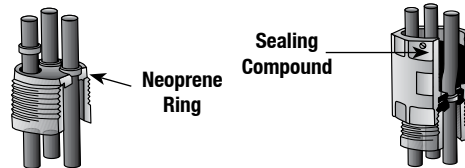
- There are many types of fittings containing Bakelite discs and O-rings which can be safely drilled in the field by following our detailed instructions. "These fittings will perform satisfactorily only when properly machined to the actual dimensions for the specific O.D. of cable used. Detailed instruction sheets containing layout data and special assembly procedures are supplied with blank fittings. Failure to comply may result in compound leakage and/or loss of seal around cable. O-Z/Gedney is not responsible for any field machined or modified fittings."

The basic principles used throughout the line of O-Z/Gedney Terminators covering their use with Rubber Covered Cables are clearly illustrated in this assembly.



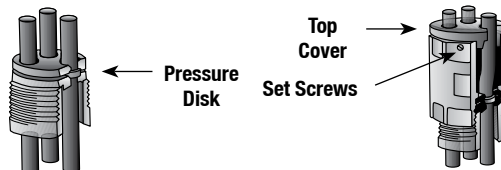
1. After cables are prepared, Bakelite seating disc with properly drilled holes is slipped over cables and set into the conduit.

4. The body is then screwed directly on the conduit, clamping the discs and applying pressure to the neoprene rings.



2. Neoprene rings, are placed around the cables and set into recesses in the seating disc.

5. Compound is heated to the proper temperature and the body filled to the height of the set screws, making a complete seal.



3. A Canvas Bakelite pressure disc is passed over the cables and set on top of the neoprene rings, holding them firmly in place.

6. Before compound sets, Canvas Bakelite top cover is passed over the conductors, pushed down into the hot compound and secured by set screws.

Cable Terminators

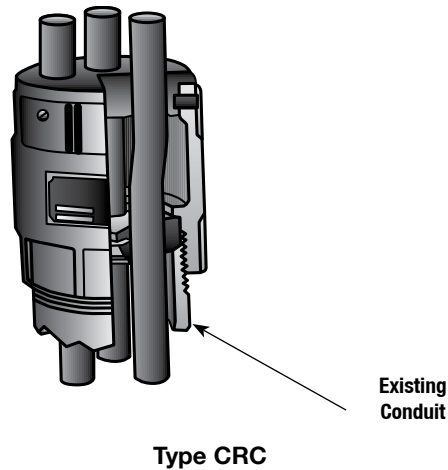
With Compound Chamber For Threaded Rigid Conduit

Applications

- To effectively seal one or more single or multiple conductor cables and the conduit against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables in rigid conduit.
- Provides an ample sealing compound chamber for use indoors or outdoors.
- For applications involving IMC, EMT or PVC conduit, a short nipple of rigid conduit should be used entering the bottom threaded hub.
- Sealing Compound is not included and must be ordered separately.
- Can be field-drilled.



Standard Materials

- Body - malleable or ductile iron casting

Standard Finishes

- Body - hot dip galvanized
- Sealing disc - canvas bakelite

Options

- Fittings can be furnished for more than four wires or wires of varying sizes.
- Lay-In-Lug™ Grounding Lug can be mounted on Terminator Body.
- Type CRC terminators are available with tapping cones for sealing rubber or plastic insulated cables.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings. Specify optional Aluminum material, see above.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584

TO ORDER SPECIFY:

1. Catalog Number
2. Number of cables
3. Diameter over insulation of each cable

| Conduit Size | Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | Approx. Compound Req'd. (Pints) | Catalog Number |
|--------------|--|--------------|--------------|--------------|------------------------------------|----------------|---------------------------------|----------------|
| | 1* Wire | 2 Wires | 3 Wires | 4 Wires | Max. Dia. | Overall Height | | |
| 1-1/4" | 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 57.15 (2.25) | 79.5 (3.13) | 1/8 | CRC-125 |
| 1-1/2" | 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 60.45 (2.38) | 82.55 (3.25) | 1/8 | CRC-150 |
| 2" | 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 76.2 (3) | 95.25 (3.75) | 1/4 | CRC-200 |
| 2-1/2" | 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 88.9 (3.5) | 107.95 (4.25) | 1/2 | CRC-250 |
| 3" | 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 107.95 (4.25) | 120.65 (4.75) | 3/4 | CRC-300 |
| 3-1/2" | 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 120.65 (4.75) | 130.3 (5.13) | 1 | CRC-350 |
| 4" | 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 136.65 (5.38) | 149.35 (5.88) | 1-1/2 | CRC-400 |
| 5" | 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 165.1 (6.5) | 165.1 (6.5) | 2-3/4 | CRC-500 |
| 6" | 114.3 (4.5) | 60.71 (2.39) | 58.42 (2.3) | 48.77 (1.92) | 193.8 (7.63) | 174.75 (6.88) | 4 | CRC-600 |

Conduit Compound Bushings

For Ends of Threaded Rigid Conduit

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables in rigid conduit.
- Provides an ample sealing compound chamber for use indoors or outdoors.
- Sealing Compound is not included and must be ordered separately.
- For applications involving IMC, EMT or PVC conduit, a short nipple of rigid conduit should be used entering the bottom threaded hub.
- Lay-In-Lug™ Grounding Lug can be mounted on Terminator Body.
- Can be field-drilled.

Standard Materials

- 1" and 1-1/4" body - steel
- Larger bodies - malleable or ductile iron

Standard Finishes

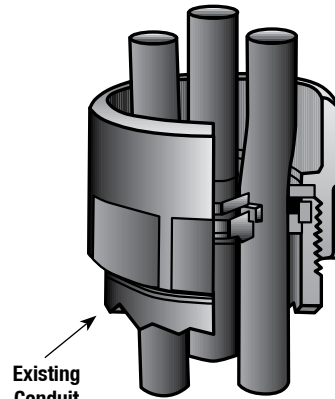
- 1" and 1-1/4" body - zinc electroplated
- Larger bodies - hot dip galvanized
- Sealing disc - canvas bakelite

Options

- Steel Bodies 1" and 1-1/4" are available with hot dip galvanized finish.
- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type FR

TO ORDER SPECIFY:

- Catalog Number
- Number of cables
- Diameter over insulation of each cable

| Conduit Size | Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | Approx. Compound Req'd.Pints | Catalog Number |
|--------------|--|--------------|--------------|--------------|------------------------------------|----------------|------------------------------|----------------|
| | 1* Wire | 2 Wires | 3 Wires | 4 Wires | Maximum Diameter | Overall Height | | |
| 1" | 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 44.45 (1.75) | 41.4 (1.63) | 1/20 | FR-100 |
| 1-1/4" | 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 54.1 (2.13) | 44.45 (1.75) | 1/20 | FR-125 |
| 1-1/2" | 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 60.45 (2.38) | 47.75 (1.88) | 1/8 | FR-150 |
| 2" | 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 76.2 (3) | 50.8 (2) | 1/6 | FR-200 |
| 2-1/2" | 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 92.2 (3.63) | 63.5 (2.5) | 1/3 | FR-250 |
| 3" | 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 104.9 (4.13) | 66.8 (2.63) | 1/2 | FR-300 |
| 3-1/2" | 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 117.6 (4.63) | 66.8 (2.63) | 1/2 | FR-350 |
| 4" | 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 130.3 (5.13) | 66.8 (2.63) | 2/3 | FR-400 |
| 5" | 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 171.45 (6.75) | 79.5 (3.13) | 1 | FR-500 |

Cabinet Compound Bushings

For Threaded Rigid Conduits Entering Cabinets

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables in rigid conduit.
- Provides an ample sealing compound chamber for use indoors or outdoors.
- Sealing Compound is not included and must be ordered separately.
- For applications involving IMC, EMT or PVC conduit, a short nipple of rigid conduit should be used entering the bottom threaded hub.
- Lay-In-Lug™ Grounding Lug can be mounted on Terminator Body.
- Can be field-drilled.

Standard Materials

- 1" and 1-1/4" body - steel
- Larger bodies - malleable or ductile iron

Standard Finishes

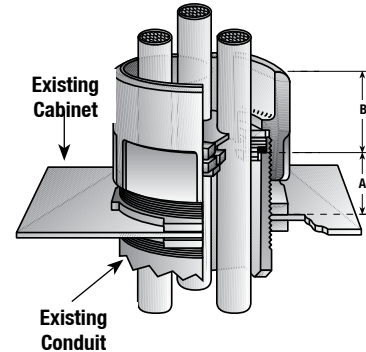
- 1" and 1-1/4" body - zinc electroplated
- Larger bodies - hot dip galvanized
- Sealing disc - canvas bakelite

Options

- Steel Bodies 1" and 1-1/4" are available with hot dip galvanized finish.
- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type HRK

TO ORDER SPECIFY:

- Catalog Number
- Number of conductors
- Diameter over insulation of each cable

| Conduit Size | Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | | Approx. Compound Req'd.Pints | Catalog Number |
|--------------|--|--------------|--------------|--------------|------------------------------------|--------------|--------------|------------------------------|----------------|
| | 1* Wire | 2 Wires | 3 Wires | 4 Wires | Maximum Diameter | "A" Min. | "B" | | |
| 1" | 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 44.45 (1.75) | 25.4 (1) | 28.7 (1.13) | 1/20 | HRK-100 |
| 1-1/4" | 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 60.45 (2.38) | 25.4 (1) | 31.75 (1.25) | 1/20 | HRK-125 |
| 1-1/2" | 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 66.8 (2.63) | 25.4 (1) | 31.75 (1.25) | 1/8 | HRK-150 |
| 2" | 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 79.5 (3.13) | 28.7 (1.13) | 38.1 (1.5) | 1/6 | HRK-200 |
| 2-1/2" | 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 92.2 (3.63) | 35.05 (1.38) | 44.45 (1.75) | 1/3 | HRK-250 |
| 3" | 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 111.25 (4.38) | 38.1 (1.5) | 47.75 (1.88) | 1/2 | HRK-300 |
| 3-1/2" | 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 127 (5) | 38.1 (1.5) | 47.75 (1.88) | 1/2 | HRK-350 |
| 4" | 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 139.7 (5.5) | 38.1 (1.5) | 47.75 (1.88) | 2/3 | HRK-400 |
| 5" | 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 174.75 (6.88) | 41.4 (1.63) | 60.45 (2.38) | 1 | HRK-500 |

Cabinet Compound Bushings

For Exposed Cables Entering Cabinets

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables in rigid conduit.
- Provides an ample sealing compound chamber for use indoors or outdoors.
- Sealing Compound is not included and must be ordered separately.
- For applications involving IMC, EMT or PVC conduit, a short nipple of rigid conduit should be used entering the bottom threaded hub.
- Lay-In-Lug™ Grounding Lug can be mounted on Terminator Body.
- Can be field-drilled.

Standard Materials

- 1" and 1-1/4" body - steel
- Larger bodies - malleable or ductile iron

Standard Finishes

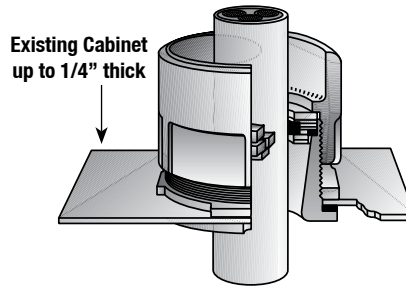
- 1" and 1-1/4" body - zinc electroplated
- Larger bodies - hot dip galvanized
- Sealing disc - canvas bakelite

Options

- Steel Bodies 1" and 1-1/4" are available with hot dip galvanized finish.
- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type HRE

TO ORDER SPECIFY:
 1. Catalog Number
 2. Number of conductors
 3. Diameter over insulation of each conductor

| Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | | Approx. Compound Req'd.Pints | Catalog Number |
|--|--------------|--------------|--------------|------------------------------------|------------------|----------------|------------------------------|----------------|
| 1* Wire | 2 Wires | 3 Wires | 4 Wires | Knockout Size | Maximum Diameter | Overall Height | | |
| 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 1" | 44.45 (1.75) | 54.1 (2.13) | 1/20 | HRE-100 |
| 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 1-1/4" | 60.45 (2.38) | 57.15 (2.25) | 1/20 | HRE-125 |
| 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 1-1/2" | 66.8 (2.63) | 57.15 (2.25) | 1/8 | HRE-150 |
| 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 2" | 79.5 (3.13) | 66.8 (2.63) | 1/6 | HRE-200 |
| 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 2-1/2" | 92.2 (3.63) | 79.5 (3.13) | 1/3 | HRE-250 |
| 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 3" | 111.25 (4.38) | 85.85 (3.38) | 1/2 | HRE-300 |
| 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 3-1/2" | 127 (5) | 85.85 (3.38) | 1/2 | HRE-350 |
| 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 4" | 139.7 (5.5) | 85.85 (3.38) | 2/3 | HRE-400 |
| 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 5" | 174.75 (6.88) | 101.6 (4) | 1 | HRE-500 |

Cabinet Compound Bushings

For Exposed Cables Entering Cabinets - with pOZI-grip® Wedging Plug

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables.
- Supports a vertical length of cable per NEC Section 300.19(A).
- Provides an ample sealing compound chamber for use indoors or outdoors.
- Sealing Compound is not included and must be ordered separately.
- Supplied with a locknut and neoprene sealing ring for cabinets up to 1/4" thick.
- Lay-In-Lug™ Grounding Lug can be mounted on Compound Chamber.

Standard Materials

- 1" and 1-1/4" body - steel
- Larger bodies - malleable or ductile iron
- Locknut - steel or malleable iron

Standard Finishes

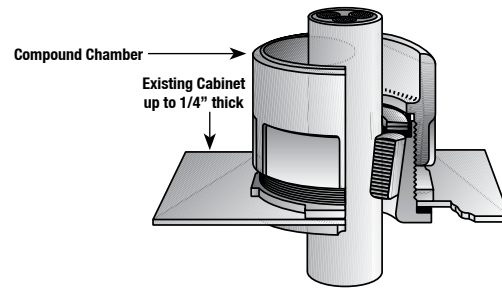
- 1" and 1-1/4" body - zinc electroplated
- Larger bodies - hot dip galvanized
- Locknut - zinc electroplated
- Wedging plug - canvas bakelite

Options

- Steel Bodies 1" and 1-1/4" are available with hot dip galvanized finish.
- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type HPE with Canvas Bakelite Wedging Plug

TO ORDER SPECIFY:

- Catalog Number
- Number of cables
- Diameter over insulation of each cable

Cable support plugs will not be supplied undrilled.

| Dimensions in Millimeters (Inches) | | | | | | |
|------------------------------------|---------------|---------------|-------------------|-------------------------------|----------------|--|
| Max. Cable Dia. (Inches) | Knockout Size | Max. Dia. | Height Inside Box | Approx. Compound Req'd. Pints | Catalog Number | |
| 17.27 (0.68) | 1" | 44.45 (1.75) | 54.1 (2.13) | 1/20 | HPE-100 | |
| 23.62 (0.93) | 1-1/4" | 60.45 (2.38) | 57.15 (2.25) | 1/20 | HPE-125 | |
| 30.48 (1.2) | 1-1/2" | 66.8 (2.63) | 57.15 (2.25) | 1/8 | HPE-150 | |
| 38.86 (1.53) | 2" | 79.5 (3.13) | 66.8 (2.63) | 1/6 | HPE-200 | |
| 46.48 (1.83) | 2-1/2" | 92.2 (3.63) | 79.5 (3.13) | 1/3 | HPE-250 | |
| 57.91 (2.28) | 3" | 111.25 (4.38) | 85.85 (3.38) | 1/2 | HPE-300 | |
| 67.31 (2.65) | 3-1/2" | 127 (5) | 85.85 (3.38) | 1/2 | HPE-350 | |
| 76.2 (3) | 4" | 139.7 (5.5) | 85.85 (3.38) | 2/3 | HPE-400 | |
| 95.25 (3.75) | 5" | 174.75 (6.88) | 101.6 (4) | 1 | HPE-500 | |

Sealing Bushings for Conduit

For Ends of Threaded Rigid Conduits

Applications

- Provides a seal at the top of a vertical conduit for one or more single or multiple conductor cables. Excludes water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables in rigid conduit.
- Lay-In-Lug™ Grounding Lug can be mounted on Locking Collar.
- Can be field-drilled.
- For applications involving IMC, EMT or PVC conduit, a short nipple of rigid conduit should be used entering the bottom threaded hub.

Standard Materials

- Locking collar - malleable or ductile iron
- Locknut - steel or malleable iron

Standard Finishes

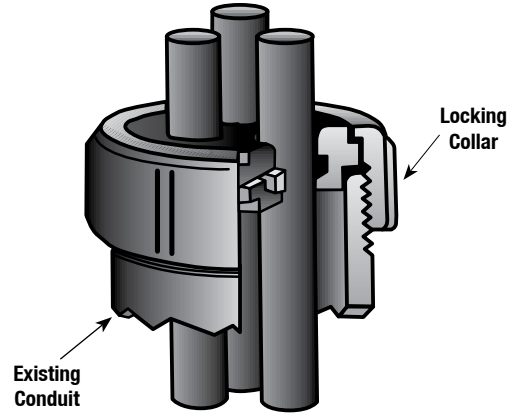
- Locking collar - hot dip galvanized
- Locknut - zinc electroplated
- Sealing discs - canvas bakelite

Options

- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type KR

TO ORDER SPECIFY:
 1. Catalog Number
 2. Number of cables
 3. Diameter over insulation of each cable

| Conduit Size | Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | |
|--------------|--|--------------|--------------|--------------|------------------------------------|----------------|----------------|
| | 1* Wire | 2 Wires | 3 Wires | 4 Wires | Max. Dia. | Overall Height | Catalog Number |
| 1" | 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 41.4 (1.63) | 25.4 (1) | KR-100 |
| 1-1/4" | 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 47.75 (1.88) | 28.7 (1.13) | KR-125 |
| 1-1/2" | 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 60.45 (2.38) | 28.7 (1.13) | KR-150 |
| 2" | 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 71.37 (2.81) | 28.7 (1.13) | KR-200 |
| 2-1/2" | 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 85.85 (3.38) | 35.05 (1.38) | KR-250 |
| 3" | 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 101.6 (4) | 38.1 (1.5) | KR-300 |
| 3-1/2" | 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 114.3 (4.5) | 38.1 (1.5) | KR-350 |
| 4" | 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 130.3 (5.13) | 41.4 (1.63) | KR-400 |
| 5" | 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 158.75 (6.25) | 44.45 (1.75) | KR-500 |
| 6" | 114.3 (4.5) | 60.71 (2.39) | 58.42 (2.3) | 48.77 (1.92) | 187.45 (7.38) | 44.45 (1.75) | KR-600 |

Cabinet Sealing Bushing

For Exposed Cables Entering Cabinets

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables.
- Supplied with a Zinc Electroplated Locknut and Neoprene Sealing Ring for cabinets up to 1/4" thick.
- Lay-In-Lug™ Grounding Lug can be mounted on Locking Collar.
- Can be field-drilled.

Standard Materials

- Locking collar and body - malleable or ductile iron

Standard Finishes

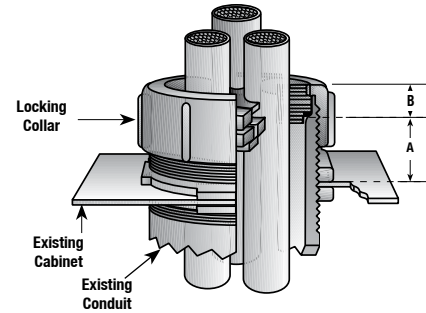
- Locking collar and body - hot dip galvanized
- Sealing discs - canvas bakelite

Options

- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584
- CSA Standard: C22.2 No. 18



Type GRK

TO ORDER SPECIFY:

- Catalog Number
- Number of conductors
- Diameter over insulation of each conductor

| Conduit Size | Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | | Catalog Number |
|--------------|--|--------------|--------------|--------------|------------------------------------|--------------|--------------|----------------|
| | 1* Wire | 2 Wires | 3 Wires | 4 Wires | Maximum Dia. | "A" | "B" | |
| 1" | 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 44.45 (1.75) | 25.4 (1) | 12.7 (0.5) | GRK-100 |
| 1-1/4" | 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 60.45 (2.38) | 25.4 (1) | 12.7 (0.5) | GRK-125 |
| 1-1/2" | 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 66.8 (2.63) | 25.4 (1) | 12.7 (0.5) | GRK-150 |
| 2" | 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 79.5 (3.13) | 28.7 (1.13) | 12.7 (0.5) | GRK-200 |
| 2-1/2" | 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 92.2 (3.63) | 35.05 (1.38) | 16 (0.63) | GRK-250 |
| 3" | 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 111.25 (4.38) | 35.05 (1.38) | 16 (0.63) | GRK-300 |
| 3-1/2" | 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 127 (5) | 38.1 (1.5) | 19.05 (0.75) | GRK-350 |
| 4" | 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 139.7 (5.5) | 38.1 (1.5) | 19.05 (0.75) | GRK-400 |
| 5" | 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 174.75 (6.88) | 41.4 (1.63) | 25.4 (1) | GRK-500 |
| 6" | 114.3 (4.5) | 60.71 (2.39) | 58.42 (2.3) | 48.77 (1.92) | 193.8 (7.63) | 44.45 (1.75) | 25.4 (1) | GRK-600 |

Cabinet Sealing Bushing

For Exposed Cables Entering Cabinets

Applications

- To effectively seal one or more single or multiple conductor cables against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features

- For rubber or plastic insulated cables.
- Supplied with a Zinc Electroplated Locknut and Neoprene Sealing Ring for cabinets up to 1/4" thick.
- Lay-In-Lug™ Grounding Lug can be mounted on Locking Collar.
- Can be field-drilled.

Standard Materials

- Locking collar and body - malleable or ductile iron

Standard Finishes

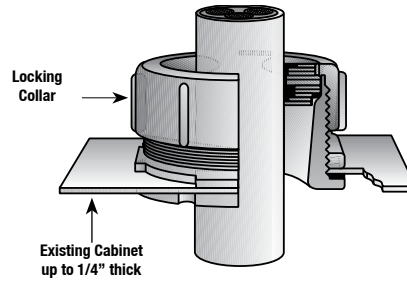
- Locking collar and body - hot dip galvanized
- Sealing discs - canvas bakelite

Options

- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584



Type GRE

TO ORDER SPECIFY:
 1. Catalog Number
 2. Number of conductors
 3. Diameter over insulation of each conductor

| Max. Diameter of Wire Permitted – Millimeters (Inches) | | | | Dimensions in Millimeters (Inches) | | | |
|--|--------------|--------------|--------------|------------------------------------|---------------|----------------|------------------|
| 1* Wire | 2 Wires | 3 Wires | 4 Wires | Knockout Size | Max. Dia. | Overall Height | Catalog Number |
| 19.81 (0.78) | 9.65 (0.38) | 8.64 (0.34) | 7.87 (0.31) | 1" | 44.45 (1.75) | 38.1 (1.5) | GRE-100 |
| 25.91 (1.02) | 13.97 (0.55) | 12.7 (0.5) | 11.18 (0.44) | 1-1/4" | 60.45 (2.38) | 41.4 (1.63) | GRE-125 |
| 30.48 (1.2) | 16 (0.63) | 14.99 (0.59) | 12.95 (0.51) | 1-1/2" | 66.8 (2.63) | 41.4 (1.63) | GRE-150 |
| 38.86 (1.53) | 20.57 (0.81) | 18.54 (0.73) | 16.51 (0.65) | 2" | 79.5 (3.13) | 41.4 (1.63) | GRE-200 |
| 46.48 (1.83) | 24.64 (0.97) | 23.62 (0.93) | 19.81 (0.78) | 2-1/2" | 92.2 (3.63) | 50.8 (2) | GRE-250 |
| 57.91 (2.28) | 30.73 (1.21) | 29.46 (1.16) | 24.64 (0.97) | 3" | 111.25 (4.38) | 54.1 (2.13) | GRE-300 |
| 67.31 (2.65) | 35.56 (1.4) | 34.04 (1.34) | 28.45 (1.12) | 3-1/2" | 127 (5) | 57.15 (2.25) | GRE-350 |
| 76.2 (3) | 40.13 (1.58) | 38.61 (1.52) | 32.26 (1.27) | 4" | 139.7 (5.5) | 60.45 (2.38) | GRE-400 |
| 95.25 (3.75) | 50.55 (1.99) | 48.51 (1.91) | 40.64 (1.6) | 5" | 174.75 (6.88) | 66.8 (2.63) | GRE-500 |
| 114.3 (4.5) | 60.71 (2.39) | 58.42 (2.3) | 48.77 (1.92) | 6" | 193.8 (7.63) | 76.2 (3) | GRE-600 ① |

① Not CSA Supported.

Cabinet Compound Bushings

For Exposed Cables Entering Cabinets - with pOZI-grip® Wedging Plug

Applications

- Provides cable support for one or more single or multiple conductor cables entering a cabinet or enclosure.

Features

- For rubber or plastic insulated cables.
- Supports a vertical length of cable per NEC Section 300.19(A).
- Supplied with a locknut and neoprene sealing ring for cabinets up to 1/4" thick.
- Lay-In-Lug™ Grounding Lug can be mounted on Locking Collar.
- Cable Support Plugs cannot be field-drilled.

Standard Materials

- Locking collar and body - malleable or ductile iron

Standard Finishes

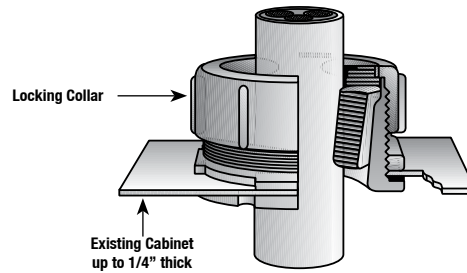
- Locking collar and body - hot dip galvanized
- Pressure disc and wedging plug - canvas bakelite

Options

- Fittings can be furnished for more than four wires or wires of varying sizes.
- Due to the possibility of Magnetic Induction Heating, a single alternating current conductor should not be used in iron fittings.
- Contact your local representative for price and availability on above options.

Certifications and Compliances

- CSA Certified: 11584
- CSA Standard: C22.2 No. 18



Type GPE with Canvas Bakelite Wedging Plug

TO ORDER SPECIFY:
 1. Catalog Number
 2. Number of conductors
 3. Diameter over insulation of each conductor

Cable support plugs will not be supplied undrilled.

| Dimensions in Inches | | | | |
|--------------------------|---------------|---------------|-------------------|----------------|
| Max. Cable Dia. (Inches) | Knockout Size | Max. Dia. | Height Inside Box | Catalog Number |
| 17.27 (0.68) | 1" | 44.45 (1.75) | 38.1 (1.5) | GPE-100 |
| 23.62 (0.93) | 1-1/4" | 60.45 (2.38) | 41.4 (1.63) | GPE-125 |
| 30.48 (1.2) | 1-1/2" | 66.8 (2.63) | 41.4 (1.63) | GPE-150 |
| 38.86 (1.53) | 2" | 79.5 (3.13) | 41.4 (1.63) | GPE-200 |
| 46.48 (1.83) | 2-1/2" | 92.2 (3.63) | 50.8 (2) | GPE-250 |
| 57.91 (2.28) | 3" | 111.25 (4.38) | 54.1 (2.13) | GPE-300 |
| 67.31 (2.65) | 3-1/2" | 127 (5) | 57.15 (2.25) | GPE-350 |
| 76.2 (3) | 4" | 139.7 (5.5) | 60.45 (2.38) | GPE-400 |
| 95.25 (3.75) | 5" | 174.75 (6.88) | 66.8 (2.63) | GPE-500 |
| 114.3 (4.5) | 6"- | 193.8 (7.63) | 76.2 (3) | GPE-600 ① |

① Not CSA Supported.

DOZSeal Sealing Insulating Compound

For Use in Terminators, Compound Bushings and Compound Type Cable Supports

dOZseal 220 is a universal medium-soft asphaltic base compound having a low softening point and low pouring temperature. The compound remains plastic at low temperatures and remains viscose at the highest cable operating temperature.

Used In:

- Gasketed or Threaded Splice Fittings and Gasketed Terminators.

Use in Non-Hazardous Location With:

- Any cable having solid type insulation, such as Paper, Varnished Cambric, Rubber, Butyl, Cross-Linked Polyethylene, or High Molecular weight Polyethylene rated 34.5KV and below.

dOZseal 225 is a high ambient medium-hard asphaltic base compound having a medium-low softening point and a low pouring temperature. The compound remains plastic at medium-low temperatures and remains more viscose at the highest cable operating temperature.

Used In:

- Gasketed or Threaded Splice Fittings and Gasketed Terminators, when they are installed in hot climates or in hot exposures.

Use in Non-Hazardous Location With:

- Cables having solid type insulation, such as Paper, Varnished Cambric, Rubber, and Butyl rated 34.5KV and below.

dOZseal 230 is a hard asphaltic base compound having a high softening point and high pouring temperature. The compound remains plastic at the highest cable operating temperature.

Used In:

- Non-Gasketed Terminators or Cable Supports.

Use in Non-Hazardous Location With:

- Any cable having solid type insulation.

For shipping purposes, the approximate gross weight of the above compounds is 10 lbs. per gallon.

NOTE: When ordering Compound specify by number of units only, not quarts or gallons.

Example: To order 50 gallons of dOZseal 220 specify ten (10) DOZ-220G5 units.

FOR USE IN TERMINATORS, COMPOUND BUSHINGS, COMPOUND TYPE CABLE SUPPORTS

| Compound Number | Type | One Qt. Can | Catalog Number | |
|-----------------|----------------------------|-------------|-----------------|------------------|
| | | | One Gal. Bucket | Five Gal. Bucket |
| dOZseal 220 | Medium-soft asphaltic base | DOZ-220Q | DOZ-220G | DOZ-220G5 |
| dOZseal 225 | Medium-hard asphaltic base | DOZ-225Q | DOZ-225G | DOZ-225G5 |
| dOZseal 230 | Hard asphaltic base | DOZ-230Q | DOZ-230G | DOZ-230G5 |

CHARACTERISTICS

| Characteristics | Unit | DOZSEAL Filling Compounds | | |
|---------------------|------|---------------------------|-------------|-------------|
| | | DOZSEAL 220 | DOZSEAL 225 | DOZSEAL 230 |
| Softening Point | °F | 115-125 | 165-170 | 230-240 |
| Pouring Temperature | °F | 325-375 | 325-375 | 375-400 |
| Flash Point | °F | 475 | 475 | 475 |
| Dielectric Strength | KV | 50 | 50 | 55 |

Conduit Sealing Bushings

Details of Construction:

Pressure Discs:

- Thick metal discs with custom drilled holes to accommodate cables. Steel discs are slotted at cable holes to eliminate induction heating effect of single conductor alternating current.
- Steel discs are PVC coated for corrosion protection, to insulate cable holes and to prevent plates from bridging to other ferrous parts. Uncoated aluminum plates are available.
- Copper alloy, stainless steel or phenolic discs are available at price addition.

Screws and Washers:

- Corrosion-proof stainless steel socket head screws are used to compress the two discs against the sealing ring.
- Hex head stainless steel machine screws are available.
- PVC coated discs have stainless steel washers to prevent screws from damaging coating. (Suffix - P type only.)

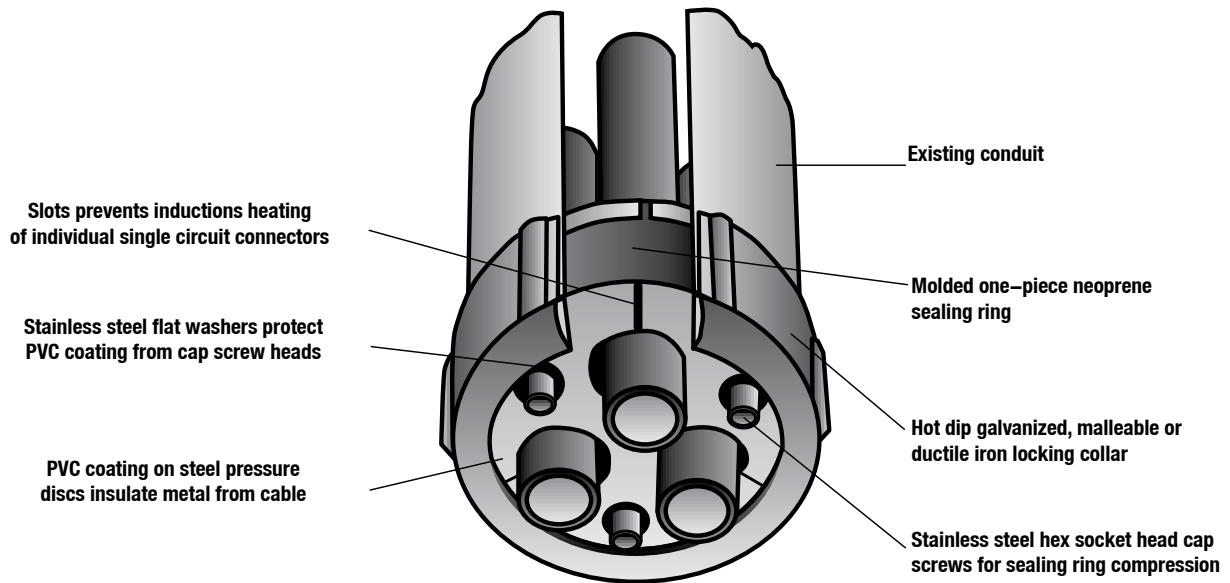
Locking Collar:

- Malleable iron hot dip galvanized; suffix "A" for aluminum.
- Gaskets are provided to prevent locking collar and end of conduit from damaging PVC coated disc. (Suffix - P type only.)

Sealing Ring:

- Thick one-piece neoprene ring custom drilled. Neoprene is specifically compounded for the following operating characteristics:
 1. Low compression modulus (the ability of the neoprene sealing ring to seal with low-tightening force).
 2. Very low compression set (maintain seal over extended period without having to retighten).
 3. Anti-oxidant (resistance to ozone attack).
 4. Anti-oxidant (resistance to weathering).
 5. Low crystallization (suitable for use at low temperatures).
 6. Fire retardant (will not support combustion).

For modifications or special requirements, contact your local representative for price and availability.



Type CSB
For use with Cab

Conduit Sealing Bushings

For Use with Insulated Wire, Cable and Rigid Metal Conduit

Type CSBE:

Seals against internal or external fluids or gases and to provide some support for the cables when fitting is used in vertical position as shown in illustration.

Type CSBI:

Seals against internal or external fluids or gases and prevents them from entering an enclosure.

Type CSBG:

Provides all the features of Types CSBE and CSBI and in addition prevents the sealing bushing from moving out of the end of the conduit should the internal pressure be high or if the fitting is used on conduit in an inverted position. The Type CSBG fittings are capable of sealing against gas or fluid pressure of 100 psig, (non-segmented) Type CSBI and CSBE – 50 psig (non-segmented.) Segmenting reduces above pressure in half. Can also be supplied with Lay-In-Lug grounding wire connector.

Applications

- These Conduit Sealing Bushings are used for sealing the ends of conduit in applications involving higher static gas or fluid pressures than can be handled by standard sealing bushings.
- For use with IMC or EMT, a short nipple of Rigid Metal Conduit should be used to accommodate the Conduit Sealing Bushing. For Schedule 40 PVC Conduit, contact your local representative.

Features

- The complete assembly is provided with 1 or multiple holes to accommodate the size and number of cables which emerge from the conduit. When the fitting is in place and the screws are tightened, the neoprene sealing ring is compressed between the metal plates and is forced against the inside wall of the conduit and also against the cable insulation to effect a complete seal at the conduit end.
- Blank fittings are available. These are intended as abandonment devices only.

Do not field drill.

- Consult your local representative for all other applications.
- These fittings are simple to install. They eliminate the special preparation of the end of the conduit or the compounding of the conduit thread which is required on other types of sealing fittings used to seal against high pressures.

Standard Materials

- Slotted PVC coated steel discs, neoprene sealing ring and stainless steel socket head cap screws and washers.

Standard Finishes

- Locking collars on type CSBG - hot dipped galvanized, malleable or ductile iron.

Options

- Also available with aluminum or brass/bronze pressure discs (Metal Plates) on Type CSBI and CSBE bushings. To specify, substitute suffix "A" or "B" for "P" in catalog number. (Example: CSBI-200A-1) Locking Collar and Pressure Discs are also available in Aluminum or Bronze on Type CSBG Bushings. Example (CSBG-200A-1)

Consult your local representative for price and availability.

Alternate Construction: (Catalog # SEG)

Segmented Design – Segmental pressure discs and slit-neoprene sealing ring produce a come-apart design which allows the sealing bushing to be installed without having to thread it along the cable or allows installation around cables already pulled/terminated.

Also available with slit neoprene sealing ring and one piece pressure discs.

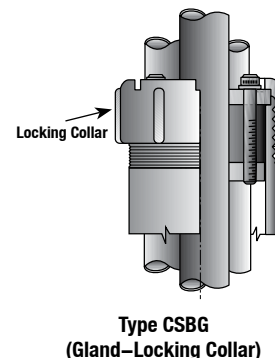
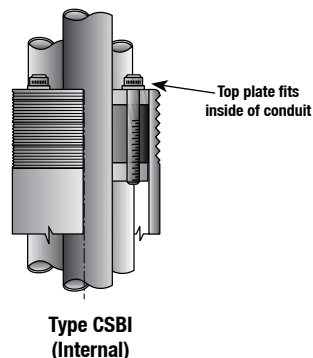
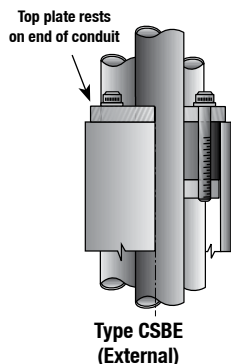
Two neoprene sealings rings provide cable support meeting NEC 300.19. (suffix G2)

Certifications and Compliances

- UL Listed: E-11857
- Type CSBG with aluminum pressure disks is Listed by Underwriters Laboratories, Inc. as an outlet bushing, service entrance seal or service head.

TO ORDER SPECIFY:

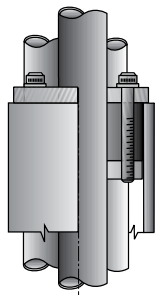
1. Catalog Number
2. Conduit Size
3. Number of Cables
4. Outside Diameters of Cables Over Insulation
5. Segmented, if Required
6. Two Neoprene Sealing Rings, if required (prices on application). Suffix G2.



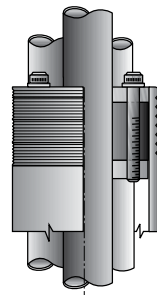
Conduit Sealing Bushings

For Use with Insulated Wire, Cable and Rigid Metal Conduit

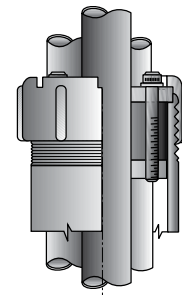
| Conduit Size | Max. Diameter of Wire ① | | | | Type CSBE | | Type CSBI | | Type CSBG | |
|--------------|-------------------------|-----------------|-----------------|-----------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|
| | Permitted – Inches | | | | Catalog Number | | Catalog Number | | Catalog Number | |
| | 1 Wire | 2 Wires | 3 Wires | 4 Wires | Blank ② | One or More Wires | Blank ② | One or More Wires | Blank ② | One or More Wires |
| 1-1/2" | 19.81 (0.78) | 14.99 (0.59) | 13.72 (0.54) | 11.18 (0.44) | CSBE-150P-0 | CSBE-150P-1 | CSBI-150P-0 | CSBI-150P-1 | CSBG-150P-0 | CSBG-150P-1 |
| 2" | 26.67 (1.050) | 19.56 (0.77) | 18.03 (0.71) | 15.49 (0.61) | CSBE-200P-0 | CSBE-200P-1 | CSBI-200P-0 | CSBI-200P-1 | CSBG-200P-0 | CSBG-200P-1 |
| 2-1/2" | 33.53 (1.32) | 24.38 (0.96) | 22.61 (0.89) | 19.81 (0.78) | CSBE-250P-0 | CSBE-250P-1 | CSBI-250P-0 | CSBI-250P-1 | CSBG-250P-0 | CSBG-250P-1 |
| 3" | 48.26 (1.90) | 32 (1.26) | 28.7 (1.13) | 24.38 (0.96) | CSBE-300P-0 | CSBE-300P-1 | CSBI-300P-0 | CSBI-300P-1 | CSBG-300P-0 | CSBG-300P-1 |
| 3-1/2" | 54.1 (2.13) | 35.05 (1.38) | 35.05 (1.38) | 28.7 (1.13) | CSBE-350P-0 | CSBE-350P-1 | CSBI-350P-0 | CSBI-350P-1 | CSBG-350P-0 | CSBG-350P-1 |
| 4" | 66.8 (2.63) | 41.4 (1.63) | 38.35 (1.51) | 32 (1.26) | CSBE-400P-0 | CSBE-400P-1 | CSBI-400P-0 | CSBI-400P-1 | CSBG-400P-0 | CSBG-400P-1 |
| 5" | 88.9 (3.50) | 50.8 (2) | 47.75 (1.88) | 41.4 (1.63) | CSBE-500P-0 | CSBE-500P-1 | CSBI-500P-0 | CSBI-500P-1 | CSBG-500P-0 | CSBG-500P-1 |
| 6" | 114.3 (4.50) | 61.98 (2.44) | 56.13 (2.21) | 52.58 (2.07) | CSBE-600P-0 | CSBE-600P-1 | CSBI-600P-0 | CSBI-600P-1 | CSBG-600P-0 | CSBG-600P-1 |



Type CSBE



Type CSBI



Type CSBG

TO ORDER SPECIFY:

1. Catalog Number
2. Conduit Size
3. Number of Cables
4. Outside Diameters of Cables Over Insulation
5. Segmented, if Required
6. Two Neoprene Sealing Rings, if required (prices on application). Suffix G2.

① Minimum diameter is 0.140" OD. Five or more wires can be accommodated; contact your local representative for sizing.

② Blank fittings are intended as abandonment and future use devices only. Blank fittings cannot be field drilled.

Conduit Sealing Bushings

1. Segmental Design (Figure 1):

- Segmental pressure discs and slit neoprene sealing ring produce a come-apart design which allows the sealing bushing to be installed without having to thread it along the cable or allows installation around cables already terminated. Maximum diameter of wire or cable may need to be reduced. (Include Catalog Number "SEG"). Also available with slit neoprene sealing ring and one piece

2. Double Sealing Ring:

- A second neoprene sealing ring may be added for cable support applications. Add suffix "G2" to catalog number. Contact your local representative for price and availability.

3. Close/Short Nipples:

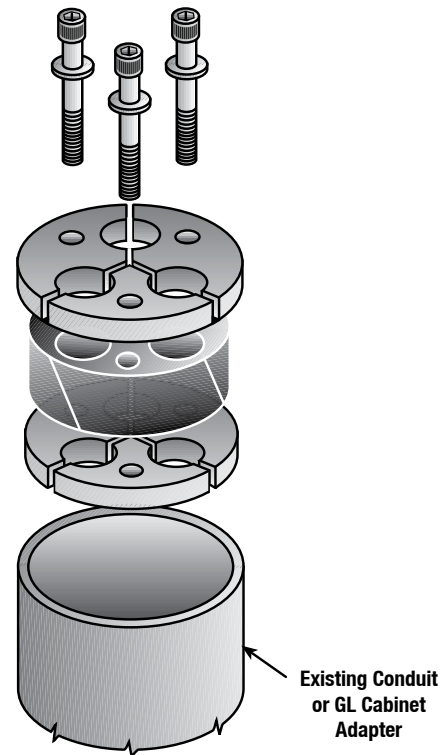
- Short nipples which can be screwed into conduit hubs or couplings. Seal Fittings are then installed in the open ends of these nipples. To specify a fitting complete with nipple add "N" after Catalog Number. (Example: CSBG 200P-N).

4. Type GL Cabinet Adapter (Figure 2):

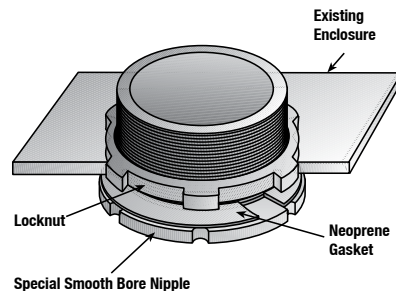
- For use with sealing bushings when exposed wires enter cabinets. Hot dip galvanized malleable or ductile iron is standard; aluminum if specified. Adapter assembly includes special smooth bore nipple, gasket and locknut. Type GL Cabinet Adapters must be ordered separately. See table for catalog numbers.
- Temperature Ratings:
Intermittent -60F - 225F (-51C - 107C)
Continuous -40F - 200F (-40C - 93C)
- Thread length on special smooth bore nipples will accommodate 1/8" thick cabinet or structure on Type CSBG (specify if thicker than 1/8"), and up to 3/4" thickness on Types CSBE and CSBI.
- These fittings are designed for use in schedule 40 Rigid Metal Conduit. For use with IMC or EMT, a short nipple of Rigid Metal Conduit should be used to accommodate the Conduit Sealing Bushing. Contact your local representative for application involving Schedule 40 or Schedule 80 PVC Conduit.
- Blank fittings are intended as abandonment and future use devices only.

Do not field drill.

| Conduit Size | Catalog Number |
|--------------|----------------|
| 1-1/2 | GL150 |
| 2 | GL200 |
| 2-1/2 | GL250 |
| 3 | GL300 |
| 3-1/2 | GL350 |
| 4 | GL400 |
| 5 | GL500 |
| 6 | GL600 |



Type CSBE
Segmental Design
Figure 1



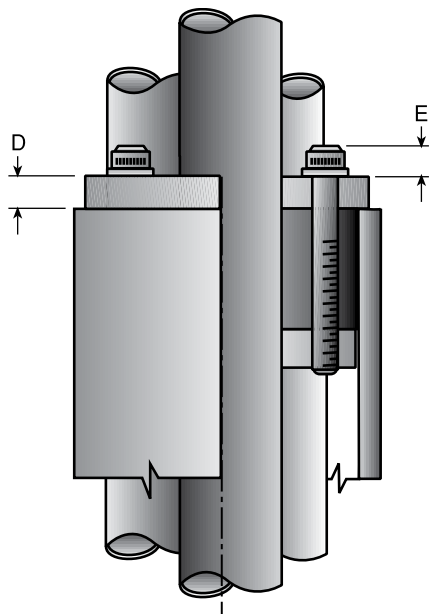
Type GL
Cabinet Adapter
Figure 2

Conduit Sealing Bushings

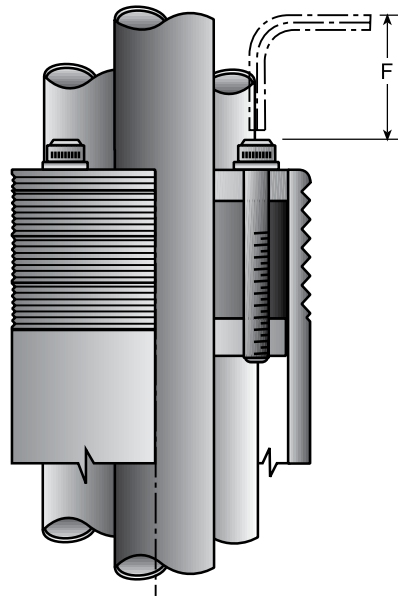
For Use with Cable in Rigid Conduit ①

Type CSB Series Dimensional Data:

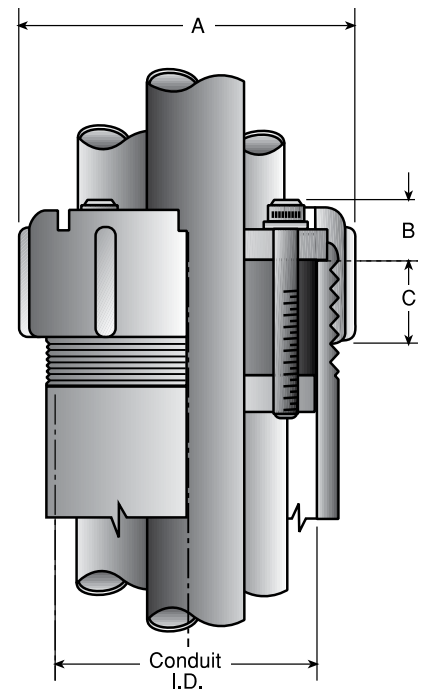
| Conduit* Size | Max. Diameter of Wire Permitted ② Millimeters (Inches) | | | | Conduit ID | Dimensions in Millimeters (Inches) | | | | | |
|------------------|---|-----------------|-----------------|-----------------|------------|------------------------------------|-----------------|-----------------|-----------------|----------------|-----------------|
| | 1 Hole | 2 Holes | 3 Holes | 4 Holes | | A Dia. | B | C | D | E | F Min |
| 1-1/2" | 19.81 (0.78) | 14.99 (0.59) | 13.72 (0.54) | 11.18 (0.44) | 1.610 | 60.45 (2.38) | 16 (0.63) | 22.35 (0.88) | 7.87 (0.31) | 7.87 (0.31) | 31.75 (1.25) |
| 2" | 26.67 (1.05) | 19.56 (0.77) | 18.03 (0.71) | 15.49 (0.61) | 2.067 | 74.42 (2.93) | 16 (0.63) | 22.35 (0.88) | 7.87 (0.31) | 7.87 (0.31) | 31.75 (1.25) |
| 2-1/2" | 33.53 (1.32) | 24.38 (0.96) | 22.61 (0.89) | 19.81 (0.78) | 2.469 | 85.85 (3.38) | 19.05 (0.75) | 22.35 (0.88) | 7.87 (0.31) | 7.87 (0.31) | 31.75 (1.25) |
| 3" | 48.26 (1.90) | 32.0 (1.26) | 28.7 (1.13) | 24.38 (0.96) | 3.068 | 104.9 (4.13) | 19.05 (0.75) | 22.35 (0.88) | 7.87 (0.31) | 7.87 (0.31) | 31.75 (1.25) |
| 3-1/2" | 54.1 (2.13) | 35.05 (1.38) | 35.05 (1.38) | 28.7 (1.13) | 3.548 | 115.82 (4.56) | 22.35 (0.88) | 22.35 (0.88) | 11.18 (0.44) | 9.65 (0.38) | 38.1 (1.5) |
| 4" | 66.80 (2.63) | 41.4 (1.63) | 38.35 (1.51) | 32 (1.26) | 4.026 | 130.3 (5.13) | 7.87 (0.31) | 25.4 (1) | 11.18 (0.44) | 9.65 (0.38) | 38.1 (1.5) |
| 5" | 88.9 (3.50) | 50.8 (2) | 47.75 (1.88) | 41.4 (1.63) | 5.047 | 158.75 (6.25) | 7.87 (0.31) | 25.4 (1) | 11.18 (0.44) | 9.65 (0.38) | 38.1 (1.5) |
| 6" | 114.3 (4.50) | 62.0 (2.44) | 56.13 (2.21) | 52.58 (2.07) | 6.065 | 187.45 (7.38) | 7.87 (0.31) | 25.4 (1) | 11.18 (0.44) | 9.65 (0.38) | 38.1 (1.5) |



Type CSBE



Type CSBI



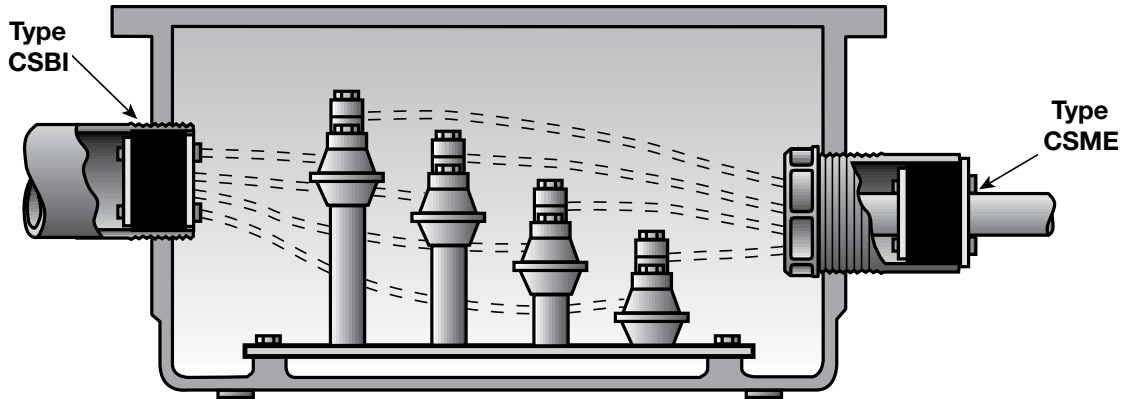
Type CSBG

① Standard fittings may be used with corresponding sizes of schedule 40 pipe or tubes and cored holes which have the same internal diameter as conduit I.D. shown above.

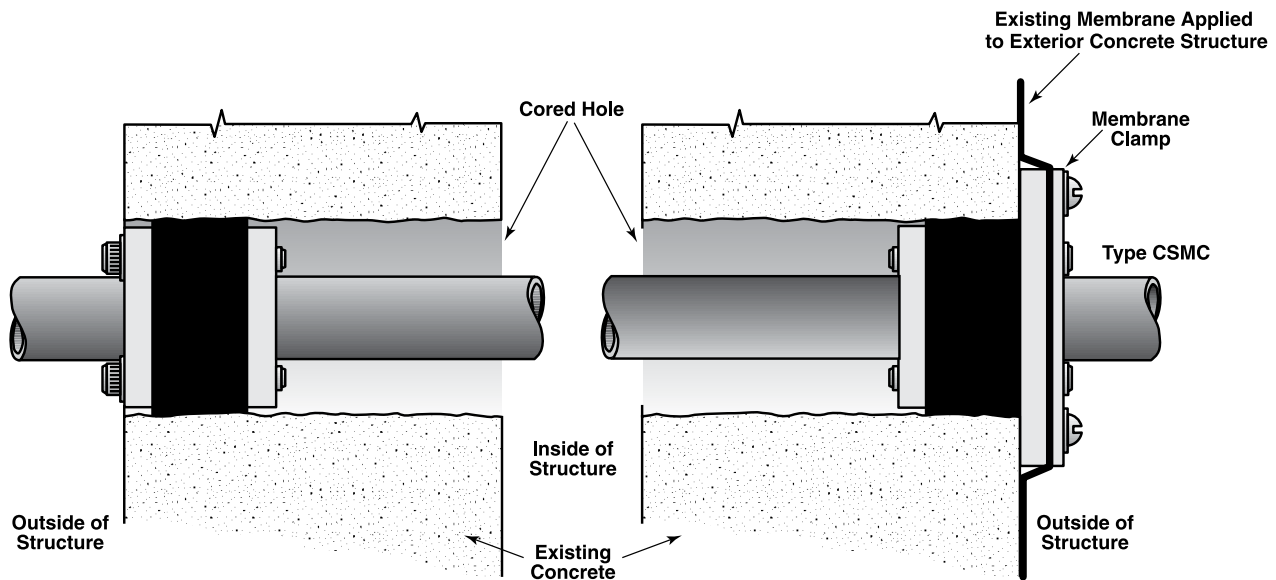
② Minimum diameter is 0.140" OD. Five or more wires can be accommodated; contact your local representative for sizing.

Conduit Sealing Bushings

Typical Applications



Type CSBI and Type CSME
Used to seal conduits entering an enclosure to prevent condensation and water from entering.



Type CSMI and Type CSMC
Core Drilled Hole Application

Conduit Sealing Bushings

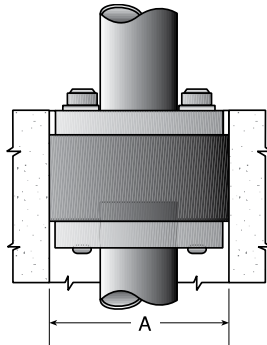
For Use with Pipe, Conduit or Tubing

Applications

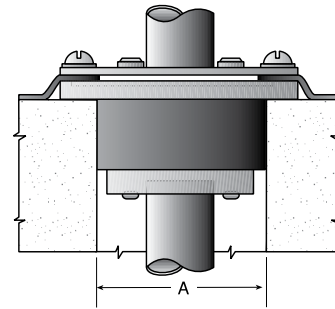
- These Sealing Bushings are used to seal against fluid and gas pressure around mechanical pipes, casing, conduits or tubes
- They have the same details of construction and are used for the same applications as the Type CSB Series.
- In addition to sealing a pipe within a pipe, some types are specifically designed for use in core bit drilled holes or precast holes in concrete.
- Most of the options for the Type CSB are available in the Type CSM Series.

TO ORDER SPECIFY:

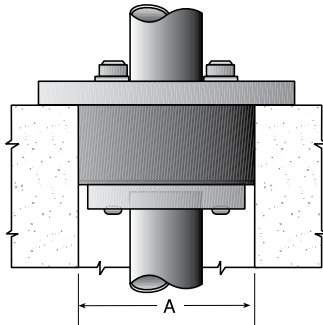
1. Catalog Number
2. Diameter of core bit drilled hole, precast hole or I.D. of pipe.
3. Number and O.D. of penetrating pipe, conduit or tube
4. Disc material finish: PVC Coated Steel Discs (standard); Uncoated Aluminum Discs.
5. Segmental design, if required (prices on application)
6. Two Neoprene Sealing Rings (if required) Prices on Applications. Suffix G2.



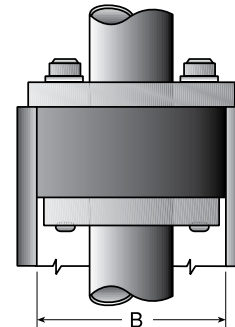
Type CSMI Internal



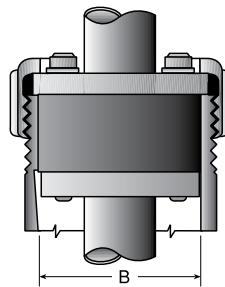
Type CSMC
with steel membrane clamp
for holding existing moisture membrane



Type CSML Large Top Plate



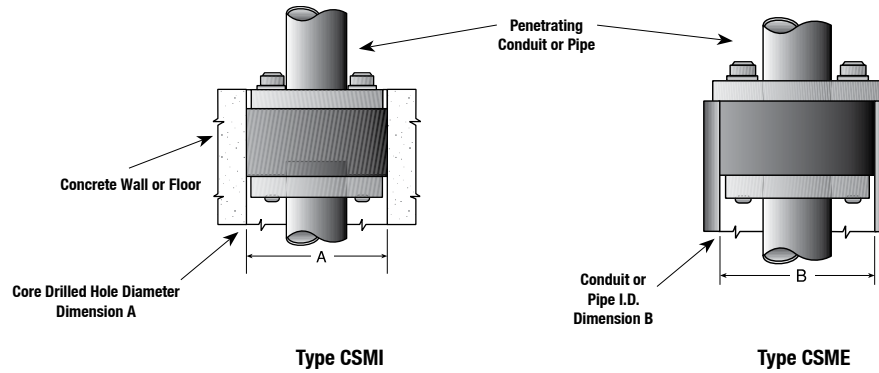
Type CSME External



Type CSMG Gland-Locking Collar

Conduit Sealing Bushings

For Use with Pipe, Conduit or Tubing



① Type CSMG and CSMC are not available in these sizes.

The suffix *P* in the Catalog Number indicates PVC Coated Steel Pressure Discs. For Aluminum Pressure Discs, change *P* to *A*. Blank fittings are intended as abandonment and future use devices only. Do not field drill.

Conduit Sealing Bushings

For Use with Pipe, Conduit or Tubing

Type CSM Series Dimensional Data:

| Use With Core Drilled Hole Dia. "A" | Conduit or Pipe I.D. "B" | Single Penetration Applications Dimensions in Millimeters (Inches) | | | | | | Multiple Penetration Max. O.D. for More Than One Pipe | | | Catalog Numbers | | | | |
|---|-----------------------------------|---|---------|----------------|--------|---------------|--------|---|-----------------|-----------------|-----------------|--------------|--------------|--------------|--------------|
| | | Steel Pipe or Conduit | | Cast Iron Pipe | | Copper Tubing | | 2 Holes | 3 Holes | 4 Holes | Type CSMI | Type CSML | Type CSMC | Type CSME | Type CSMG |
| | | Nom I.D. | O.D. | Nom I.D. | O.D. | Nom I.D. | O.D. | | | | | | | | |
| 2 | 52.58 (2.07) | 9.65 | 17.27 | | | 9.65 | 12.7 | 20.07 (0.79) | 18.03 (0.71) | 15.24 (0.6) | CSMI-200P | CSML-200P | CSMC-200P | CSME-200P | CSMG-200P |
| | | (0.38) | (0.68) | (0.38) | (0.5) | 12.7 | 16 | | | | | | | | |
| 2-1/2 | 62.74 (2.47) | 25.4 | 33.53 | | | 25.4 | 28.7 | 24.64 (0.97) | 23.62 (0.93) | 18.54 (0.73) | CSMI-250P | CSML-250P | CSMC-250P | CSME-250P | CSMG-250P |
| | | (1) | (1.32) | (1) | (1.13) | 24 | 27.1 | | | | | | | | |
| 3 | 77.98 (3.07) | 31.75 | 42.16 | | | 31.75 | 35.05 | 30.73 (1.21) | 28.19 (1.11) | 23.62 (0.93) | CSMI-300P | CSML-300P | CSMC-300P | CSME-300P | CSMG-300P |
| | | (1.25) | (1.66) | (1.25) | (1.38) | 38.1 | 41.4 | | | | | | | | |
| 3-1/2 | 90.17 (3.55) | 50.8 | | | | 50.8 | 54.1 | 35.05 (1.38) | 33.53 (1.32) | 28.7 (1.13) | CSMI-350P | CSML-350P | CSMC-350P | CSME-350P | CSMG-350P |
| | | (2) | | (2) | (2.13) | 57.15 | 60.45 | | | | | | | | |
| 4 | 102.36 (4.03) | 50.8 | 60.45 | 50.8 | 63.5 | 57.15 | 60.45 | 41.4 (1.63) | 37.08 (1.46) | 33.53 (1.32) | CSMI-400P | CSML-400P | CSMC-400P | CSME-400P | CSMG-400P |
| | | (2) | (2.38) | (2) | (2.5) | (2.25) | (2.38) | | | | | | | | |
| 5 | 128.27 (5.05) | 63.5 | 73.15 | 50.8 | 69.85 | | | 50.8 (2) | 47.75 (1.88) | 41.4 (1.63) | CSMI-500P | CSML-500P | CSMC-500P | CSME-500P | CSMG-500P |
| | | (2.5) | (2.88) | (2) | (2.75) | 76.2 | 88.9 | | | | | | | | |
| 6 | 154.18 (6.07) | 88.9 | 101.6 | 76.2 | 92.96 | | | 63.5 (2.5) | 54.1 (2.13) | 50.8 (2) | CSMI-600P | CSML-600P | CSMC-600P | CSME-600P | CSMG-600P |
| | | (3.5) | (4) | (3) | (3.66) | 76.2 | 96.52 | | | | | | | | |
| 8 | 202.69 (7.98) | 127 | 141.22 | | | | | 76.2 (3) | 76.2 (3) | 73.15 (2.88) | CSMI-800P | CSML-800P | CSMC-800P | CSME-800P | CSMG-800P |
| | | (5) | (5.56) | (5) | | 101.6 | 127 | | | | | | | | |
| 10 | 254.51 (10.02) | 177.8 | 152.4 | 175.26 | | | | Single Penetration Only | | | CSMI-1000P | CSML-1000P | CSME-1000P | CSMG-1000P | |
| | | (7) | (6) | (6.9) | | 152.4 | 180.34 | | | | | | | | |
| 12 | 303.28 (11.94) | 203.2 | 219.2 | 203.2 | 229.87 | | | Single Penetration Only | | | CSMI-1200P | CSML-1200P | CSME-1200P | CSMG-1200P | |
| | | (8) | (8.63) | (8) | (9.05) | 203.2 | 236.22 | | | | | | | | |
| 14 | 333.5 (13.13) | 254 | 273.05 | 254 | 281.94 | | | Single Penetration Only | | | CSMI-1400P | CSML-1400P | CSME-1400P | CSMG-1400P | |
| | | (10) | (10.75) | (10) | (11.4) | 304.8 | 304.8 | | | | | | | | |
| 16 | 381 (15) | 304.8 | 323.85 | 304.8 | 335.28 | | | Single Penetration Only | | | CSMI-1600P | CSML-1600P | CSME-1600P | CSMG-1600P | |
| | | (12) | (12.75) | (12) | (13.2) | 342.9 | 342.9 | | | | | | | | |
| | | | | | | | | | | | | | | | (13.5) |

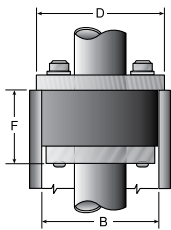
Conduit Sealing Bushings

For Use with Pipe, Conduit or Tubing

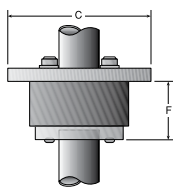
Conduit Sealing Bushings

For Use with Pipe, Conduit or Tubing

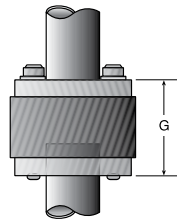
| Use with Core Drilled Hole Dia. Conduit or Pipe I.D. | | Single Penetration Applications Dimensions in Millimeters (Inches) | | | | | | Multiple Penetration Max. O.D. for More Than One Pipe | | | | | | | | | Catalog No. CSMI-CSML-CSMC-CSMG- |
|--|-------------------|--|-------------------|----------------|------------------|-----------------|------------------|---|-----------------|-----------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|----------------------------------|
| | | Steel Pipe or Conduit | | Cast Iron Pipe | | Copper Tubing | | 2 Holes | 3 Holes | 4 Holes | | | | | | | |
| | | Nom I.D. | O.D. | Nom I.D. | O.D. | Nom I.D. | O.D. | | | | C Dia. | D Dia. | E | F | G | H | |
| "A" | "B" | | | | | | | | | | | | | | | | |
| 50.8 (2) | 52.58 (2.07) | 9.65 (0.38) | 17.27 (0.68) | | | 9.65 (0.38) | 12.7 (0.5) | 20.07 (0.79) | 18.03 (0.71) | 15.24 (0.6) | 76.2 (3) | 54.1 (2.13) | 71.37 (2.81) | 33.27 (1.31) | 41.4 (1.63) | 16 (0.63) | 200P |
| 63.5 (2.5) | 62.74 (2.47) | 25.4 (1) | 33.53 (1.32) | | | 25.4 (1) | 28.7 (1.13) | 24.64 (0.97) | 23.62 (0.93) | 18.54 (0.73) | 88.9 (3.5) | 65.02 (2.56) | 85.85 (3.38) | 33.27 (1.31) | 41.4 (1.63) | 22.35 (0.88) | 250P |
| 76.2 (3) | 77.98 (3.07) | 31.75 (1.25) | 42.16 (1.66) | | | 31.75 (1.25) | 35.05 (1.38) | 30.73 (1.21) | 28.19 (1.11) | 23.62 (0.93) | 101.6 (4) | 81.03 (3.19) | 104.9 (4.13) | 33.27 (1.31) | 41.4 (1.63) | 22.35 (0.88) | 300P |
| 3-1/2 | 90.17 (3.55) | | 50.8 (2) | | | 50.8 (2) | 54.1 (2.13) | 35.05 (1.38) | 33.53 (1.32) | 28.7 (1.13) | 112.78 (4.44) | 93.73 (3.69) | 115.82 (4.56) | 36.58 (1.44) | 47.75 (1.88) | 22.35 (0.88) | 350P |
| 101.6 (4) | 102.36 (4.03) | 50.8 (2) | 60.45 (2.38) | 50.8 (2) | 63.5 (2.5) | 57.15 (2.25) | 60.45 (2.38) | 41.4 (1.63) | 37.08 (1.46) | 33.53 (1.32) | 127 (5) | 106.43 (4.19) | 130.3 (5.13) | 36.58 (1.44) | 47.75 (1.88) | 25.4 (1) | 400P |
| 127 (5) | 128.27 (5.05) | 63.5 (2.5) | 73.15 (2.88) | 50.8 (2) | 69.85 (2.75) | 63.5 (2.5) | 66.8 (2.63) | 50.8 (2) | 47.75 (1.88) | 41.4 (1.63) | 152.4 (6) | 133.35 (5.25) | 158.75 (6.25) | 36.58 (1.44) | 47.75 (1.88) | 25.4 (1) | 500P |
| 152.4 (6) | 154.18 (6.07) | 88.9 (3.5) | 101.6 (4) | 76.2 (3) | 92.96 (3.66) | 76.2 (3) | 96.52 (3.8) | 63.5 (2.5) | 54.1 (2.13) | 50.8 (2) | 179.32 (7.06) | 158.75 (6.25) | 187.45 (7.38) | 36.58 (1.44) | 47.75 (1.88) | 25.4 (1) | 600P |
| 203.2 (8) | 202.69 (7.98) | 114.3 (4.5) | 127 (5) | 101.6 (4) | 121.92 (4.8) | 101.6 (4) | 127 (5) | -- | -- | -- | 233.43 (9.19) | -- | -- | 36.58 (1.44) | 47.75 (1.88) | -- | 800P ① |
| 254 (10) | 254.51 (10.02) | 177.8 (7) | 152.4 (6) | 152.4 (6) | 175.26 (6.9) | 152.4 (6) | 180.34 (7.1) | -- | -- | -- | 293.62 (11.56) | -- | -- | 36.58 (1.44) | 47.75 (1.88) | -- | 1000P ① |
| 304.8 (12) | 303.28 (11.94) | 203.2 (8) | 219.2 (8.63) | 203.2 (8) | 229.87 (9.05) | 203.2 (8) | 236.22 (9.3) | -- | -- | -- | 344.42 (13.56) | -- | -- | 39.62 (1.56) | 54.1 (2.13) | -- | 1200P ① |
| 355.6 (14) | 333.5 (13.13) | 254 (10) | 273.05 (10.75) | 254 (10) | 281.94 (11.1) | 254 (10) | 289.56 (11.4) | -- | -- | -- | 15-9/16 | -- | -- | 39.62 (1.56) | 54.1 (2.13) | -- | 1400P ① |
| 406.4 (16) | 381 (15) | 304.8 (12) | 323.85 (12.75) | 304.8 (12) | 335.28 (13.2) | 304.8 (12) | 342.9 (13.5) | -- | -- | -- | 17-9/16 | -- | -- | 39.62 (1.56) | 54.1 (2.13) | -- | 1600P ① |



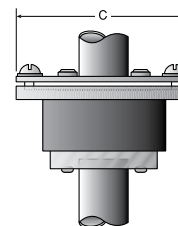
Type CSME



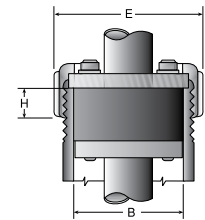
Type CSML



Type CSMI



Type CSMC with steel membrane clamp



Type CSMG

① Type CSMG and CSMC are not available in these sizes.

Thruwall and Floor Seals

For New Installation

The O-Z/Gedney Thruwall and Floor Seals provide a positive means of sealing pipe, conduit or tube where they pass through a concrete foundation of a structure below grade or below ground water level or at entry points through a concrete wall or floor which must be sealed. The usual methods of making installations, such as using straight sleeves or pitch pockets, are generally not satisfactory for their effectiveness depends upon the skill and care of the installer. If the installation is not effective, leakage will occur. Considerable time and effort may be required to remake the seal. The O-Z/Gedney Thruwall and Floor Seals assure watertight installations by providing the following features:

I. Prevention of Seepage

- Seepage is eliminated between A and B by the blockage points C created by the shrinkage of the concrete on the body fins.

II. Pressure Tight Seal

- a) When the extra thick Neoprene Grommet 4 is compressed, it provides a watertight seal between the Body 5 and the entering pipe, conduit or tube withstanding pressures in excess of a 50 ft. head of water without leakage.
- b) The Neoprene Grommet compensates for a plus or minus variation in the outside diameter of the entering pipe, conduit or tube.
- c) The Neoprene Grommet will provide a proper seal even if the entering pipe, conduit or tube is forced off the center line of the fitting or is tilted because of the pressure exerted on the pipe by the back fill.

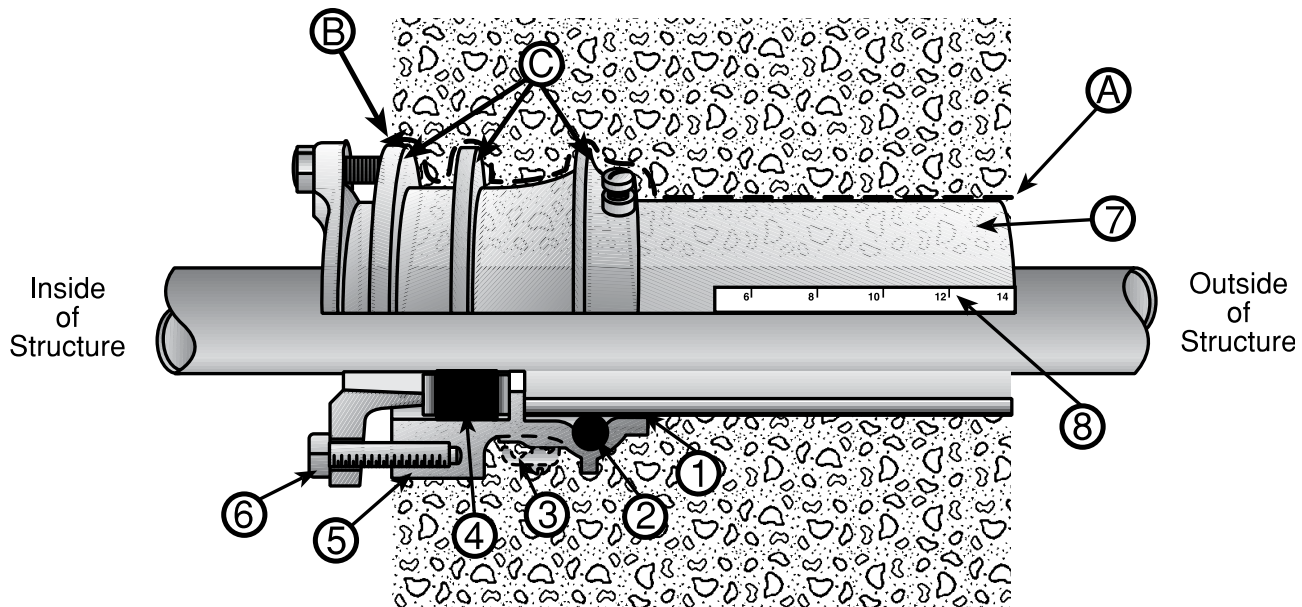
Features:

III. Pressure Tight and Concrete-Tight Housing

- To further insure a pressure tight and concrete-tight housing a neoprene ring 2 is provided to effect a seal between the Body 5 and the Oversize Sleeve 7.

IV. Easy to Install

- a) Nail holes are provided for attaching the fitting to the concrete forms, or the fitting can be installed by the use of positioning rods which pass through the forms and the inside of the fitting.
- b) To accommodate walls or floors of varying thicknesses the Oversize Sleeve 7 can be field-cut by using Marker Strip 8.
- c) Small hand wrenches are used to tighten the exposed hex head bolts 6 to compress the sealing assembly. No special wrenches are required. Hand wrenches allow tightening when space is limited. They also facilitate retightening if they were insufficiently tightened initially.
- d) An easy means of attaching a ground wire 3 is available, if required.



Thruwall and Floor Seals

For New Installation

Order of Assembly

Fig. 1

- A** If wall or floor thickness is less than 14", cut length of oversize sleeve to suit. Use marker strip provided.
- B** Secure assembly of body and oversize sleeve to concrete forms by using the nail holes provided, or by using positioning rods which pass thru the forms and the inside of the fitting.
- C** If fitting is to be grounded, attach grounding wire using ground pad assembly which is furnished only when specified.

Note: The sealing assembly parts, which are used later in Step F, are contained in a separate package and should be stored until they are needed.

Fig. 2

- D** After concrete has been poured and the forms have been taken down, remove the protective cover from the fitting. (This cover is installed temporarily to keep concrete out of tapped holes and out of fitting.)
- E** Pass cable, conduit or tube thru the fitting.

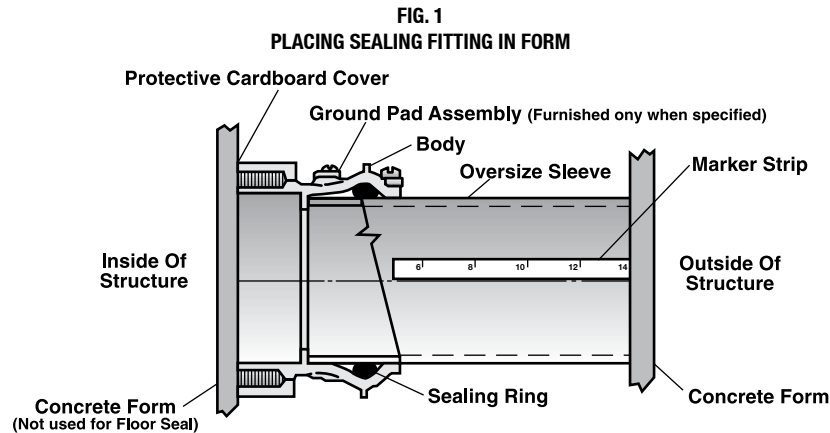
- F** Slip one of the pressure rings, the neoprene sealing grommet, the other pressure ring and the pressure clamp over the end of entering cable, conduit or tube as shown and insert these parts into the end of the body.
- G** Insert hex head cap screws into screw holes, and tighten until neoprene sealing grommet is sufficiently squeezed between the two pressure rings to seal around the cable, conduit or tube and the inside of body.
- H** DO NOT OVER TIGHTEN. At a later date if it is found that the sealing Assembly was not tightened sufficiently, it may be retightened to stop leakage or seepage.

Supplementary Instructions for Installing Sealing Ring

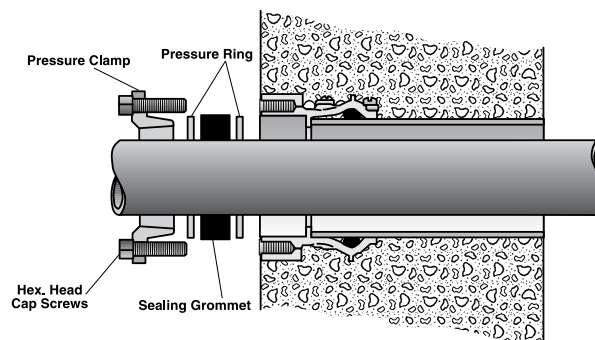
- Sealing ring is coated with rubber lubricant at factory to ease the passage of the oversize sleeve. If the oversize sleeve should be difficult to insert, apply additional rubber lubricant to the sealing ring and/or chamfer the end of the sleeve.

Note: Installation instructions are included with each fitting.

Typical Installation Instructions



**FIG. 2
INSTALLING CABLE CONDUIT OR PIPE AND SEALING ASSEMBLY**



Thruwall and Floor Seals

For New Installation

General Information

Design

The Thruwall and Floor Seal performs two functions:

1) TO PROVIDE A WATERTIGHT BLOCKAGE BETWEEN POURED CONCRETE AND THE FITTING BODY. Watertight blockage is accomplished by special designed fins cast on the outside of the Body, which permit the concrete, when it cures, to shrink around these fins, preventing water from creeping along the outside of the body.

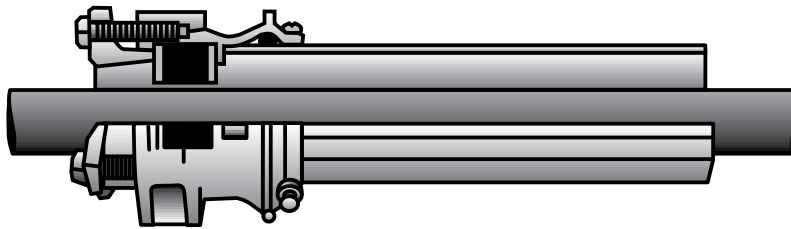
2) TO PROVIDE A PRESSURE SEAL BETWEEN THE FITTING BODY AND THE OUTSIDE DIAMETER OF ANY ROUND CASING PENETRATING A WALL, FLOOR OR CEILING.

Pressure sealing is based on an engineering principle that solid rubber-like materials are incompressible. If properly selected material is confined and is compressed, the material will flow to fill all voids, providing a very effective, long lasting seal. The sealing grommet is a shock absorber between the fitting and the casing. It allows axial movement of the casing, removing stresses from the casing. The PVC coated steel rings provide cathodic protection as it insulates the sealing fitting from the casing.

Applications

- Type FSK and WSK Thruwall Sealing Fittings are used where a single casing penetrates the fitting. The FSC and WSC Thruwall Sealing fittings are used where multiple casings penetrate through one fitting.

- The Type FSK and Type FSC fittings are used for most sealing applications. They consist of a body and sealing assembly located on the inside of the structure, and an oversize sleeve which extends from the fitting to the outside of the structure wall. After the foundation is poured, the concrete forms are removed and the round casing is inserted into the body, providing a pressure-tight seal between the round casing and the body of the fitting. The sealing assembly is always available on the inside of the structure for retightening, in the event that sufficient tightening was not utilized during the initial installation.
- The WSK and the WSC fittings are the same as the Type FSK and FSC fittings except that they have a body and sealing assembly on both sides of the oversize sleeve. This provides a pressure seal on both sides of the wall. The Type WSK and WSC fittings can be used on applications where a seal is required on each side of the wall. The body and sealing assembly on the outside of the wall can also be used as a throttle to limit the pressure on the sealing assembly on the inside of the structure. This practice is used where applications require future provisions for replacing the inside sealing assembly when there is a high pressure on the outside wall.
- Another purpose for the Type WSK and WSC fitting is to keep the round casing in the center of the fitting and not have it deflect in the oversize sleeve in the event of earth movement in the back fill.
- Sealing grommets have an expected life in excess of 20 years.



Type FSK

Thruwall and Floor Seals

For New Installation

General Information

Material Specifications

- 1) BODIES AND PRESSURE CLAMPS are high strength malleable or ductile iron coated with a high organic zinc sacrificial conductive epoxy coating.

Exception: Bodies of FSK 60 and larger are cast iron, malleable iron and cast iron are both inherently corrosion resistant.

- 2) PRESSURE RINGS are closely sized to fitting inside diameter and outside diameter of casing. They are thick steel plates that have a heavy durable PVC coating, utilizing the very effective fluid bed process. PVC coating provides an insulation between the sealing assembly, and the casing to provide cathodic protection by eliminating stray electrical currents from flowing between the fitting and the casting.

Exception: Multi-hole Type FSC and WSC sealing assemblies are furnished with low water-absorbing high-impact thick phenolic plates in electrical applications to eliminate eddy current effect when single conductor AC currents pass through magnetic metal.

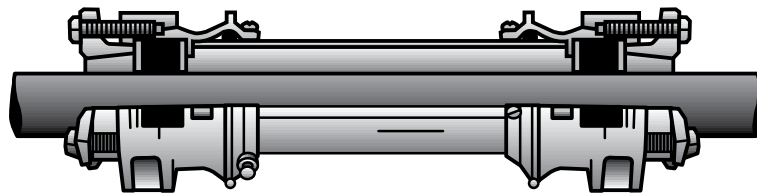
- 3) BOLTS are - Hex head cap bolts zinc electroplated.
- 4) NEOPRENE SEALING GROMMETS are molded or drilled to accommodate casing outside diameters. The neoprene is specifically compounded for the following very desirable operating characteristics:
 - Low compression modulus (the ability of the neoprene sealing ring to flow with low-tightening force).
 - Very low compression set (maintain seal over extended period without having to retighten).
 - Anti-oxidant (resistant to ozone attack).
 - Anti-oxidant (resistance to weathering).
 - Low crystallization (suitable for use at low temperatures).
 - Fire retardant (will not support combustion).
- 5) OVERSIZE SLEEVES have a marker strip to facilitate field-cutting of sleeves to accommodate walls or floors of varying thicknesses and are furnished in the following material:

- On FSK10 through FSK40 - High strength, high-impact, durable PVC pipe.
- On FSK60 - Steel pipe coated with a high organic zinc conductive Epoxy coating.
- On FSK100 and larger - High strength, high-impact, thick polyethylene pipe.

Special Features Available at Price Addition

- 1) Bodies and pressure clamps can be furnished hot dip galvanized.
- 2) Pressure rings can be furnished in Type 304 stainless steel, uncoated or coated with PVC.
- 3) Sealing grommets can be furnished in materials other than Neoprene; such as Silicone, for high temperature hot water and steam pipe applications to 400°F.
- 4) Oversize sleeves, other than standard, can be furnished in other materials that are available having the same outside diameter as the sleeves used. Oversize sleeves longer than standard are also available.
- 5) Tightening bolts can be furnished in steel with hot dip galvanized finish, or Stainless Steel Type 316 (standard zinc plated steel).
- 6) Provisions for connecting grounding wire.
- 7) FSKA Adapters (used on oversize sleeve with type FSK and FSC) to clamp membrane material around casing penetration.
- 8) Adapters to clamp membrane to Thruwall and Floor Seal body when the membrane is on the same side of the wall or floor as the Body.

WARNING Blank fittings are intended for use as abandonment plugs and for sealing openings reserved for future use. DO NOT FIELD DRILL. O-Z/Gedney will not be responsible for any device that has been modified in the field.



Type WSK

Thruwall and Floor Seals

For New Installation

Order of Assembly

- 1 Bodies and oversize sleeve as a unit is mounted in concrete forms.
- 2 Pour concrete.
- 3 Remove forms, pass conduit thru fitting and install sealing assembly parts.

Applications

- Where conduit, pipe or tubing enters a building through the concrete foundation below grade or ground water level, or where it is necessary to seal around a conduit, pipe or tubing where it passes through a concrete floor or wall.
- These fittings are designed so that each body size will accept several different size sealing assemblies which are made to fit the standard sizes of conduit, steel or cast iron pipe, or copper tubing.
- If desired, this design permits the purchase of the fitting less the sealing assembly for mounting in the concrete forms before the concrete is poured.
- At a later date the sealing assembly can be ordered and the installation completed.

Features

- The installation of these fittings is simplified by the use of hex head screws on the sealing assembly.

- Ordinary wrenches are used for tightening, which is desirable especially where space is limited.
- The standard fittings up to the "FSK-40-450" are furnished with a PVC oversize sleeve and the "FSK-60-480" thru "FSK-60-663" sizes have a steel sleeve. (Steel sleeves can be furnished on the sizes up to FSK-40-450.)
- All the standard sleeves will accommodate a wall or floor up to 14" thick and a marker strip, divided in inches, is provided on the sleeve to facilitate field cutting for wall less than 14".
- Longer sleeves for use in walls or floors of greater thickness are available.

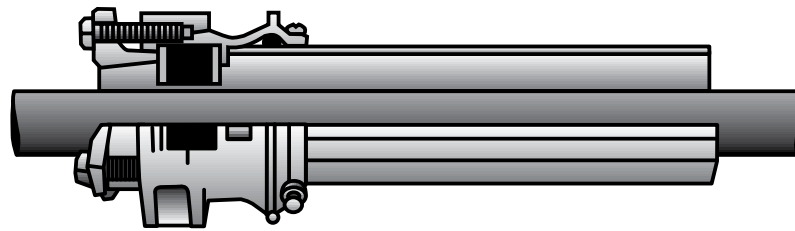
Standard Materials

- Castings - malleable or ductile iron
- FSK 60 Series bodies - cast iron
- Grommet - neoprene
- Pressure rings - steel

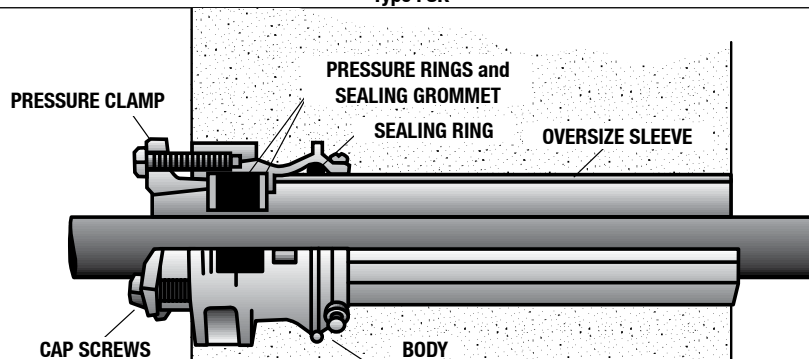
Standard Finishes

- Castings - alkyd enamel coating, hot dip galvanized available
- Pressure rings - PVC coated

WARNING: Blank Fittings are intended as abandonment plugs. DO NOT FIELD DRILL.



Type FSK



Type FSK Installation

TO ORDER SPECIFY:

1. Catalog Number
2. Size and O.D. of conduit, pipe or tubing
3. Wall thickness if greater than 14"
4. Special features where required

Thruwall and Floor Seals

For New Installation

| Steel Pipe or Conduit | | Dimensions in Millimeters (Inches) | | | | | | Catalog Number | | |
|--------------------------|---------------|------------------------------------|---------------|---------------|--------------|--|--|--|-------------------|------------------------------------|
| | | Cast Iron Pipe | | Copper Tubing | | Minimum Wall Thickness (Inches) | Oversize Sleeve Catalog No. ① | Fitting Complete with Sealing Assembly | Fitting Only ② | Sealing Assembly ④ Only ③ |
| Nom I.D. | O.D. | Nom I.D. | O.D. | Nom I.D. | O.D. | | | | | |
| | | | | 9.65 (0.38) | 12.7 (0.5) | | | FSK-10-68 | | FSK-68-25 |
| 9.65 (0.38) | 17.27 (0.68) | | | 12.7 (0.5) | 16 (0.63) | | | | | |
| 12.7 (0.5) | 21.34 (0.84) | | | 19.05 (0.75) | 22.35 (0.88) | 95.25 (3.75) | Sleeve 2 | FSK-10-88 | FSK-1020 | FSK-88-25 |
| 19.05 (0.75) | 26.67 (1.05) | | | 25.4 (1) | 28.7 (1.13) | | | FSK-10-113 | | FSK-113-25 |
| 25.4 (1) | 33.53 (1.32) | | | 31.75 (1.25) | 35.05 (1.38) | | | FSK-10-138 | | FSK-138-25 |
| 31.75 (1.25) | 42.16 (1.66) | | | 38.1 (1.5) | 41.4 (1.63) | | | FSK-20-166 | | FSK-166-35 |
| 38.1 (1.5) | 48.26 (1.9) | | | 44.45 (1.75) | 47.75 (1.88) | 106.43 (4.19) | Sleeve 3 | FSK-20-193 | FSK-2030 | FSK-193-35 |
| | 50.8 (2) | | | 50.8 (2) | 54.1 (2.13) | | | FSK-20-213 | | FSK-213-35 |
| 50.8 (2) | 60.45 (2.38) | 50.8 (2) | 63.5 (2.5) | 57.15 (2.25) | 60.45 (2.38) | | | FSK-20-250 | | FSK-250-35 |
| | | 50.8 (2) | 66.8 (2.63) | 63.5 (2.5) | 66.8 (2.63) | | | FSK-30-263 | | FSK-263-45 |
| 63.5 (2.5) | 73.15 (2.88) | 50.8 (2) | 69.85 (2.75) | | | 111.25 (4.38) | Sleeve 4 | FSK-30-288 | FSK-3040 | FSK-288-45 |
| | 76.2 (3) | | | | | | | FSK-30-313 | | FSK-313-45 |
| 76.2 (3) | 88.9 (3.5) | | | | | | | FSK-30-350 | | FSK-350-45 |
| | | 76.2 (3) | 92.96 (3.66) | | | | | FSK-40-366 | | FSK-366-55 |
| | | 76.2 (3) | 96.52 (3.8) | | | 117.6 (4.63) | Sleeve 5 | FSK-40-380 | FSK-4050 | FSK-380-55 |
| 88.9 (3.5) | 101.6 (4) | 76.2 (3) | 100.58 (3.96) | | | | | FSK-40-410 | | FSK-410-55 |
| 101.6 (4) | 114.3 (4.5) | | | | | | | FSK-40-450 | | FSK-450-55 |
| | | 101.6 (4) | 121.92 (4.8) | | | | | FSK-60-480 | | FSK-480-80 |
| 114.3 (4.5) | 127 (5) | 101.6 (4) | 127 (5) | | | | | FSK-60-506 | | FSK-506-80 |
| | 133.35 (5.25) | | | | | | | FSK-60-530 | | FSK-530-80 |
| | 139.7 (5.5) | | | | | | | | | |
| 127 (5) | 141.22 (5.56) | | | | | 127 (5) | Sleeve 7 | FSK-60-563 | FSK-6070 | FSK-563-80 |
| | 152.4 (6) | | | | | | | FSK-60-610 | | |
| | 165.1 (6.5) | | | | | | | | | |
| 152.4 (6) | 168.4 (6.63) | | | | | | | FSK-60-663 | | FSK-663-80 |

Thruwall Seals for LARGE SIZE MECHANICAL PIPES up to 14" O.D. are listed on Page SA9.

Grounding connection on one end can be furnished if required. See catalog page QA14 for ordering information.

Ground Lug must be ordered on separate line immediately following FSK.

① Oversize sleeve can be ordered to accommodate wall thickness over 14". To order, specify actual wall thickness (not desired sleeve length).

② "Fitting Only" consists of the following parts, malleable or ductile iron bodies, oversize sleeve and sealing rings.

(Except FSK 60 Series.)

③ Furnished with a "Sealing Assembly" consisting of the following parts: pressure clamp, hex head cap screws, pressure rings and sealing grommet.

④ A set of pressure rings and sealing grommet only is available separately.

Thruwall and Floor Seals

For New Installation

Order of Assembly

- 1 Bodies and oversize sleeve as a unit is mounted in concrete forms.
- 2 Pour concrete.
- 3 Remove forms, pass conduit thru fitting and install sealing assembly parts.

Applications

- Where conduit, pipe or tubing enters a building through the concrete foundation below grade or ground water level, or where it is necessary to seal around a conduit, pipe or tubing where it passes through a concrete floor or wall.
- These fittings are designed so that each body size will accept several different size sealing assemblies which are made to fit the standard sizes of conduit, steel or cast iron pipe, or copper tubing.
- If desired, this design permits the purchase of the fitting less the sealing assembly for mounting in the concrete forms before the concrete is poured.
- At a later date the sealing assembly can be ordered and the installation completed.

Features

- The installation of these fittings is simplified by the use of hex head screws on the sealing assembly.

- Ordinary wrenches are used for tightening, which is desirable especially where space is limited.
- The standard fittings up to the "WSK-40-450" are furnished with a PVC oversize sleeve and the "WSK-60-480" through "WSK-60-663" sizes have a steel sleeve. (Steel sleeves can be furnished on the sizes up to WSK-40-450.)
- All the standard sleeves will accommodate a wall or floor up to 16" thick and a marker strip, divided in inches, is provided on the sleeve to facilitate field cutting for walls less than 16".
- Longer sleeves for use in walls or floors of greater thickness are available.

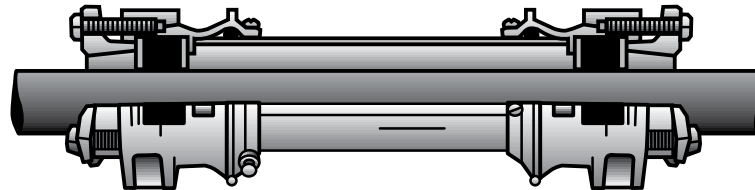
Standard Materials

- Castings - malleable or ductile iron
- WSK 60 Series bodies - cast iron
- Grommet - neoprene
- Pressure rings - steel

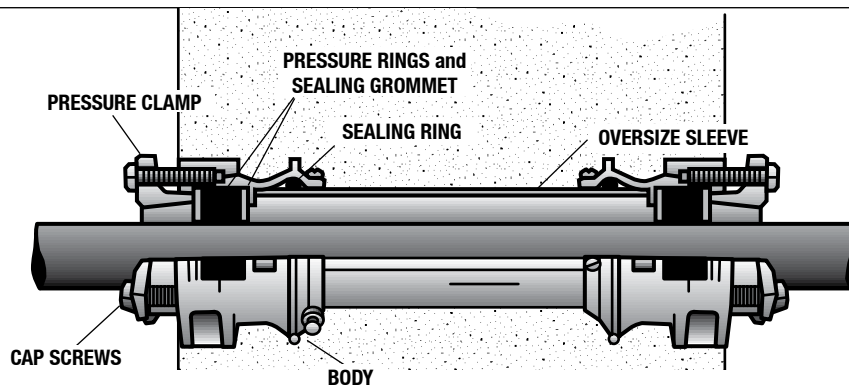
Standard Finishes

- Castings - alkyd enamel coating, hot dip galvanized available
- Pressure rings - PVC coated

WARNING: Blank Fittings are intended as abandonment plugs. DO NOT FIELD DRILL.



Type WSK



Type WSK Installation

TO ORDER SPECIFY:

1. Catalog Number
2. Size and O.D. of conduit, pipe or tubing
3. Wall thickness if greater than 16"
4. Special features where required

Thruwall and Floor Seals

For New Installation

| Steel Pipe or Conduit | | Dimensions in Millimeters (Inches) | | | | | | Catalog Number | | |
|--------------------------|---------------|------------------------------------|---------------|---------------|--------------|------------------------------|--|--|-------------------|---------------------------------|
| | | Cast Iron Pipe | | Copper Tubing | | Minimum Wall Thickness | Oversize Sleeve Catalog No. ① | Fitting Complete with Sealing Assembly | Fitting Only ② | Sealing Assembly ④ Only ③ |
| Nom I.D. | O.D. | Nom I.D. | O.D. | Nom I.D. | O.D. | | | | | |
| | | | | 9.65 (0.38) | 12.7 (0.5) | | | WSK-10-68 | | WSK-68-25 |
| 9.65 (0.38) | 17.27 (0.68) | | | 12.7 (0.5) | 16 (0.63) | | | | | |
| 12.7 (0.5) | 21.34 (0.84) | | | 19.05 (0.75) | 22.35 (0.88) | 190.5 (7.5) | Sleeve 2 | WSK-10-88 | WSK-1020 | WSK-88-25 |
| 19.05 (0.75) | 26.67 (1.05) | | | 25.4 (1) | 28.7 (1.13) | | | WSK-10-113 | | WSK-113-25 |
| 25.4 (1) | 33.53 (1.32) | | | 31.75 (1.25) | 35.05 (1.38) | | | WSK-10-138 | | WSK-138-25 |
| 31.75 (1.25) | 42.16 (1.66) | | | 38.1 (1.5) | 41.4 (1.63) | | | WSK-20-166 | | WSK-166-35 |
| 38.1 (1.5) | 48.26 (1.9) | | | 44.45 (1.75) | 47.75 (1.88) | 212.85 (8.38) | Sleeve 3 | WSK-20-193 | WSK-2030 | WSK-193-35 |
| | 50.8 (2) | | | 50.8 (2) | 54.1 (2.13) | | | WSK-20-213 | | WSK-213-35 |
| 50.8 (2) | 60.45 (2.38) | 50.8 (2) | 63.5 (2.5) | 57.15 (2.25) | 60.45 (2.38) | | | WSK-20-250 | | WSK-250-35 |
| | | 50.8 (2) | 66.8 (2.63) | 63.5 (2.5) | 66.8 (2.63) | | | WSK-30-263 | | WSK-263-45 |
| 63.5 (2.5) | 73.15 (2.88) | 50.8 (2) | 69.85 (2.75) | | | 222.25 (8.75) | Sleeve 4 | WSK-30-288 | WSK-3040 | WSK-288-45 |
| | 76.2 (3) | | | | | | | WSK-30-313 | | WSK-313-45 |
| 76.2 (3) | 88.9 (3.5) | | | | | | | WSK-30-350 | | WSK-350-45 |
| | | 76.2 (3) | 92.96 (3.66) | | | | | WSK-40-366 | | WSK-366-55 |
| | | 76.2 (3) | 96.52 (3.8) | | | 234.95 (9.25) | Sleeve 5 | WSK-40-380 | WSK-4050 | WSK-380-55 |
| 88.9 (3.5) | 101.6 (4) | 76.2 (3) | 100.58 (3.96) | | | | | WSK-40-410 | | WSK-410-55 |
| 101.6 (4) | 114.3 (4.5) | | | | | | | WSK-40-450 | | WSK-450-55 |
| | | 101.6 (4) | 121.92 (4.8) | | | | | WSK-60-480 | | WSK-480-80 |
| 114.3 (4.5) | 127 (5) | 101.6 (4) | 127 (5) | | | | | WSK-60-506 | | WSK-506-80 |
| | 133.35 (5.25) | | | | | | | WSK-60-530 | | WSK-530-80 |
| | 139.7 (5.5) | | | | | | | | | |
| 127 (5) | 141.22 (5.56) | | | | | 254 (10) | Sleeve 7 | WSK-60-563 | WSK-6070 | WSK-563-80 |
| | 152.4 (6) | | | | | | | WSK-60-610 | | |
| | 165.1 (6.5) | | | | | | | | | |
| 152.4 (6) | 168.4 (6.63) | | | | | | | WSK-60-663 | | WSK-663-80 |

Thruwall Seals for LARGE SIZE MECHANICAL PIPES up to 14" O.D. are listed on Page SA9.

Grounding connection on one end can be furnished if required. See catalog page QA14 for ordering information.

Ground Lug must be ordered on separate line immediately following FSK.

① Oversize sleeve can be ordered to accommodate wall thickness over 14". To order, specify actual wall thickness (not desired sleeve length).

② "Fitting Only" consists of the following parts, malleable or ductile iron bodies, oversize sleeve and sealing rings. (Except FSK 60 Series.)

③ Furnished with a "Sealing Assembly" consisting of the following parts: pressure clamp, hex head cap screws, pressure rings and sealing grommet.

④ A set of pressure rings and sealing grommet only is available separately.

Thruwall and Floor Seals

For New Installation

Application

- Where direct burial cables located below grade or ground water level enter a building through the concrete foundation or for sealing around exposes cables passing through a concrete wall.
- If desired, this design permits the purchase of the fitting less sealing assembly, for mounting in the concrete forms before the concrete is poured.
- At a later date, the sealing assemblies to accommodate the specific size and number of wires can be ordered and the installation completed.

Features

- The installation of these fittings is simplified by the use of hex head screws on the sealing assembly.
- Ordinary wrenches are used for tightening, which is desirable especially where space is limited.
- Where it is desirable or convenient to have a sealing assembly on both sides of the wall Type "WSCS" should be specified.
- The standard fittings up to the "FSC 5055" and "WSC 5055" are furnished with PVC sleeve and the "FSC 7080" and "WSC 7080" sizes have a steel sleeve. (Steel sleeves can be furnished on the sizes up to "FSC 5055" and "WSC 5055" at an additional charge.)

- The standard sleeve will accommodate a wall or floor up to 14" thick on the Type "FSC" fittings and up to 16" thick on the Type "WSC" fittings and a marker strip, divided in inches is provided on the sleeve to facilitate field cutting for walls or floors less than 14" or 16" thick.
- Longer sleeves for fittings for use in walls or floors of greater thickness are available at an additional charge.

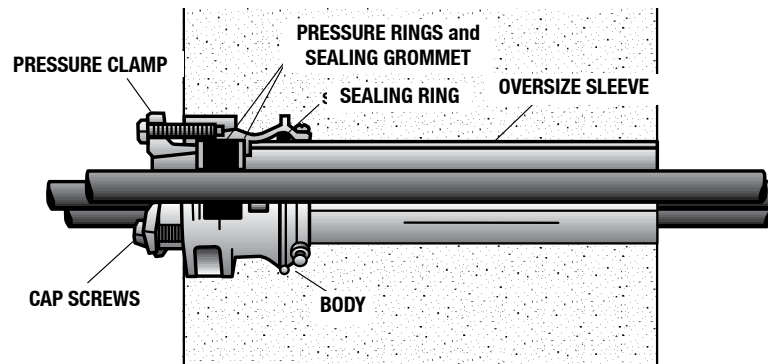
Standard Materials

- Castings - malleable or ductile iron
- FSCS 7080 Series bodies - cast iron
- Pressure rings - phenolic

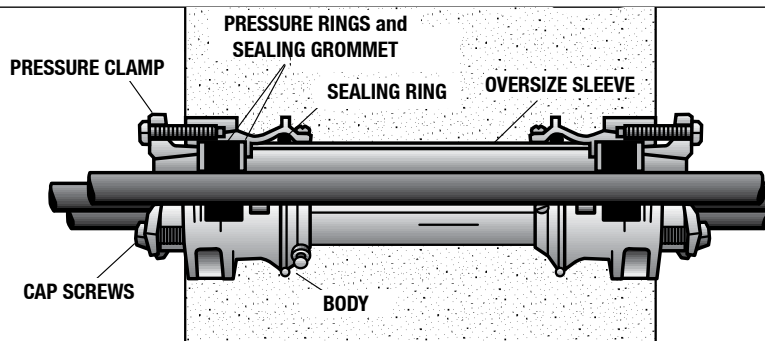
Standard Finishes

- Castings - alkyd enamel coating, hot dip galvanized available

WARNING: Blank Fittings are intended as abandonment plugs. DO NOT FIELD DRILL.



Type FSCS Installation



Type WSK Installation

TO ORDER SPECIFY:

1. Catalog Number
2. Number of Cables
3. Diameter over Insulation of Individual conductors
4. Wall thickness if greater than 14" on Type FSCS or 16" on Type WSCS
5. Special features where required

Thruwall and Floor Seals

For New Installation

Type FSCS

| Max. Diameter of ^⑤ Wire Permitted – Inches | | | | | | Catalog Number | | | | |
|--|-----------------|-----------------|-----------------|---------------------|-------------------|----------------------------|---------------------------------------|---|------------------------------|--|
| 1 ^④ Wires | 2 Wires | 3 Wires | 4 Wires | Min. Wall Thick. | Max. Dia. | Sleeve Catalog No. ① | Oversize No. of Clamp Screws | Fitting Complete with Sealing Assembly | Fitting Only ^② | Sealing Assembly Only ^③ |
| 33.27 (1.31) | 14.22 (0.56) | 13.46 (0.53) | 11.18 (0.44) | 95.25 (3.75) | 120.65 (4.75) | Sleeve 2 | 2 | c | FSCS-20 | FSCS-25 |
| 60.45 (2.38) | 26.16 (1.03) | 24.64 (0.97) | 21.34 (0.84) | 106.43 (4.19) | 146.05 (5.75) | Sleeve 3 | 3 | FSCS-3035 | FSCS-30 | FSCS-35 |
| 88.9 (3.5) | 40.64 (1.6) | 37.34 (1.47) | 31.24 (1.23) | 111.25 (4.38) | 171.45 (6.75) | Sleeve 4 | 4 | FSCS-4045 | FSCS-40 | FSCS-45 |
| 114.3 (4.5) | 50.04 (1.97) | 46.99 (1.85) | 40.64 (1.6) | 117.6 (4.63) | 200.15 (7.88) | Sleeve 5 | 4 | FSCS-5055 | FSCS-50 | FSCS-55 |
| 175.26 (6.9) | 78.74 (3.1) | 72.39 (2.85) | 62.74 (2.47) | 127 (5) | 260.35 (10.25) | Sleeve 7 | 6 | FSCS-7080 | FSCS-70 | FSCS-80 |

Type WSCS

| Max. Diameter of Wire Permitted – Inches | | | | | | Catalog Number | | | | |
|---|-----------------|-----------------|-----------------|---------------------|-------------------|-----------------------|---------------------------------------|---|-----------------|-----------------------------|
| 1 Wires | 2 Wires | 3 Wires | 4 Wires | Min. Wall Thick. | Max. Dia. | Sleeve Catalog No. | Oversize No. of Clamp Screws | Fitting Complete with Sealing Assembly | Fitting Only | Sealing Assembly Only |
| 33.27 (1.31) | 14.22 (0.56) | 13.46 (0.53) | 11.18 (0.44) | 190.5 (7.5) | 120.65 (4.75) | Sleeve 2 | 2 | WSCS-2025 | WSCS-20 | WSCS-25 |
| 60.45 (2.38) | 26.16 (1.03) | 24.64 (0.97) | 21.34 (0.84) | 212.85 (8.38) | 146.05 (5.75) | Sleeve 3 | 3 | WSCS-3035 | WSCS-30 | WSCS-35 |
| 88.9 (3.5) | 40.64 (1.6) | 37.34 (1.47) | 31.24 (1.23) | 234.95 (9.25) | 171.45 (6.75) | Sleeve 4 | 4 | WSCS-4045 | WSCS-40 | WSCS-45 |
| 114.3 (4.5) | 50.04 (1.97) | 46.99 (1.85) | 40.64 (1.6) | 234.95 (9.25) | 200.15 (7.88) | Sleeve 5 | 4 | WSCS-5055 | WSCS-50 | WSCS-55 |
| 175.26 (6.9) | 78.74 (3.1) | 72.39 (2.85) | 62.74 (2.47) | 254 (10) | 260.35 (10.25) | Sleeve 7 | 6 | WSCS-7080 | WSCS-70 | WSCS-80 |

For sizes other than those shown above, consult factory.

Grounding Connection on one end can be furnished if required. Ground Lug must be ordered on separate line immediately following FSK.

① Oversize sleeve can be ordered to accommodate wall thickness over 14". To order, specify actual wall thickness (not desired sleeve length).

② "Fitting Only" consists of the following parts, malleable or ductile iron body (2 on type "WSCS"). Sealing ring(s) and oversize sleeve.

③ "Sealing Assembly" consists of the following parts: pressure clamp, hex head cap screws, pressure rings and sealing grommet. The type "WSCS" is furnished with two sealing assemblies.

Clamp, hex head cap screws, pressure rings and sealing grommet. The type "WSCS" is furnished with two sealing assemblies.

Fitting similar to those shown above are available for use with cable in asbestos cement duct. Fibre, plastic or unthreaded steel conduit. Refer to factory.

④ If a single alternating current conductor is used, a non-ferrous fitting must be specified. Refer to factory.

⑤ Fittings can be furnished for more than four wires or for wires of varying sizes.

Controlled Environment Vault Cable Seal

For Cable Penetrations of Underground Vaults

Applications

- To seal cable penetration of controlled environment vaults.
- For use as a future use fitting.

Features:

- Cast iron durability.
- Integral water barrier.
- Seals tightened with standard 3/4" wrench.
- Easy, craft friendly installation.
- Hub with NPT thread.
- Withstands 50 ft. head of water pressure without leakage.
- Fitting seal always accessible for retightening.

Standard Materials

- Sealing grommet - low compression modulus neoprene
- Hex head bolts: zinc plated steel
- Pressure discs: steel

Standard Finishes

- Pressure discs - PVC coated

Options

- Pressure Discs - stainless steel PVC coated
- Bolts - galvanized or stainless steel
- Sealing grommet available for multiple cables of varying sizes

Cable Sealing Assembly Consists of

- Two pressure discs drilled to size
- One sealing grommet to fit cable O.D.

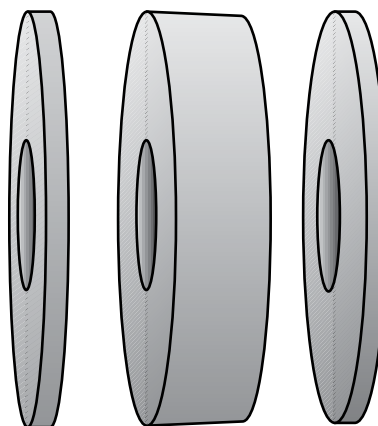
TO ORDER SPECIFY:

1. Catalog Number
2. Number of Cables
3. Maximum Diameter of Individual Cables
4. Optional Material, if required

Grommet Characteristics

- Neoprene sealing grommets are molded or drilled to accommodate cable outside diameters.
- The Neoprene is specifically compounded for the following very desirable operating characteristics:
 - Low compression modulus (the ability of the neoprene to flow with low-tightening force)
 - Very low compression set (maintain seal over extended period without having to retighten)
 - Anti-oxidant (resistance to weathering and ozone attack)
 - Low crystallization (suitable for use at low temperatures)
 - Fire retardant (will not support combustion)
 - An expected life in excess of 20 years

Warning: Blank fittings are intended as abandonment and future use devices.
DO NOT FIELD DRILL.



Cable Sealing Assembly

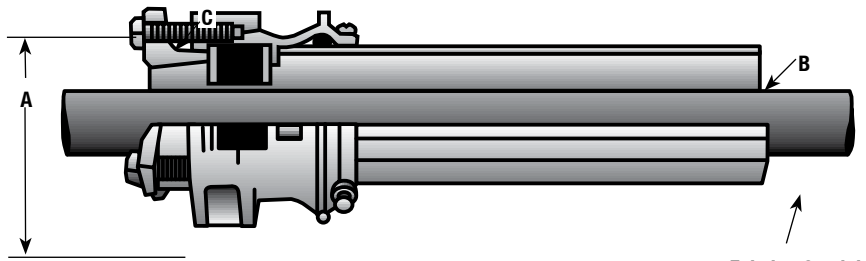
| Max. Diameter of Cable Permitted – Millimeters (Inches) | | | | | |
|---|--------------|--------------|-------------|---------------|--------------------|
| 1 Cable | 2 Cables | 3 Cables | 4 Cables | Max. Dia. | Catalog Number |
| 88.9 (3.5) | 36.32 (1.43) | 33.27 (1.31) | 28.7 (1.13) | 115.82 (4.56) | FSCS-45-CEV |
| 114.3 (4.5) | 49.02 (1.93) | 44.45 (1.75) | 38.1 (1.5) | 139.7 (5.5) | FSCS-55-CEV |

Thruwall and Floor Seals

For Sealing Around a Conduit Pipe or Tube Passing through a Wall or Floor

| Steel Pipe or Conduit | | Cast Iron Pipe | | Copper Tubing | | Wall Thickness Range | | A | B | C | Catalog Number | | |
|-----------------------|----------------|----------------|---------------|---------------|--------------|----------------------|------------|----------------|--------------------------------|---------------------|--|--------------|-----------------------|
| Nom. I.D. | O.D. | Nom. I.D. | O.D. | Nom. I.D. | O.D. | Min. | Max. | Max. Dia. | Oversize Sleeve Size Nom. I.D. | No. of Clamp Screws | Fitting Complete with Sealing Assembly | Fitting Only | Sealing Assembly Only |
| | | | | 9.65 (0.38) | 12.7 (0.5) | | | | | | FSK-10-68 | | FSK-68-25 |
| 9.65 (0.38) | 17.27 (0.68) | | | 12.7 (0.5) | 16 (0.63) | | | | | | | | |
| 12.7 (0.5) | 21.34 (0.84) | | | 19.05 (0.75) | 22.35 (0.88) | 95.25 (3.75) | 355.6 (14) | 120.65 (4.75) | 50.8 (2) | 50.8 (2) | FSK-10-88 | FSK-1020 | FSK-88-25 |
| 19.05 (0.75) | 26.67 (1.05) | | | 25.4 (1) | 28.7 (1.13) | | | | | | FSK-10-113 | | FSK-113-25 |
| 25.4 (1) | 33.53 (1.32) | | | 31.75 (1.25) | 35.05 (1.38) | | | | | | FSK-10-138 | | FSK-138-25 |
| 31.75 (1.25) | 42.16 (1.66) | | | 38.1 (1.5) | 41.4 (1.63) | 106.43 (4.19) | 355.6 (14) | 146.05 (5.75) | 76.2 (3) | 76.2 (3) | FSK-20-166 | | FSK-166-35 |
| 38.1 (1.5) | 48.26 (1.9) | | | 44.45 (1.75) | 47.75 (1.88) | | | | | | FSK-20-193 | | FSK-193-35 |
| | 50.8 (2) | | | 50.8 (2) | 54.1 (2.13) | | | | | | FSK-20-213 | | FSK-213-35 |
| 50.8 (2) | 60.45 (2.38) | 50.8 (2) | 63.5 (2.5) | 57.15 (2.25) | 60.45 (2.38) | | | | | | FSK-20-250 | | FSK-250-35 |
| | | 50.8 (2) | 66.8 (2.63) | 63.5 (2.5) | 66.8 (2.63) | 111.25 (4.38) | 355.6 (14) | 171.45 (6.75) | 101.6 (4) | 101.6 (4) | FSK-30-263 | | FSK-263-45 |
| 63.5 (2.5) | 73.15 (2.88) | 50.8 (2) | 69.85 (2.75) | | | | | | | | FSK-30-288 | | FSK-288-45 |
| | 76.2 (3) | | | | | | | | | | FSK-30-313 | | FSK-313-45 |
| 76.2 (3) | 88.9 (3.5) | | | | | | | | | | FSK-30-350 | | FSK-350-45 |
| | | 76.2 (3) | 92.96 (3.66) | | | 117.6 (4.63) | 355.6 (14) | 200.15 (7.88) | 127 (5) | 101.6 (4) | FSK-40-366 | | FSK-366-55 |
| | | 76.2 (3) | 96.52 (3.8) | | | | | | | | FSK-40-380 | | FSK-380-55 |
| 88.9 (3.5) | 101.6 (4) | 76.2 (3) | 100.58 (3.96) | | | | | | | | FSK-40-410 | | FSK-410-55 |
| 101.6 (4) | 114.3 (4.5) | | | | | | | | | | FSK-40-450 | | FSK-450-55 |
| | | 101.6 (4) | 121.92 (4.8) | | | 127 (5) | 355.6 (14) | 260.35 (10.25) | 177.8 (7) | 152.4 (6) | FSK-60-480 | | FSK-480-80 |
| 114.3 (4.5) | 127 (5) | 101.6 (4) | 127 (5) | | | | | | | | FSK-60-506 | | FSK-506-80 |
| | 133.35 (5.25) | | | | | | | | | | FSK-60-530 | | FSK-530-80 |
| | 139.7 (5.5) | | | | | | | | | | | | |
| | 141.22 (5.56) | | | | | | | | | | | | |
| | 152.4 (6) | | | | | | | | | | FSK-60-610 | | FSK-610-80 |
| | 165.1 (6.5) | | | | | | | | | | | | |
| | 168.4 (6.63) | | | | | | | | | | | | |
| | 0 (0) | 152.4 (6) | 175.26 (6.9) | | | 139.7 (5.5) | 609.6 (24) | 374.65 (14.75) | 304.8 (12) | 203.2 (8) | FSK-100-173 | | FSK-713-120 |
| | 177.8 (7) | | | | | | | | | | FSK-100-813 | | FSK-813-120 |
| 203.2 (8) | 203.2 (8) | | | | | | | | | | FSK-100-863 | | FSK-863-120 |
| | 219.2 (8.63) | 203.2 (8) | 229.87 (9.05) | | | | | | | | FSK-100-913 | FSK-100120 | FSK-913-120 |
| | | 203.2 (8) | 236.22 (9.3) | | | | | | | | FSK-100-943 | | FSK-943-120 |
| | 254 (10) | | | | | | | | | | FSK-100-1000 | | FSK-1000-120 |
| 254 (10) | 273.05 (10.75) | | | | | | | | | | FSK-100-1075 | | FSK-1075-120 |
| | | 254 (10) | 281.94 (11.1) | | | 146.05 (5.75) | 609.6 (24) | 460.5 (18.13) | 406.4 (16) | 254 (10) | FSK-140-1113 | | FSK-1113-160 |
| | | 254 (10) | 289.56 (11.4) | | | | | | | | FSK-140-1150 | | FSK-1150-160 |
| | 304.8 (12) | | | | | | | | | | FSK-140-1200 | | FSK-1200-160 |
| 304.8 (12) | 323.85 (12.75) | | | | | | | | | | FSK-140-1275 | FSK-140160 | FSK-1275-160 |
| | | 304.8 (12) | 335.28 (13.2) | | | | | | | | FSK-140-1331 | | FSK-1331-160 |
| | | 304.8 (12) | 342.9 (13.5) | | | | | | | | FSK-140-1350 | | FSK-1350-160 |
| | 355.6 (14) | | | | | | | | | | FSK-140-1413 | | FSK-1413-160 |

Order of Assembly:
 1. Body and oversize sleeve as a unit is mounted to concrete forms
 2. Pour concrete
 3. Remove Forms, pass conduit through fitting and install sealing assembly parts



Type FSK

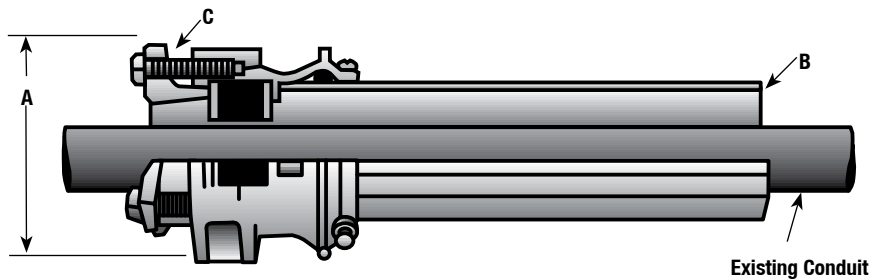
Thruwall and Floor Seals

For Sealing Around Conduit Passing through a Wall or Floor

| Steel Pipe or Conduit | | Cast Iron Pipe | | Copper Tubing | | Wall Thickness Range | | B | | | Catalog Number | | |
|-----------------------|----------------|----------------|---------------|---------------|--------------|----------------------|------------|----------------|--------------------------------|-----------------------|--|--------------|-----------------------|
| Nom. I.D. | O.D. | Nom. I.D. | O.D. | Nom. I.D. | O.D. | Min. | Max. | A Max. Dia. | OverSize Sleeve Size Nom. I.D. | C No. of Clamp Screws | Fitting Complete with Sealing Assembly | Fitting Only | Sealing Assembly Only |
| | | | | 9.65 (0.38) | 12.7 (0.5) | | | | | | WSK-10-68 | | WSK-68-25 |
| 9.65 (0.38) | 17.27 (0.68) | | | 12.7 (0.5) | 16 (0.63) | | | | | | | | |
| 12.7 (0.5) | 21.34 (0.84) | | | 19.05 (0.75) | 22.35 (0.88) | 190.5 (7.5) | 406.4 (16) | 120.65 (4.75) | 50.8 (2) | 50.8 (2) | WSK-10-88 | WSK-1020 | WSK-88-25 |
| 19.05 (0.75) | 26.67 (1.05) | | | 25.4 (1) | 28.7 (1.13) | | | | | | WSK-10-113 | | WSK-113-25 |
| 25.4 (1) | 33.53 (1.32) | | | 31.75 (1.25) | 35.05 (1.38) | | | | | | WSK-10-138 | | WSK-138-25 |
| 31.75 (1.25) | 42.16 (1.66) | | | 38.1 (1.5) | 41.4 (1.63) | | | | | | WSK-20-166 | | WSK-166-35 |
| 38.1 (1.5) | 48.26 (1.9) | | | 44.45 (1.75) | 47.75 (1.88) | | | | | | WSK-20-193 | | WSK-193-35 |
| | 50.8 (2) | | | 50.8 (2) | 54.1 (2.13) | | | | | | WSK-20-213 | | WSK-213-35 |
| 50.8 (2) | 60.45 (2.38) | 50.8 (2) | 63.5 (2.5) | 57.15 (2.25) | 60.45 (2.38) | | | | | | WSK-20-250 | | WSK-250-35 |
| | | 50.8 (2) | 66.8 (2.63) | 63.5 (2.5) | 66.8 (2.63) | | | | | | WSK-30-263 | | WSK-263-45 |
| 63.5 (2.5) | 73.15 (2.88) | 50.8 (2) | 69.85 (2.75) | | | | | | | | WSK-30-288 | | WSK-288-45 |
| | 76.2 (3) | | 0 (0) | | | | | | | | WSK-30-313 | | WSK-313-45 |
| 76.2 (3) | 88.9 (3.5) | | 0 (0) | | | | | | | | WSK-30-350 | | WSK-350-45 |
| | | 76.2 (3) | 92.96 (3.66) | | | | | | | | WSK-40-366 | | WSK-366-55 |
| | | 76.2 (3) | 96.52 (3.8) | | | | | | | | WSK-40-380 | | WSK-380-55 |
| 88.9 (3.5) | 101.6 (4) | 76.2 (3) | 100.58 (3.96) | | | | | | | | WSK-40-410 | | WSK-410-55 |
| 101.6 (4) | 114.3 (4.5) | | 0 (0) | | | | | | | | WSK-40-450 | | WSK-450-55 |
| | | 101.6 (4) | 121.92 (4.8) | | | | | | | | WSK-60-480 | | WSK-480-80 |
| 114.3 (4.5) | 127 (5) | 101.6 (4) | 127 (5) | | | | | | | | WSK-60-506 | | WSK-506-80 |
| | 133.35 (5.25) | | 0 (0) | | | | | | | | WSK-60-530 | | WSK-530-80 |
| | 139.7 (5.5) | | 0 (0) | | | | | | | | | | |
| | 141.22 (5.56) | | 0 (0) | | | | | | | | | | |
| | 152.4 (6) | | 0 (0) | | | | | | | | WSK-60-610 | | WSK-610-80 |
| | 165.1 (6.5) | | 0 (0) | | | | | | | | | | |
| | 168.4 (6.63) | | 0 (0) | | | | | | | | | | |
| | 177.8 (7) | 152.4 (6) | 175.26 (6.9) | | | | | | | | WSK-100-173 | | WSK-713-120 |
| | 203.2 (8) | | 0 (0) | | | | | | | | WSK-100-813 | | WSK-813-120 |
| 203.2 (8) | 219.2 (8.63) | | 0 (0) | | | | | | | | WSK-100-863 | | WSK-863-120 |
| | | 203.2 (8) | 229.87 (9.05) | | | 279.4 (11) | 685.8 (27) | 374.65 (14.75) | 304.8 (12) | 203.2 (8) | WSK-100-913 | WSK-100120 | WSK-913-120 |
| | | 203.2 (8) | 236.22 (9.3) | | | | | | | | WSK-100-943 | | WSK-943-120 |
| | 254 (10) | | 0 (0) | | | | | | | | WSK-100-1000 | | WSK-1000-120 |
| 254 (10) | 273.05 (10.75) | | 0 (0) | | | | | | | | WSK-100-1075 | | WSK-1075-120 |
| | | | 0 (0) | | | | | | | | | | |
| | | 254 (10) | 281.94 (11.1) | | | | | | | | WSK-140-1113 | | WSK-1113-160 |
| | | 254 (10) | 289.56 (11.4) | | | | | | | | WSK-140-1150 | | WSK-1150-160 |
| | 304.8 (12) | | 0 (0) | | | | | | | | WSK-140-1200 | | WSK-1200-160 |
| 304.8 (12) | 323.85 (12.75) | | 0 (0) | | | 292.1 (11.5) | 685.8 (27) | 460.5 (18.13) | 406.4 (16) | 254 (10) | WSK-140-1275 | WSK-140160 | WSK-1275-160 |
| | | 304.8 (12) | 335.28 (13.2) | | | | | | | | WSK-140-1331 | | WSK-1331-160 |
| | | 304.8 (12) | 342.9 (13.5) | | | | | | | | WSK-140-1350 | | WSK-1350-160 |
| | 355.6 (14) | | | | | | | | | | WSK-140-1413 | | WSK-1413-160 |

Order of Assembly:

1. Body and oversize sleeve as a unit is mounted to concrete forms
2. Pour concrete
3. Remove Forms, pass conduit through fitting and install sealing assembly parts



Type FSK

O-Z/Gedney Armored/Metal Clad Cable Terminators

Use of Armored Cable

Throughout industry, there is an increasing interest in the use of armored cable in trays or racks, instead of non-armored cable in conduit. Most large cable manufacturers offer this type cable at voltages to 15KV (either grounded or un-grounded neutral) with a choice of galvanized steel, aluminum or bronze armor with or without a jacket (such as Neoprene, PVC or Polyethylene) over the armor. The insulation on the individual conductor is usually some form of rubber, polyethylene, cross-linked polyethylene, EPR varnished cambric or varnished polyester glass with the same kind of protective tapes, shield construction and fillers as is used on non-armored cable. Other types of armored cable such as corrugated metal sheath and smooth aluminum sheath are also available.

Termination of Armored Cable:

O-Z/Gedney terminators have long been used to terminate armored cable. The increased use of armored cable and the introduction of new types during recent years has developed the need for many new fittings. To meet this need; O-Z/Gedney offers a line of armored cable terminators and cable supports. Included in this line are terminators for all types of armored cable (with or without a jacket over the armor) and for all types of installations.

ARMORED/METAL CLAD CABLE TERMINATOR SELECTION TABLE

| Terminator Type And Catalog Page No. | | | | | | For Entrance To Cabinet At Cabinet Entrances: | | | For Entrance To Cabinet At | | | Cable Support for Vertical Rise |
|--|------|--|------|-------------|---------------|---|--------------|----------------------------|----------------------------|------|-----|---------------------------------|
| For Non-Jacketed Interlocked Continuous Metal Clad Cable | | For Jacketed Interlocked Continuous ① Metal Clad Cable | | Water Tight | Compound Type | K.O or Slip Hole | D and T Hole | D and T w/ Inside Shoulder | Bottom | Side | Top | |
| Type | Page | Type | Page | | | | | | | | | |
| PK | TB2 | PK | TB2 | No | No | Yes | Yes | Yes | Yes | Yes | Yes | No |
| -- | -- | PG | TB13 | Yes | No | ④ | Yes | Yes | Yes | Yes | Yes | No |
| -- | -- | MCJ | TB12 | Yes | No | ④ | Yes | Yes | Yes | Yes | Yes | No |
| PKG | TB3 | -- | -- | Yes | No | Yes | No | No | Yes | Yes | Yes | No |
| PKS* | TB4 | -- | -- | Yes | ① | Yes | Yes | Yes | Yes | Yes | Yes | No |
| PKC | TB5 | SPKC | TB14 | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No |
| PKH | TB6 | SPKH | TB15 | Yes | Yes | Yes | No | No | ③ | Yes | ③ | No |
| PKHA | TB6 | SPKHA | TB15 | Yes | Yes | Yes | Yes | Yes | ③ | Yes | ③ | No |
| PKT | TB7 | SPKT | TB16 | Yes | Yes | Yes | No | No | No | No | Yes | No |
| PKTA | TB7 | SPKTA | TB16 | Yes | Yes | Yes | Yes | Yes | No | No | Yes | No |
| PKR | TB8 | PKR | TB8 | No | No | Yes | No | No | Yes | No | No | Yes |
| PKSR | TB8 | SPKSR | TB17 | Yes | No | Yes | No | No | Yes | No | No | Yes |
| PKK | TB10 | PKK | TB10 | No | No | For Terminating Metal Clad Cable Entering Conduit | | | | | | |
| PKGK | TB11 | SPKGK | TB19 | Yes | No | | | | | | | |
| PKHK | TB11 | SPKHK | TB19 | Yes | Yes | | | | | | | |
| -- | -- | TN | TB1 | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | No |
| -- | -- | JMC | TA3 | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | No |
| -- | -- | JMC-S | TA4 | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | No |

① The Type PKS fittings have a small compound chamber which can be filled only when mounted in an upright vertical position.

② Continuous armored cable such as corrugated metal sheath, smooth aluminum sheath or similar cables having armor which is inherently watertight without a jacket.

③ These fittings can be used for the application so marked by the omission of parts.

④ When entering a cabinet thru a standard knockout or sliphole a neoprene gasket can be provided.

Armored/Metal Clad Cable Connectors

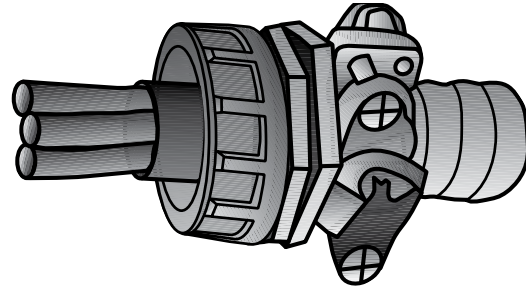
For Non-Jacketed Metal Clad Cable

Type PK - Malleable Iron

For Non-Jacketed Metal Clad Cable such as interlocked armor, corrugated metal sheath, smooth aluminum sheath and similar types. Non-watertight for dry locations.

Applications

- Use with any type of metal clad cable to terminate and ground the armor and secure the cable where it enters a cabinet (max. 1/4" thick), through a standard knockout, slip-hole or D and T entrance. These terminators accommodate a wide range of cable armor diameters in a given fitting by simply inserting fibre rings to provide armor stops having smaller diameters. An armor clamp having clamping pieces on each side allows the cable to be centered in the fitting and provides full contact with the armor to insure a positive ground. The armor clamp on the 1-1/4" through 5" trade sizes consists of two clamping pieces (one on each side) as shown in illustration. The 3/4", 1" and 6" trade sizes have one clamping piece located on one side only.



Type PK

Standard Materials

- Type PK - malleable iron

Standard Finishes

- Type PK - zinc electroplated

Options

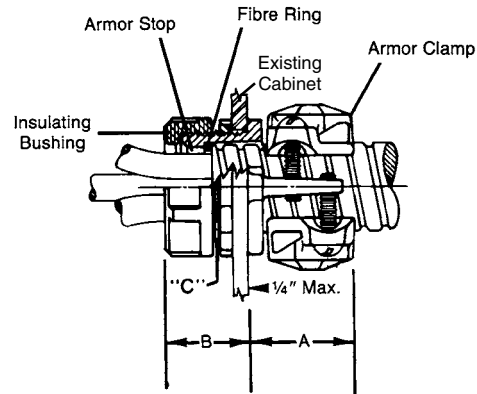
- Furnished complete with phenolic insulating Bushing, electroplated steel screws and plated steel or malleable iron locknut.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed E-36853
- CSA Standard: C22.2 No.18
- CSA Certified: 15553

Note:

The above terminators in the 1-1/4" through 6" sizes can be furnished with Lay-In-Lug™ grounding wire connectors.



| Trade Size (Inches) | Malleable Cable Range Dia Over Armor | | Dimensions in Millimeters (Inches) | | | Iron Catalog Number |
|------------------------|--|---------------|------------------------------------|--------------|---------------|---------------------------|
| | Min. | Max. | A | B | Max. Dia. | |
| C | | | | | | |
| 3/4 | 11.43 (0.45) | 15.75 (0.62) | 25.4 (1) | 25.4 (1) | 38.1 (1.5) | PK-75 |
| 3/4 | 16 (0.63) | 20.32 (0.8) | 25.4 (1) | 25.4 (1) | 41.4 (1.63) | PK-751 |
| 1 | 16 (0.63) | 20.32 (0.8) | 31.75 (1.25) | 28.7 (1.13) | 44.45 (1.75) | PK-100 |
| 1 | 20.57 (0.81) | 24.38 (0.96) | 31.75 (1.25) | 28.7 (1.13) | 54.1 (2.13) | PK-101 |
| 1-1/4 | 20.57 (0.81) | 34.04 (1.34) | 39.62 (1.56) | 31.75 (1.25) | 63.5 (2.5) | PK-125 |
| 1-1/2 | 30.23 (1.19) | 39.62 (1.56) | 41.4 (1.63) | 31.75 (1.25) | 69.85 (2.75) | PK-150 |
| 2 | 34.29 (1.35) | 50.8 (2) | 42.93 (1.69) | 33.27 (1.31) | 85.85 (3.38) | PK-200 |
| 2-1/2 | 45.47 (1.79) | 60.96 (2.4) | 50.8 (2) | 39.62 (1.56) | 98.55 (3.88) | PK-250 |
| 3 | 56.13 (2.21) | 75.69 (2.98) | 52.32 (2.06) | 42.93 (1.69) | 117.6 (4.63) | PK-300 |
| 3-1/2 | 70.87 (2.79) | 87.38 (3.44) | 54.1 (2.13) | 44.45 (1.75) | 130.3 (5.13) | PK-350 |
| 4 | 81.53 (3.21) | 99.31 (3.91) | 55.63 (2.19) | 45.97 (1.81) | 143 (5.63) | PK-400 |
| 5 | 99.57 (3.92) | 122.94 (4.84) | 58.67 (2.31) | 54.1 (2.13) | 171.45 (6.75) | PK-500 |
| 6 | 138.94 (5.47) | 145.03 (5.71) | 69.85 (2.75) | 57.15 (2.25) | 209.55 (8.25) | PK-600 ① |

① Not certified by CSA.

Armored/Metal Clad Cable Connectors

For Jacketed Metal Clad Cable

Applications

- Use with jacketed armored cable.
- To terminate and ground the armor, and to secure and seal cable entrance into a cabinet or terminal box through a standard knockout, slip-hole or DandT entrance.

Features

- Suitable for wet locations
- Gland type (with grounding sleeve and set-screws)

Standard Materials

- Type PG - malleable or ductile iron.
- They are supplied with electro-plated grounding screws and pressure ring.
- They are available with stainless steel grounding screws and pressure ring. Contact your local representative for price and availability.

Standard Finishes

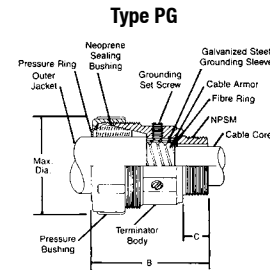
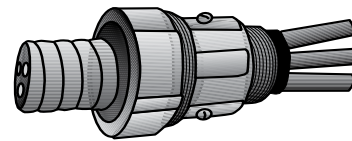
- Fittings - zinc plated

Options

- All fittings can be supplied with neoprene gasket, locknut and insulating bushing. (Add Suffix "LGB".) Contact your local representative for price and availability.

NEC/CEC Certifications and Compliances

- UL Standard: ANSI/UL 514B
- UL Listed: E-36853
- CSA Standard: C22.2 No.18
- CSA Certified: 15553
- Suitable for wet locations
- Fed. Spec: W-F-406B



| Size (Inches) | Malleable Iron Catalog Number | Copper-Free Aluminum Catalog Number | Cable Range Dia. Over Jacket | | Dimensions in Millimeters (Inches) | | | |
|---------------|-------------------------------|-------------------------------------|------------------------------|---------------|------------------------------------|---------------|--------------|--------------------|
| | | | Min. | Max. | Max Dia. | B Approx. | C | Dia. of Cable Core |
| 1/2 | PG-57-05 | PG-57-05A | 12.19 (0.48) | 14.48 (0.57) | 39.62 (1.56) | 63.5 (2.5) | 14.22 (0.56) | 7.87 (0.31) |
| 1/2 | PG-66-05 | PG-66-05A | 14.48 (0.57) | 16.76 (0.66) | 39.62 (1.56) | 63.5 (2.5) | 14.22 (0.56) | 10.16 (0.4) |
| 1/2 | PG-78-05 | PG-78-05A | 16.26 (0.64) | 19.81 (0.78) | 39.62 (1.56) | 63.5 (2.5) | 14.22 (0.56) | 12.95 (0.51) |
| 1/2 | PG-89-05 | PG-89-05A | 19.05 (0.75) | 22.61 (0.89) | 39.62 (1.56) | 63.5 (2.5) | 14.22 (0.56) | 15.49 (0.61) |
| 1/2 | PG-98-05 | PG-98-05A | 21.59 (0.85) | 24.89 (0.98) | 39.62 (1.56) | 63.5 (2.5) | 14.22 (0.56) | 15.49 (0.61) |
| 3/4 | PG-89-07 | PG-89-07A | 19.05 (0.75) | 22.61 (0.89) | 49.28 (1.94) | 66.8 (2.63) | 14.22 (0.56) | 15.49 (0.61) |
| 3/4 | PG-98-07 | PG-98-07A | 21.59 (0.85) | 24.89 (0.98) | 49.28 (1.94) | 66.8 (2.63) | 14.22 (0.56) | 18.29 (0.72) |
| 3/4 | PG-107-07 | PG-107-07A | 22.35 (0.88) | 27.18 (1.07) | 49.28 (1.94) | 66.8 (2.63) | 14.22 (0.56) | 19.56 (0.77) |
| 3/4 | PG-121-07 | PG-121-07A | 26.16 (1.03) | 30.73 (1.21) | 49.28 (1.94) | 66.8 (2.63) | 14.22 (0.56) | 21.59 (0.85) |
| 1 | PG-107-10 | PG-107-10A | 22.35 (0.88) | 27.18 (1.07) | 58.67 (2.31) | 77.72 (3.06) | 17.53 (0.69) | 19.05 (0.75) |
| 1 | PG-121-10 | PG-121-10A | 26.16 (1.03) | 30.73 (1.21) | 58.67 (2.31) | 77.72 (3.06) | 17.53 (0.69) | 23.11 (0.91) |
| 1 | PG-138-10 | PG-138-10A | 29.97 (1.18) | 35.05 (1.38) | 58.67 (2.31) | 77.72 (3.06) | 17.53 (0.69) | 26.42 (1.04) |
| 1-1/4 | PG-138-12 | PG-138-12A | 29.97 (1.18) | 35.05 (1.38) | 71.37 (2.81) | 85.85 (3.38) | 17.53 (0.69) | 26.42 (1.04) |
| 1-1/4 | PG-163-12 | PG-163-12A | 34.54 (1.36) | 41.4 (1.63) | 71.37 (2.81) | 85.85 (3.38) | 17.53 (0.69) | 31.5 (1.24) |
| 1-1/4 | PG-188-12 | PG-188-12A | 41.15 (1.62) | 47.75 (1.88) | 71.37 (2.81) | 85.85 (3.38) | 17.53 (0.69) | 36.07 (1.42) |
| 1-1/2 | PG-200-15 | PG-200-15A | 43.94 (1.73) | 50.8 (2) | 79.5 (3.13) | 101.6 (4) | 19.05 (0.75) | 40.89 (1.61) |
| 1-1/2 | PG-219-15 | PG-219-15A | 49.02 (1.93) | 55.63 (2.19) | 79.5 (3.13) | 101.6 (4) | 19.05 (0.75) | 40.89 (1.61) |
| 2 | PG-219-20 | PG-219-20A | 49.02 (1.93) | 55.63 (2.19) | 100.08 (3.94) | 109.47 (4.31) | 19.81 (0.78) | 45.47 (1.79) |
| 2 | PG-240-20 | PG-240-20A | 53.34 (2.1) | 60.96 (2.4) | 100.08 (3.94) | 109.47 (4.31) | 19.81 (0.78) | 49.78 (1.96) |
| 2 | PG-261-20 | PG-261-20A | 59.69 (2.35) | 66.29 (2.61) | 100.08 (3.94) | 109.47 (4.31) | 19.81 (0.78) | 53.09 (2.09) |
| 2 | PG-275-20 | PG-275-20A | 63.5 (2.5) | 69.85 (2.75) | 100.08 (3.94) | 109.47 (4.31) | 19.81 (0.78) | 53.09 (2.09) |
| 2-1/2 | PG-263-25 | PG-263-25A | 60.2 (2.37) | 66.8 (2.63) | 117.6 (4.63) | 133.35 (5.25) | 30.23 (1.19) | 50.55 (1.99) |
| 2-1/2 | PG-283-25 | PG-283-25A | 65.02 (2.56) | 71.88 (2.83) | 117.6 (4.63) | 133.35 (5.25) | 30.23 (1.19) | 61.72 (2.43) |
| 2-1/2 | PG-300-25 | PG-300-25A | 69.34 (2.73) | 76.2 (3) | 117.6 (4.63) | 133.35 (5.25) | 30.23 (1.19) | 61.72 (2.43) |
| 2-1/2 | PG-322-25 | PG-322-25A | 75.44 (2.97) | 81.79 (3.22) | 117.6 (4.63) | 133.35 (5.25) | 30.23 (1.19) | 63.25 (2.49) |
| 3 | PG-300-30 | PG-300-30A | 69.34 (2.73) | 76.2 (3) | 131.83 (5.19) | 136.65 (5.38) | 31.75 (1.25) | 61.72 (2.43) |
| 3 | PG-322-30 | PG-322-30A | 74.68 (2.94) | 81.79 (3.22) | 131.83 (5.19) | 136.65 (5.38) | 31.75 (1.25) | 63.25 (2.49) |
| 3 | PG-347-30 | PG-347-30A | 81.28 (3.2) | 88.14 (3.47) | 131.83 (5.19) | 136.65 (5.38) | 31.75 (1.25) | 77.47 (3.05) |
| 3 | PG-363-30 | PG-363-30A | 85.6 (3.37) | 92.2 (3.63) | 131.83 (5.19) | 136.65 (5.38) | 31.75 (1.25) | 77.47 (3.05) |
| 3-1/2 | PG-363-35 | PG-363-35A | 85.6 (3.37) | 92.2 (3.63) | 149.35 (5.88) | 141.22 (5.56) | 31.75 (1.25) | 81.03 (3.19) |
| 3-1/2 | PG-388-35 | PG-388-35A | 91.19 (3.59) | 98.55 (3.88) | 149.35 (5.88) | 141.22 (5.56) | 31.75 (1.25) | 86.11 (3.39) |
| 3-1/2 | PG-410-35 | PG-410-35A | 97.03 (3.82) | 104.14 (4.1) | 149.35 (5.88) | 141.22 (5.56) | 31.75 (1.25) | 90.17 (3.55) |
| 4 | PG-410-40 | PG-410-40A | 96.52 (3.8) | 104.14 (4.1) | 162.05 (6.38) | 143 (5.63) | 33.27 (1.31) | 91.19 (3.59) |
| 4 | PG-428-40 | PG-428-40A | 101.6 (4) | 108.71 (4.28) | 162.05 (6.38) | 143 (5.63) | 33.27 (1.31) | 96.27 (3.79) |
| 4 | PG-447-40 | PG-447-40A | 106.68 (4.2) | 113.54 (4.47) | 162.05 (6.38) | 143 (5.63) | 33.27 (1.31) | 101.35 (3.99) |
| 4 | PG-465-40 | PG-465-40A | 111.76 (4.4) | 118.11 (4.65) | 162.05 (6.38) | 143 (5.63) | 33.27 (1.31) | 104.39 (4.11) |

BPK Cable Mounting Bracket

For use with Armored/Metal Clad Cable Terminators

Applications

- To mount terminators in switchgear, controller cabinets or on walls and structures.
- Also used for cable risers on utility poles.

Standard Materials

- Cast aluminum brackets
- Mounting bolts are not furnished

Standard Finishes

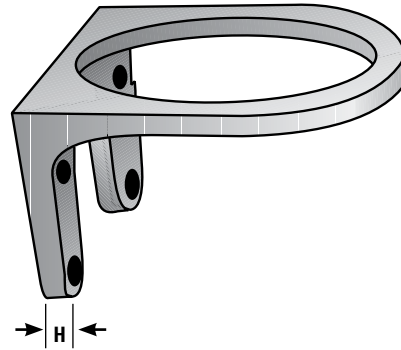
- Fittings - zinc plated

Options

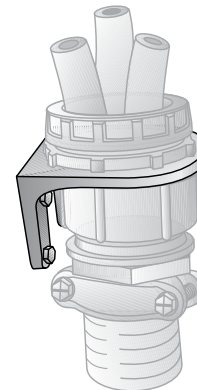
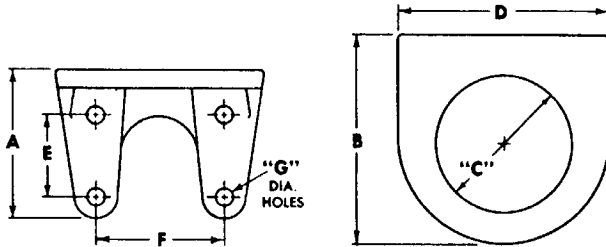
- All fittings can be supplied with neoprene gasket, locknut and insulating bushing. (Add Suffix "LGB".) Contact your local representative for price and availability.

NEC/CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18
- CSA Certified: 15553



Type BPK



Type BPK Application

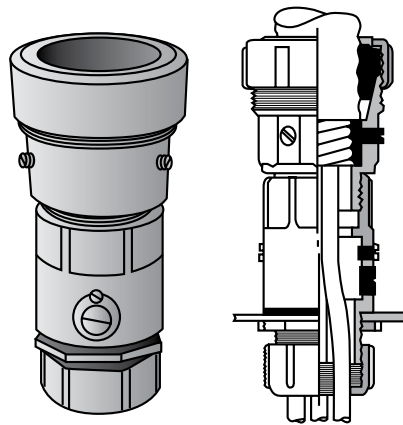
| Dimensions in Millimeters (Inches) | | | | | | | | |
|------------------------------------|---------------|---------------|---------------|--------------|---------------|--------------------|-------------|-------------------|
| C Trade Size (Inches) | A | B | D | E | F | G Dia. Holes | H | Catalog Number |
| 4 | 98.55 (3.88) | 168.4 (6.63) | 165.1 (6.5) | 63.5 (2.5) | 120.65 (4.75) | 9.65 (0.38) | 9.65 (0.38) | BPK-40 |
| 4-1/2 | 107.95 (4.25) | 184.15 (7.25) | 181.1 (7.13) | 69.85 (2.75) | 133.35 (5.25) | 11.18 (0.44) | 9.65 (0.38) | BPK-45 |
| 5 | 114.3 (4.5) | 203.2 (8) | 196.85 (7.75) | 76.2 (3) | 146.05 (5.75) | 11.18 (0.44) | 9.65 (0.38) | BPK-50 |

Other Fittings Available

For Special Requirements









-
- In this catalog we have shown our more popular fittings which will meet the requirements of most applications.
 - Special space requirements, special material requirements, special field conditions, special cable construction, etc. may require the use of fittings other than those cataloged.
 - O-Z/Gedney has always been interested in helping our customers solve their difficult application problems and have in our engineering files many specially engineered fitting designs to solve most field problems encouraged to date.
 - On this page we have shown a few such fittings. If, in reviewing our catalog, you do not see a fitting that meets your special terminating, sealing or splice application, let your representative know of your requirements.

SF4830



A compound sealed terminator to secure, seal and trifurcate a vertical or horizontal jacketed armored cable entering an enclosure. Also available for cable entering a conduit system.

Cast Iron Junction Boxes

| | Enclosure Style | Type 1 Type 5 | Type 2 | Type 3 Type 3R Type 3S | Type 4 | Type 6 | Type 12 Type 12K Type 13 |
|---|------------------------|------------------|--------|------------------------------|--------|--------|--------------------------------|
|  | YS Surface Mounted | ✓ | ✓ | ✓ | ✓ | | ✓ |
|  | YL Surface Mounted | ✓ | ✓ | ✓ | ✓ | | ✓ |
|  | YF Surface Mounted | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
|  | YW Surface Mounted | ✓ | ✓ | ✓ | ✓ | | ✓ |
|  | YR Flush Mounted | ✓ | ✓ | ✓ | ✓ | | ✓ |
|  | YU Flush Mounted | ✓ | ✓ | ✓ | | | ✓ |
|  | YT Sidewalk Boxes | ✓ | ✓ | ✓ | ✓ | | ✓ |
|  | Y58E Sidewalk Boxes | ✓ | ✓ | | | | |

Introduction to Cast Iron Junction Boxes

I. Purpose of Enclosure

Enclosures are used to protect personnel against accidental contact with enclosed electrical devices or connections and to protect the enclosed devices or connections against specified external conditions. They also serve as intermediate pulling and splicing points in a conduit system.

II. Design of Enclosures

Enclosures are offered in different designs and construction to permit their use in various locations and areas. These are as follows:

Non-hazardous Locations:

- 1.** Weatherproof boxes are so constructed as to be suitable for use outdoors under normal conditions. If it is necessary to prevent the entry of water under extreme conditions of weather, boxes listed as watertight or raintight are recommended.
- 2.** Raintight boxes are so constructed as to exclude a beating rain. All boxes in this catalog which are designated as raintight have been so listed by Underwriters Laboratories, Inc. — and CSA.
- 3.** Watertight boxes (NEMA Type 4) are constructed to meet the requirements listed under "NEMA DATA."
- 4.** Submersible Boxes are so constructed that they will exclude water when submerged under specified conditions of pressure and time.
- 5.** Dust-Tight Boxes are so constructed to meet the requirements listed under "NEMA DATA".

Hazardous Locations:

Consult the Enclosures and Junction Boxes section for our complete offering.

III. Advantages of Cast Enclosures

Cast metal enclosures have the advantage over formed (fabricated) sheet metal enclosures for the following reasons:

- A.** They are of one piece construction and do not have the disadvantages of spot welded seams usually found in formed sheet metal boxes.
- B.** They have greater mechanical strength, have thicker walls and are suitable for drilling and tapping at the factory or in the field.
- C.** They are corrosion resistant and can withstand more mechanical abuse.

IV. Cast Metals

CAST IRON BOXES will provide long life, are inherently corrosion resistant and have the lowest initial cost.

V. Finishes on Cast Enclosures

CAST IRON - The hot-dip galvanized finish which is applied to all our cast iron boxes will conform to ASTM Designation A153-73, Class A and NEMA requirements for rust-resistance.

VI. Hardware Used on Cast Enclosures

CAST IRON BOXES are furnished with Stainless Steel screws.

VII. Specification of Extras on Cast Enclosures

The type of holes to be provided for the entrance of conduit into the enclosure are defined under "Instructions for Ordering Boxes."

VIII. Specification of Extras on Cast Enclosures

The "Standard Construction" of each type of enclosure is shown on each listing. The extras which are available and must be specified are shown under "Additional Cost Items."

Cast Iron Junction Boxes — NEMA Data

Our cast junction boxes are designed, constructed and tested to comply with NEMA standards. The following chart has been prepared to provide a quick reference for selecting enclosures to meet specific NEMA requirements.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows. Please refer to the appropriate sections of NEMA Standards Publication No. 250-2014. Enclosures for Electrical Equipment (1000 Volts Maximum) for complete information regarding applications, features and design tests.

Definitions Pertaining to Non-hazardous Locations

- **Type 1** enclosures are intended for use primarily to provide a degree of protection against contact with the enclosed equipment.
- **Type 2** enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling water.
- **Type 3** Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.
- **Type 3R** enclosures are intended for outdoor use primarily to provide a degree of protection against falling rain, sleet, and external ice formation.
- **Type 3S** enclosures are intended for outdoor use primarily to provide a degree of protection against windblown dust, rain, sleet, and provide for operation of external mechanisms when ice laden.
- **Type 4** enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose-directed water.
- **Type 5** enclosures are intended for indoor use primarily to provide a degree of protection against dust and falling dirt.
- **Type 6** enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth. (30 min. @ 6 ft.)
- **Type 6P** enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against the entry of water during prolonged submersion at a limited depth. (24 hrs. @ 6ft.)
- **Type 12** enclosures are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids.
- **Type 12K** enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids other than at knockouts.
- **Type 13** enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.

Definitions Pertaining to Hazardous (Classified) Locations

- **Type 7** enclosures are for use indoors in locations classified as Class I, Groups A, B, C, or D, as defined in the National Electrical Code. See Enclosures and Junction Boxes section.
- **Type 9** enclosures are for use in indoor locations classified in Class II, Groups E, F, or G, as defined in the National Electrical Code. Enclosures and Junction Boxes section.

| Type of Enclosure | Type 1 Type 5 | Type 2 | Type 3 Type 3R Type 3S | Type 4 | Type 6 | Type 12 Type 12K Type 13 |
|-------------------|------------------|--------|------------------------------|--------|--------|--------------------------------|
| YS | ✓ | ✓ | ✓ | ✓ | | ✓ |
| YL | ✓ | ✓ | ✓ | ✓ | | ✓ |
| YF | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| YW | ✓ | ✓ | ✓ | ✓ | | ✓ |
| YR | ✓ | ✓ | ✓ | ✓ | | ✓ |
| YU | ✓ | ✓ | ✓ | | | ✓ |
| YT | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Y58E | ✓ | ✓ | | | | |

Y Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

The following information should be given on all box orders:

Catalog Number and Inside Dimensions
(L x W x D) should be specified

Sketch showing size and location of conduit entrances should be furnished similar to Drilling Template, Fig. 2. Tables give recommended spacing between conduits and minimum distance from corner and back of box. When spacings are not specified, they will be located at our discretion.

Type of Conduit Entrances (see Fig. 1, below) should be specified as follows:

1. Slip-Hole (SH) - conduit clearance hole.
2. Drilled and Tapped hole (DT).
3. Bossed, Drilled and Tapped hole to provide greater thread engagement (BDT).
4. Boss only (BWH) - for Drilling and Tapping in field. Specify conduit size.

Mounting Lugs (See Fig. 1 below) are provided on all surface mounted boxes. Boxes up to 12" x 6" have 2 mounting lugs. Larger boxes have 4 mounting lugs. All mounting lugs will be located on the long sides of the box, unless otherwise specified. Refer to Y-Series Cast Box Mounting Lug data for dimensional information.

Conduit Entrances:

Slip Holes: These are clearance holes for conduit. No threads are provided. Conduits are usually fastened in slip holes by means of locknuts and bushings. *STANDARD LOCKNUT SPACINGS MUST BE ALLOWED BETWEEN THE CONDUITS.*

Drilled and Tapped Holes are threaded holes provided in the enclosure wall into which the conduit is screwed. To meet UL requirements, they must conform to the following:

1* Enclosures for use in Non-hazardous Locations must have a wall thickness of not less than 1/4" at the tapped holes for the conduit and there shall be not less than 3-1/2 threads in the metal.

* Compare the wall thickness shown in the catalog page for these enclosures with the chart below to determine the number of threads which the box wall will provide for the various conduit sizes. If more threads are required, please specify a Bossed, Drilled and Tapped hole, type BDT.

Bossed, Drilled and Tapped Holes

are holes threaded thru the box wall and a boss (or pad) which has been added at the location of the conduit entrance to provide added wall thickness for 5 threads of engagement.

| Conduit Size | No. of Threads Per Inch | Wall Inches Required in Millimeters (Inches) | |
|--------------|-------------------------|--|-------------|
| | | 3-1/2 Threads | 5 Threads |
| 1/2 - 3/4 | 14 | 6.35 (0.25) | 0.17 (0.38) |
| 1 - 2 | 11-1/2 | 0.14 (0.31) | 0.2 (0.44) |
| 2-1/2 - 6 | 8 | 0.2 (0.44) | 0.29 (0.63) |

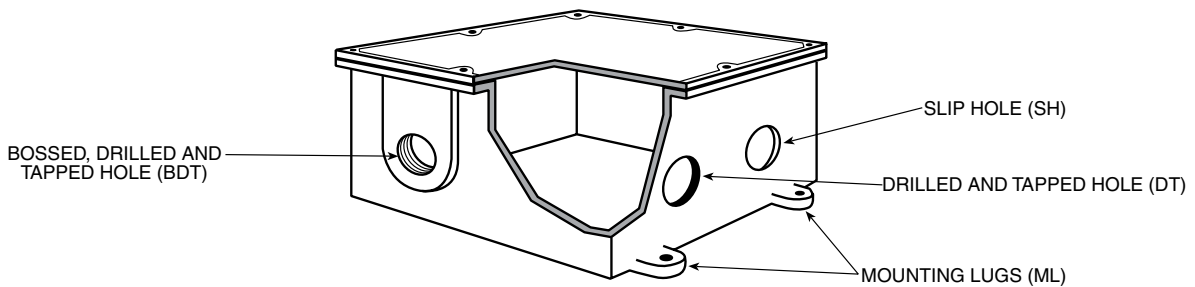


Fig. 1

Y Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

Drilling Template

- View looking into box – sides laid down.
- Dimensions are always understood to be Inside Measurements unless otherwise specified.
- See Drilling Template for Junction Boxes, for copier reproduction or computer scanning.

All boxes of the Type YS, YL, YW, and YT have a post in each corner and allowance must be made for them, when conduit entrances are to be located close to a corner. Dimension "A" in the table below is the minimum distance allowable from the sidewall of these boxes to the centerline of the conduit entrance, which provides the proper clearance between a locknut and the post. The "B" dimension will provide the proper clearance between a locknut or bushing and the sidewall of all other types of boxes and between a locknut or bushing and the backs of all boxes, including Types YS, YL, YW, and YT.

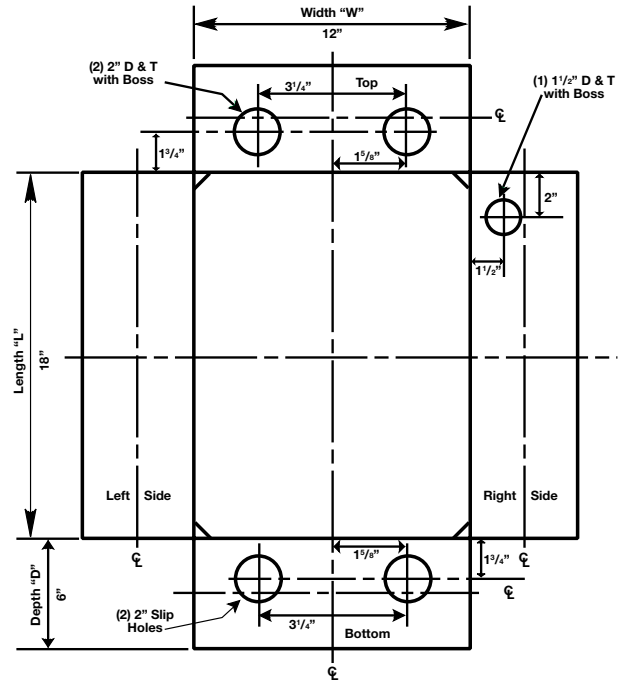
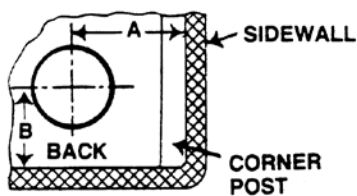


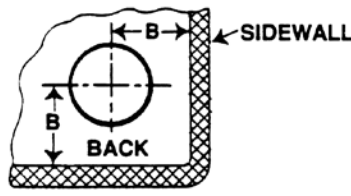
Figure 2

Minimum Allowable Spacing from Back and Sides

Allowance made for clearance over locknuts and bushings.



Types YS, YL, YW, and YT



Types YF, YR, YU

| Conduit Size | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3-1/2" | 4" | 5" | 6" |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| Dimension A mm (in) | 31.8 (1.25) | 35.1 (1.38) | 41.4 (1.63) | 47.8 (1.88) | 50.8 (2.00) | 60.5 (2.38) | 66.8 (2.63) | 76.2 (3.00) | 82.6 (3.25) | 92.2 (3.63) | 107.95 (4.25) | 123.95 (4.88) |
| Dimension B mm (in) | 25.4 (1.00) | 25.4 (1.00) | 28.7 (1.13) | 35.1 (1.38) | 38.1 (1.50) | 44.5 (1.75) | 54.1 (2.13) | 63.5 (2.50) | 73.2 (2.88) | 79.5 (3.13) | 95.25 (3.75) | 111.25 (4.38) |

Y Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

Minimum Recommended Spacing Between Conduit Openings

Allowance made for clearance over locknuts and bushings.

When unions are used, additional space must be allowed. Table shows minimum distances between conduit opening centerlines in various size combinations. For example, if 1-1/2" and 3/4" openings are to be drilled and tapped into one side of box, the minimum spacing between centerlines would be 54.1 mm (2.13").

Space Between Centers of Conduit Millimeters (Inches)

| Size of Conduit | Minimum Space Between Centers of Conduits ① | | | | | | | | | | | |
|-----------------|---|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|
| | 6 | 5 | 4 | 3-1/2 | 3 | 2-1/2 | 2 | 1-1/2 | 1-1/4 | 1 | 3/4 | 1/2 |
| 1/2 | 127 (5) | 111.25 (4.38) | 92.2 (3.63) | 85.85 (3.38) | 76.2 (3) | 66.8 (2.63) | 60.45 (2.38) | 50.8 (2) | 47.75 (1.88) | 44.45 (1.75) | 41.4 (1.63) | 38.1 (1.5) |
| 3/4 | 130.3 (5.13) | 114.3 (4.5) | 95.25 (3.75) | 88.9 (3.5) | 79.5 (3.13) | 69.85 (2.75) | 63.5 (2.5) | 54.1 (2.13) | 50.8 (2) | 47.75 (1.88) | 44.45 (1.75) | |
| 1 | 133.35 (5.25) | 117.6 (4.63) | 101.6 (4) | 92.2 (3.63) | 82.55 (3.25) | 76.2 (3) | 66.8 (2.63) | 60.45 (2.38) | 57.15 (2.25) | 50.8 (2) | | |
| 1-1/4 | 139.7 (5.5) | 123.95 (4.88) | 104.9 (4.13) | 98.55 (3.88) | 88.9 (3.5) | 79.5 (3.13) | 73.15 (2.88) | 63.5 (2.5) | 60.45 (2.38) | | | |
| 1-1/2 | 136.65 (5.38) | 127 (5) | 107.95 (4.25) | 101.6 (4) | 92.2 (3.63) | 82.55 (3.25) | 76.2 (3) | 66.8 (2.63) | | | | |
| 2 | 152.4 (6) | 136.65 (5.38) | 117.6 (4.63) | 107.95 (4.25) | 98.55 (3.88) | 92.2 (3.63) | 82.55 (3.25) | | | | | |
| 2-1/2 | 158.75 (6.25) | 143 (5.63) | 123.95 (4.88) | 117.6 (4.63) | 107.95 (4.25) | 98.55 (3.88) | | | | | | |
| 3 | 168.4 (6.63) | 152.4 (6) | 136.65 (5.38) | 127 (5) | 117.6 (4.63) | | | | | | | |
| 3-1/2 | 177.8 (7) | 158.75 (6.25) | 143 (5.63) | 133.35 (5.25) | | | | | | | | |
| 4 | 184.15 (7.25) | 168.4 (6.63) | 149.35 (5.88) | | | | | | | | | |
| 5 | 203.2 (8) | 184.15 (7.25) | | | | | | | | | | |
| 6 | 219.2 (8.63) | | | | | | | | | | | |

① If Conduit Fittings are used additional spacing between conduits will be required. Determine spacings based on fittings being used.

Y Series Cast Junction Box Drilling Template

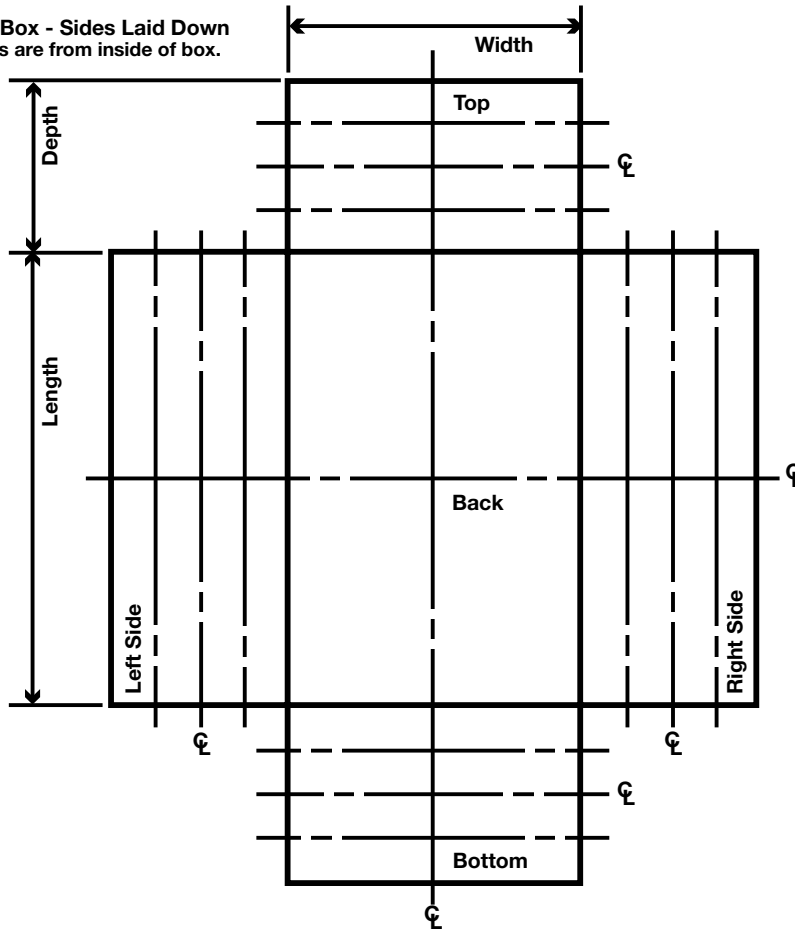
Boxes Available for Raintight, Watertight, or Submersible Applications

DRILLING TEMPLATE for JUNCTION BOXES

For copier reproduction or computer scanning. Please send to your local representative for quotation or order confirmation.

Distributor _____ P.O. No. _____
 End User _____ Date _____
 Req. No. _____ Mark Box _____

Looking Into Box - Sides Laid Down
 All dimensions are from inside of box.



Drilling Data

NOTE: If location of openings are not definitely dimensioned, they will be located at our discretion.

- Slip-hole Only Drilled and Tapped
 Drilled and Tapped with Boss Boss Only

Catalog No. _____
 Quantity _____

Mounting Lugs

NOTE: Mounting Lugs are provided on all surface-mount boxes.

Additional Specifications: _____

Dwg. No. _____

Company/Location _____

Signature _____

Print Name _____

Y Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

Additional Cost Items

The table below shows the additional cost items available on the different types of enclosures shown in this catalog. These cost items are shown in the tables on the adjacent page and when not furnished as standard equipment the cost must be added to the base price of the box.

Special Equipment Consult Factory for Prices and Availability

- Lettering on Covers can be furnished. These are engraved letters and can be applied to the cover of any type box.
- Submersibility Tests can be made on our Types YF within the limitations shown on Flat Flanged Boxes catalog page listing these enclosures.
- Certifications can be furnished if specific requirements are provided at time of order.

✓ – Available option at additional charge.

S – Furnished as standard equipment at no additional charge

NA – Not permitted on this type of enclosure by NEMA and Underwriters Laboratories, Inc. standards and specifications, or basic construction of box will not allow or require this item.

| ITEM Catalog Designation | Type of Enclosure | | | | | | | |
|--------------------------------|-------------------|----|----|----|----|----|----|------|
| | YS | YL | YF | YW | YU | YR | YT | Y58E |
| Slip Holes (SH) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | NA |
| Drill and Tap Holes (DT) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | NA |
| Bosses Only (BWH) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | NA |
| Drilled and Tapped Boss (BDT) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | NA |
| Mtg. Lugs (ML) | S | S | S | S | ✓ | ✓ | ✓ | NA |
| Mtg. Plates (YM) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | NA |
| Hinges (HNG) | NA | NA | NA | S | ✓ | NA | NA | NA |
| Drain and Breather (MDB) | ✓ | ✓ | ✓ | ✓ | ✓ | NA | NA | NA |

Y Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

Drilling and Tapping

Applies to: Types YS, YL, YF, YW, YT, YU, YR.

| Conduit Size Inches | Catalog Number | | | |
|---------------------|-------------------------|------------------------------|----------------------------------|--------------------------------|
| | Drilling Only Slip Hole | Drilling and Tapping No Boss | Boss Only 5 Threads without Hole | Boss for 4 Threads and Tapping |
| 1/2 | SH-50 | DT-50 | BWH-50 | BDT-50 |
| 3/4 | SH-75 | DT-75 | BWH-75 | BDT-75 |
| 1 | SH-100 | DT-100 | BWH-100 | BDT-100 |
| 1-1/4 | SH-125 | DT-125 | BWH-125 | BDT-125 |
| 1-1/2 | SH-150 | DT-150 | BWH-150 | BDT-150 |
| 2 | SH-200 | DT-200 | BWH-200 | BDT-200 |
| 2-1/2 | SH-250 | DT-250 | BWH-250 | BDT-250 |
| 3 | SH-300 | DT-300 | BWH-300 | BDT-300 |
| 3-1/2 | SH-350 | DT-350 | BWH-350 | BDT-350 |
| 4 | SH-400 | DT-400 | BWH-400 | BDT-400 |
| 4-1/2 | SH-450 | DT-450 | BWH-450 | BDT-450 |
| 5 | SH-500 | DT-500 | BWH-500 | BDT-500 |
| 6 | SH-600 | DT-600 | BWH-600 | BDT-600 |

Combination Drain and Breather Fittings

D and T and installation included.

| Size (Inches) | Catalog Number |
|---------------|----------------|
| 3/8 | MDB-38 |
| 1/2 | MDB-50 |

Grounding Kits

| Wire Capacity Al-Cu Tinned Copper | Catalog Number |
|-----------------------------------|----------------|
| #14-4 AWG | GK-04 |
| 8-1/0 AWG | GK-10 |
| 6 AWG-250kcmil | GK-25 |

Letters Engraved on Box Covers

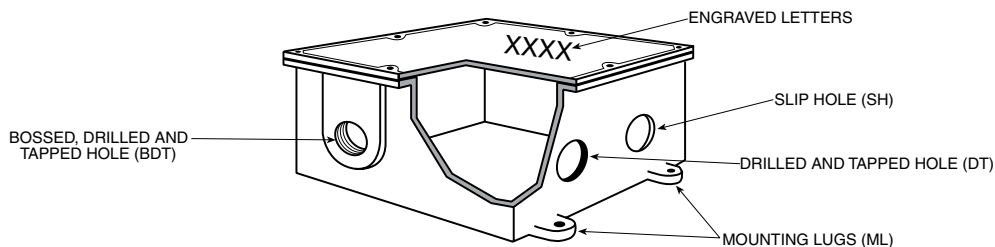
| Description | Catalog Number |
|-----------------------------|----------------|
| Up to 10 letters, one line | ENGRAVE-1 |
| Up to 20 letters, two lines | ENGRAVE-2 |

Optional Mounting Lugs with Bolt Holes (Mounting Lugs are standard equipment on surface mounted boxes)

| Maximum Box Size — L x W in mm (in) | No. of Lugs | Catalog Number |
|--|-------------|----------------|
| Sizes up to 152.4 x 101.6 (6 x 4) | 2 | 2-ML-0604 |
| | 4 | 4-ML-0604 |
| Sizes 152.4 x 152.4 up to 304.8 x 101.6 (6 x 6 to 12 x 4) | 2 | 2-ML-1204 |
| | 4 | 4-ML-1204 |
| Sizes 304.8 x 152.4 up to 457.2 x 406.4 (12 x 6 up to 18 x 16) | 2 | 2-ML-1816 |
| | 4 | 4-ML-1816 |
| Sizes 457.2 x 457.2 and larger (18 x 18 and larger) | 4 | 4-ML-3636 |

Hinges for YU Boxes

| Type | Box Size in Millimeters (Inches) | Number of Hinges Per Set | Catalog Number |
|-----------------|----------------------------------|--------------------------|----------------|
| Stainless Steel | Up to 304.8 x 304.8 (12 x 12) | 2 | HNG-22SS |



Y Series Junction Box Mounting Plate Information

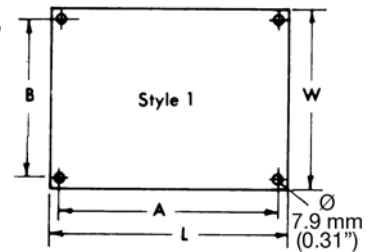
Boxes Available for Raintight, Watertight, or Submersible Applications

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 3.3 mm (0.13") thick hot dip galvanized material. Aluminum plates are 3.3 mm (0.13") thick material up to and including 304.8 x 304.8 mm (12 x 12") size. All larger sizes are constructed of 4.8 mm (0.19") thick aluminum plate.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the catalog number of the box as follows:

Example: Line 1 **YS-080804**
Line 2 **YM-0808-2**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **YF-040404** box would be **YM-0404-1**. Pricing will be based upon a **YM-0808-1** price.



The catalog numbers shown in the table below include the mounting buttons.

| Inside Length and Width of Junction Box in mm (in) | Style | Catalog Number – Steel Plates | | Catalog Number – Aluminum Plates | | Dimension in Millimeters (Inches) | | | |
|--|-------|---|---|---|---|-----------------------------------|------------------|------------------|------------------|
| | | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | L | W | A | B |
| 203.2 x 203.2 (8 x 8) | 1 | YM-0808-1 | | YM-0808-1A | | 171.5 (6.75) | 171.5 (6.75) | 152.4 (6.00) | 152.4 (6.00) |
| | | | YM-0808-2 | | YM-0808-2A | 152.4 (6.00) | 152.4 (6.00) | 133.4 (5.25) | 133.4 (5.25) |
| 254.0 x 203.2 (10 x 8) | 1 | YM-1008-1 | | YM-1008-1A | | 222.3 (8.75) | 171.5 (6.75) | 203.2 (8.00) | 203.2 (8.00) |
| | | | YM-1008-2 | | YM-1008-2A | 203.2 (8.00) | 152.4 (6.00) | 184.2 (7.25) | 133.4 (5.25) |
| 254.0 x 254.0 (10 x 10) | 1 | YM-1010-1 | | YM-1010-1A | | 222.3 (8.75) | 222.3 (8.75) | 203.2 (8.00) | 203.2 (8.00) |
| | | | YM-1010-2 | | YM-1010-2A | 203.2 (8.00) | 203.2 (8.00) | 184.2 (7.25) | 184.2 (7.25) |
| 304.8 x 203.2 (12 x 8) | 1 | YM-1208-1 | | YM-1208-1A | | 273.1 (10.75) | 171.5 (6.75) | 254.0 (10.00) | 152.4 (6.00) |
| | | | YM-1208-2 | | YM-1208-2A | 254.0 (10.00) | 152.4 (6.00) | 235.0 (9.25) | 133.4 (5.25) |
| 304.8 x 254.0 (12 x 10) | 1 | YM-1210-1 | | YM-1210-1A | | 273.1 (10.75) | 222.3 (8.75) | 254.0 (10.00) | 203.2 (8.00) |
| | | | YM-1210-2 | | YM-1210-2A | 254.0 (10.00) | 203.2 (8.00) | 235.0 (9.25) | 133.4 (5.25) |
| 304.8 x 304.8 (12 x 12) | 1 | YM-1212-1 | | YM-1212-1A | | 273.1 (10.75) | 273.1 (10.75) | 254.0 (10.00) | 254.0 (10.00) |
| | | | YM-1212-2 | | YM-1212-2A | 254.0 (10.00) | 254.0 (10.00) | 235.0 (9.25) | 235.0 (9.25) |
| 355.6 x 203.2 (14 x 8) | 1 | YM-1408-1 | | YM-1408-1A | | 323.9 (12.75) | 171.5 (6.75) | 304.8 (12.00) | 152.4 (6.00) |
| | | | YM-1408-2 | | YM-1408-2A | 304.8 (12.00) | 152.4 (6.00) | 285.5 (11.25) | 133.4 (5.25) |
| 355.6 x 355.6 (14 x 14) | 1 | YM-1414-1 | | YM-1414-1A | | 323.9 (12.75) | 323.9 (12.75) | 304.8 (12.00) | 304.8 (12.00) |
| | | | YM-1414-2 | | YM-1414-2A | 304.8 (12.00) | 304.8 (12.00) | 285.5 (11.25) | 285.5 (11.25) |
| 406.4 x 203.2 (16 x 8) | 1 | YM-1608-1 | | YM-1608-1A | | 374.7 (14.75) | 171.5 (6.75) | 355.6 (14.00) | 152.4 (6.00) |
| | | | YM-1608-2 | | YM-1608-2A | 304.8 (12.00) | 152.4 (6.00) | 285.5 (11.25) | 133.4 (5.25) |

Y Series Junction Box Mounting Plate Information

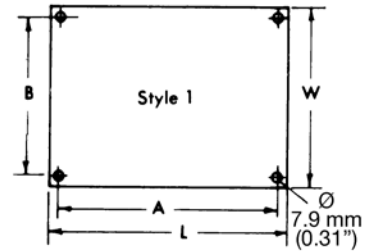
Boxes Available for Raintight, Watertight, or Submersible Applications

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 3.3 mm (0.13") thick hot dip galvanized material. Aluminum plates are 3.3 mm (0.13") thick material up to and including 304.8 x 304.8 mm (12 x 12") size. All larger sizes are constructed of 4.8 mm (0.19") thick aluminum plate.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the catalog number of the box as follows:

Example: Line 1 **YS-080804**
Line 2 **YM-0808-2**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **YF-040404** box would be **YM-0404-1**. Pricing will be based upon a **YM-0808-1** price.



The catalog numbers shown in the table below include the mounting buttons.

| Inside Length and Width of Junction Box in mm (in) | Style | Catalog Number – Steel Plates | | Catalog Number – Aluminum Plates | | Dimension in Millimeters (Inches) | | | |
|--|-------|---|---|---|---|-----------------------------------|------------------|------------------|------------------|
| | | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | L | W | A | B |
| 406.4 x 304.8 (16 x 12) | 1 | YM-1612-1 | | YM-1612-1A | | 374.7 (14.75) | 273.1 (10.75) | 355.6 (14.00) | 254.0 (10.00) |
| | | | YM-1612-2 | | YM-1612-2A | 355.6 (14.00) | 254.0 (10.00) | 336.6 (13.25) | 235.0 (9.25) |
| 406.4 x 406.4 (16 x 16) | 1 | YM-1616-1 | | YM-1616-1A | | 374.7 (14.75) | 374.7 (14.75) | 355.6 (14.00) | 355.6 (14.00) |
| | | | YM-1616-2 | | YM-1616-2A | 355.6 (14.00) | 355.6 (14.00) | 336.6 (13.25) | 336.6 (13.25) |
| 457.2 x 203.2 (18 x 8) | 1 | YM-1808-1 | | YM-1808-1A | | 171.5 (6.75) | 171.5 (6.75) | 152.4 (6.00) | 152.4 (6.00) |
| | | | YM-1808-2 | | YM-1808-2A | 152.4 (6.00) | 152.4 (6.00) | 133.4 (5.25) | 133.4 (5.25) |
| 457.2 x 254.0 (18 x 10) | 1 | YM-1810-1 | | YM-1810-1A | | 171.5 (6.75) | 222.3 (8.75) | 152.4 (6.00) | 203.2 (8.00) |
| | | | YM-1810-2 | | YM-1818-2A | 152.4 (6.00) | 203.2 (8.00) | 133.4 (5.25) | 184.2 (7.25) |
| 457.2 x 304.8 (18 x 12) | 1 | YM-1812-1 | | YM-1812-1A | | 171.5 (6.75) | 273.1 (10.75) | 152.4 (6.00) | 254.0 (10.00) |
| | | | YM-1812-2 | | YM-1812-2A | 152.4 (6.00) | 254.0 (10.00) | 133.4 (5.25) | 235.0 (9.25) |
| 457.2 x 355.6 (18 x 14) | 1 | YM-1814-1 | | YM-1814-1A | | 171.5 (6.75) | 323.9 (12.75) | 152.4 (6.00) | 304.8 (12.00) |
| | | | YM-1814-2 | | YM-1814-2A | 152.4 (6.00) | 304.8 (12.00) | 133.4 (5.25) | 285.5 (11.25) |
| 457.2 x 406.4 (18 x 16) | 1 | — | | — | | — | — | — | — |
| | | | YM-1816-2 | | YM-1816-2A | 152.4 (6.00) | 355.6 (14.00) | 133.4 (5.25) | 336.6 (13.25) |
| 457.2 x 457.2 (18 x 18) | 1 | YM-1818-1 | | YM-1818-1A | | 171.5 (6.75) | 171.5 (6.75) | 152.4 (6.00) | 152.4 (6.00) |
| | | | YM-1818-2 | | YM-1818-2A | 152.4 (6.00) | 152.4 (6.00) | 133.4 (5.25) | 133.4 (5.25) |
| 508.0 x 254.0 (20 x 10) | 1 | YM-2010-1 | | YM-2010-1A | | 222.3 (8.75) | 222.3 (8.75) | 203.2 (8.00) | 203.2 (8.00) |
| | | | YM-2020-2 | | YM-2020-2A | 203.2 (8.00) | 203.2 (8.00) | 184.2 (7.25) | 184.2 (7.25) |

Y Series Junction Box Mounting Plate Information

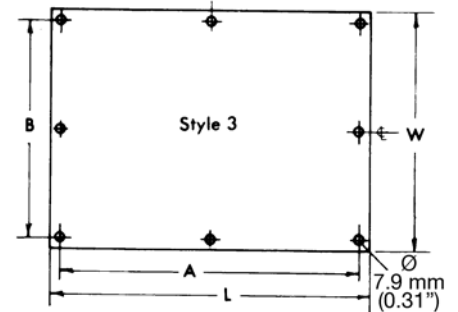
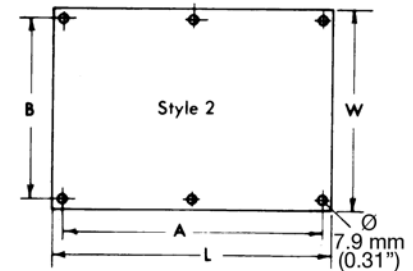
Boxes Available for Raintight, Watertight, or Submersible Applications

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 3.3 mm (0.13") thick hot dip galvanized material. Aluminum plates are 3.3 mm (0.13") thick material up to and including 304.8 x 304.8 mm (12 x 12") size. All larger sizes are constructed of 4.8 mm (0.19") thick aluminum plate.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the Catalog Number of the box as follows:

Example:
YS-080804 YM-0808-2

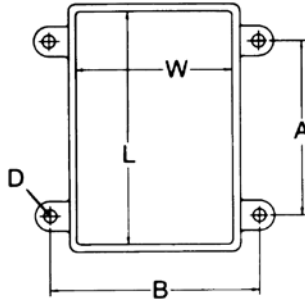
The catalog numbers shown in the table below include the mounting buttons.



| Inside Length and Width of Junction Box in mm (in) | Style | Catalog Number – Steel Plates | | Catalog Number – Aluminum Plates | | Dimension in Millimeters (Inches) | | | |
|--|-------|---|---|---|---|-----------------------------------|------------------|------------------|------------------|
| | | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | For use in Types YF and YR Junction Boxes | For use in Types YS, YL and YW Junction Boxes | L | W | A | B |
| 609.6 x 304.8 (24.00 x 12.00) | 2 | YM-2412-1 | YM-2412-1 | YM-2412-1A | YM-2412-1A | 552.5 (21.75) | 247.7 (9.75) | 533.4 (21.00) | 228.6 (9.00) |
| 609.6 x 457.2 (24.00 x 18.00) | 2 | YM-2418-1 | YM-2418-1 | YM-2418-1A | YM-2418-1A | 552.5 (21.75) | 400.1 (15.75) | 533.4 (21.00) | 381.0 (15.00) |
| 609.6 x 609.6 (24.00 x 24.00) | 3 | YM-2424-1 | YM-2424-1 | YM-2424-1A | YM-2424-1A | 552.5 (21.75) | 552.5 (21.75) | 533.4 (21.00) | 533.4 (21.00) |
| 711.2 x 304.8 (28.00 x 12.00) | 2 | YM-2812-1 | YM-2812-1 | YM-2812-1A | YM-2812-1A | 654.1 (25.75) | 247.7 (9.75) | 635.0 (25.00) | 228.6 (9.00) |
| 762.0 x 304.8 (30.00 x 12.00) | 2 | YM-3012-1 | YM-3012-1 | YM-3012-1A | YM-3012-1A | 704.9 (27.75) | 247.7 (9.75) | 685.8 (27.00) | 228.6 (9.00) |
| 762.0 x 457.2 (30.00 x 18.00) | 2 | YM-3018-1 | YM-3018-1 | YM-3018-1A | YM-3018-1A | 704.9 (27.75) | 400.1 (15.75) | 685.8 (27.00) | 381.0 (15.00) |
| 762.0 x 609.6 (30.00 x 24.00) | 3 | YM-3024-1 | YM-3024-1 | YM-3024-1A | YM-3024-1A | 704.9 (27.75) | 552.5 (21.75) | 685.8 (27.00) | 533.4 (21.00) |
| 914.4 x 304.8 (36.00 x 12.00) | 2 | YM-3612-1 | YM-3612-1 | YM-3612-1A | YM-3612-1A | 857.3 (33.75) | 247.7 (9.75) | 838.2 (33.00) | 228.6 (9.00) |
| 914.4 x 457.2 (36.00 x 18.00) | 2 | YM-3618-1 | YM-3618-1 | YM-3618-1A | YM-3618-1A | 857.3 (33.75) | 400.1 (15.75) | 838.2 (33.00) | 381.0 (15.00) |
| 914.4 x 609.6 (36.00 x 24.00) | 3 | YM-3624-1 | YM-3624-1 | YM-3624-1A | YM-3624-1A | 857.3 (33.75) | 552.5 (21.75) | 838.2 (33.00) | 533.4 (21.00) |
| 914.4 x 762.0 (36.00 x 30.00) | 3 | YM-3630-1 | YM-3630-1 | YM-3630-1A | YM-3630-1A | 857.3 (33.75) | 704.9 (27.75) | 838.2 (33.00) | 685.8 (27.00) |
| 914.4 x 914.4 (36.00 x 36.00) | 3 | YM-3636-1 | YM-3636-1 | YM-3636-1A | YM-3636-1A | 857.3 (33.75) | 857.3 (33.75) | 838.2 (33.00) | 838.2 (33.00) |

Y Series Cast Box Mounting Lug Data

Boxes Available for Raintight, Watertight, or Submersible Applications



The dimensions listed in these tables are approximate and may vary as much as 6.4 mm (0.25") in any direction.

Types YS, YL, YW, YU, and YV

| Box Size in mm (in) | | | Dimension in mm (in) | | Bolt Hole Diameter mm (in) |
|---------------------|---|---------------|----------------------|---------------|----------------------------|
| L | x | W | A | B | D |
| 101.6 (4.00) | x | 101.6 (4.00) | 76.2 (3.00) | 136.7 (5.38) | 7.9 (0.31) |
| 152.4 (6.00) | x | 152.4 (6.00) | 101.6 (4.00) | 193.8 (7.63) | 9.7 (0.38) |
| 203.2 (8.00) | x | 203.2 (8.00) | 127.0 (5.00) | 247.7 (9.75) | 9.7 (0.38) |
| 254.0 (10.00) | x | 254.0 (10.00) | 177.8 (7.00) | 298.5 (11.75) | 9.7 (0.38) |
| 304.8 (12.00) | x | 304.8 (12.00) | 203.2 (8.00) | 368.3 (14.50) | 11.2 (0.44) |

Types YS, YL, YW, YU, and YV

| Box Size in mm (in) | | | Dimension in mm (in) | | Bolt Hole Diameter in mm (in) |
|---------------------|---|---------------|----------------------|---------------|-------------------------------|
| L | x | W | A | B | D |
| 406.4 (16.00) | x | 304.8 (12.00) | 304.8 (12.00) | 368.3 (14.50) | 11.2 (0.44) |
| 457.2 (18.00) | x | 457.2 (18.00) | 330.2 (13.00) | 530.4 (20.88) | 14.2 (0.56) |
| 609.6 (24.00) | x | 457.2 (18.00) | 482.6 (19.00) | 527.1 (20.75) | 7.1 (0.28) |
| 609.6 (24.00) | x | 609.6 (24.00) | 482.6 (19.00) | 682.8 (26.88) | 14.2 (0.56) |
| 914.4 (36.00) | x | 609.6 (24.00) | 762.0 (30.00) | 682.8 (26.88) | 14.2 (0.56) |

Types YF and YR

| Box Size in mm (in) | | Dimension in mm (in) | | Bolt Hole Diameter in mm (in) |
|---------------------|---|----------------------|---------------|-------------------------------|
| L | x | W | A | D |
| 101.6 (4.00) | x | 101.6 (4.00) | 76.2 (3.00) | 7.9 (0.31) |
| 152.4 (6.00) | x | 101.6 (4.00) | 127.0 (5.00) | 7.9 (0.31) |
| 152.4 (6.00) | x | 152.4 (6.00) | 101.6 (4.00) | 9.7 (0.38) |
| 203.2 (8.00) | x | 203.2 (8.00) | 127.0 (5.00) | 9.7 (0.38) |
| 254.0 (10.00) | x | 254.0 (10.00) | 177.8 (7.00) | 9.7 (0.38) |
| 304.8 (12.00) | x | 203.2 (8.00) | 203.2 (8.00) | 11.2 (0.44) |
| 304.8 (12.00) | x | 304.8 (12.00) | 203.2 (8.00) | 11.2 (0.44) |
| 406.4 (16.00) | x | 304.8 (12.00) | 304.8 (12.00) | 11.2 (0.44) |
| 457.2 (18.00) | x | 304.8 (12.00) | 330.2 (13.00) | 11.2 (0.44) |
| 457.2 (18.00) | x | 457.2 (18.00) | 330.2 (13.00) | 14.2 (0.56) |
| 609.6 (24.00) | x | 457.2 (18.00) | 482.6 (19.00) | 14.2 (0.56) |
| 609.6 (24.00) | x | 609.6 (24.00) | 482.6 (19.00) | 14.2 (0.56) |

YS Type Unflanged Junction or Pull Boxes

Y Series: Raintight, Watertight, Dusttight

Cast Iron Box For Surface Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 4
- They are suitable for use indoors, outdoors, or where subject to rain, dripping or splashing water or hose-directed water.

Features

- Mounting lugs are standard.
- Type YS boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner.
- Neoprene gasket – between cover and box.
- Suitable for a variety of applications.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

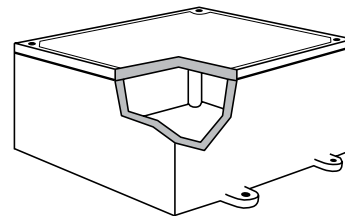
- Box and cover: hot dip galvanized

Options

- For additional options see *Ordering Information* pages.

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II, Division 1 and 2, and Class III



| L | Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|---------------------------|---------------|---|---------------|----------------|--------------------------------------|---------------------|
| | x | W | x | | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YS-040404 | |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YS-060604 | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YS-080804 | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YS-080806 | |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YS-101004 | |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YS-121208 | |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YS-161208 | |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 9.53 (0.3750) | YS-181210 | |
| 457.2 (18.00) | x | 457.2 (18.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YS-181806 | |
| 457.2 (18.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 11.11 (0.4375) | YS-181812 | |

① Measured 50.8 mm (2.00") up from back of box.

YL Type Unflanged Junction or Pull Boxes

Y Series: Raintight, Watertight, Dusttight

Cast Iron Box For Surface Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 4
- They are suitable for use indoors, outdoors, or where subject to rain, dripping or splashing water or hose-directed water.

Features

- Mounting lugs are standard.
- Type YL boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner.
- Neoprene gasket – between cover and box.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

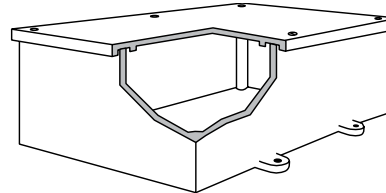
- Box and cover: hot dip galvanized

Options

- For additional options see Ordering Information pages.

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II Division 1 and 2, and Class III



| L | Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|---------------------------|---------------|---|---------------|----------------|--------------------------------------|---------------------|
| | x | W | x | | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YL-040404 | |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YL-060604 | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YL-080804 | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YL-080806 | |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YL-101004 | |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YL-121208 | |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YL-161208 | |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 9.53 (0.3750) | YL-181210 | |
| 457.2 (18.00) | x | 457.2 (18.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YL-181806 | |
| 457.2 (18.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 11.11 (0.4375) | YL-181812 | |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 11.11 (0.4375) | YL-242412 | |
| 914.4 (36.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 11.11 (0.4375) | YL-362412 | |

① Measured 50.8 mm (2.00") up from back of box.

YW Type Hinged Cover Boxes

Y Series: Watertight, Raintight, Dust Tight

Cast Iron Box for Surface Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 4
- They are suitable for use indoors, outdoors, or where subject to rain, dripping or splashing water or hose-directed water.
- These hinged cover boxes make ideal enclosures where equipment within the box has to be inspected frequently or easy access is required.
- The hinges are adjusted at the factory for proper gasket pressure, but can be readjusted in the field.

Features

- Mounting lugs are standard.
- Hinges are always located on the long side of the box and unless otherwise specified on the right side.
- Hinged cover for easy access to wiring for inspection and maintenance.
- Three-rivet anchoring of hinges and bolt/wing nut fasteners.
- Type YW Boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner.
- Neoprene gasket – between cover and box.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

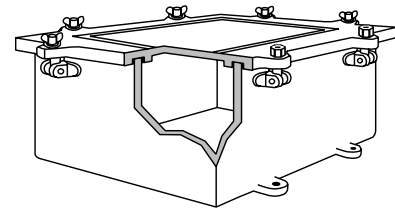
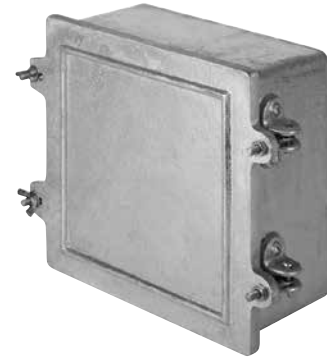
- Box and cover: hot dip galvanized

Options

- For additional options see *Ordering Information* pages.

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II Division 1 and 2, and Class III



| L | Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|---------------------------|---------------|---|--------------|---------------|--------------------------------------|---------------------|
| | x | W | x | | | | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YW-080806 | |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YW-121208 | |

① Measured 50.8 mm (2.00") up from back of box.

YF Type Flat Flanged Boxes

Y Series: Submersible ①, Watertight, Raintight, Dust Tight

Cast Iron Box for Surface Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 6, 6P, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 4.
- Submersible Type 6 – see options below.
- They are suitable for use indoors, outdoors, or where subject to rain, dripping or splashing water or hose-directed water.

Features

- Mounting lugs are standard.
- Wide flange provides greater contact between gasket cover and box.
- Neoprene gasket – between cover and box.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

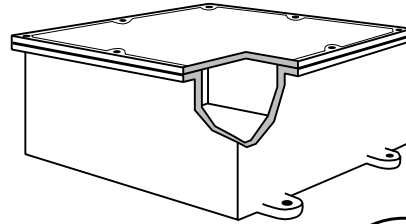
- Box and cover: hot dip galvanized

Options

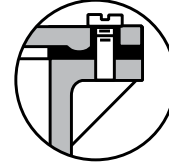
- For additional options see *Ordering Information* pages.
- Submersible Applications ①
 - These boxes can be tested to withstand occasional submersion under a 1.83 meter (6 foot) head of water for 30 minutes (NEMA 6 requirements). Add suffix **-SUB6** to standard catalog number.
 - These boxes can be tested to withstand Prolonged submersion under a 1.83 meter (6 foot) head of water for 24 hours (NEMA 6P requirements). Add suffix **-SUB6P** to standard catalog number.
 - These boxes can be tested to withstand submersion up to a 6.10 meter (20 foot) head of water. Add suffix **-SUB__** to standard catalog number, filling in the blank space with the number of **feet** from 7 up to 20, followed by **-P** if prolonged submersion is required.
- All YF-SUB enclosures are subject to a price addition on application and must have:
 1. Mounting lugs
 2. Bossed, drilled, and tapped conduit entrances (BDT series)

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E-24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II Division 1 and 2, and Class III



The ridge on the underside of the cover assures a good seal.



① Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water and the entry of water during submersion at a limited depth; and to be undamaged by the formation of ice on the enclosure.

YF Type Flat Flanged Boxes

Y Series: Submersible ①, Watertight, Raintight, Dust Tight

Cast Iron or Aluminum Box for Surface Mounting.

NEC/CEC:
NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 6, 6P, 12, 12K, 13

| Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ② mm (in) | Iron Catalog Number |
|---------------------------|---|---------------|---|---------------|--------------------------------------|---------------------|
| L | x | W | x | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-040404 |
| 152.4 (6.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060404 |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060604 |
| 203.2 (8.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-080806 |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-101004 |
| 304.8 (12.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-120804 |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-121206 |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YF-161208 |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 7.94 (0.3125) | YF-181210 |
| 457.2 (18.00) | | 457.2 (18.00) | | 254.0 (10.00) | 7.94 (0.3125) | YF-181810 |
| 609.6 (24.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 8.73 (0.3438) | YF-241812 |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 9.53 (0.3750) | YF-242412 |

| Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ② mm (in) | Iron Catalog Number |
|---------------------------|---|---------------|---|---------------|--------------------------------------|---------------------|
| L | x | W | x | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-040404-SUB6 |
| 152.4 (6.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060404-SUB6 |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060604-SUB6 |
| 203.2 (8.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-080806-SUB6 |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-101004-SUB6 |
| 304.8 (12.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-120804-SUB6 |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-121206-SUB6 |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YF-161208-SUB6 |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 7.94 (0.3125) | YF-181210-SUB6 |
| 457.2 (18.00) | | 457.2 (18.00) | | 254.0 (10.00) | 7.94 (0.3125) | YF-181810-SUB6 |
| 609.6 (24.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 8.73 (0.3438) | YF-241812-SUB6 |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 9.53 (0.3750) | YF-242412-SUB6 |

| Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ② mm (in) | Iron Catalog Number |
|---------------------------|---|---------------|---|---------------|--------------------------------------|---------------------|
| L | x | W | x | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-040404-SUB6P |
| 152.4 (6.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060404-SUB6P |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-060604-SUB6P |
| 203.2 (8.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-080806-SUB6P |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YF-101004-SUB6P |
| 304.8 (12.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YF-120804-SUB6P |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YF-121206-SUB6P |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YF-161208-SUB6P |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 7.94 (0.3125) | YF-181210-SUB6P |
| 457.2 (18.00) | | 457.2 (18.00) | | 254.0 (10.00) | 7.94 (0.3125) | YF-181810-SUB6P |
| 609.6 (24.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 8.73 (0.3438) | YF-241812-SUB6P |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 9.53 (0.3750) | YF-242412-SUB6P |

① Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water and the entry of water during submersion at a limited depth; and to be undamaged by the formation of ice on the enclosure.

② Measured 50.8 mm (2.00") up from back of box.

YR Outside Flanged Recessed Cover Boxes

Y Series: Watertight, Raintight, Dust Tight

Cast Iron Box for Flush Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 4, 5, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 4.
- They are suitable for use indoors, or where subject to rain, dripping or splashing water or hose-directed water.
- This type of box is designed especially for flush mounting in masonry in walls or floors or can be used for surface mounting using optional mounting lugs.

Features

- Neoprene gasket – between cover and box.
- Wide box flange permits greater contact between gasket and box.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

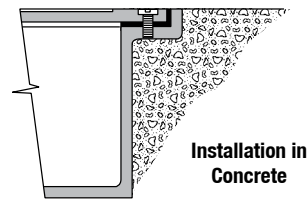
- Box and cover: hot dip galvanized

Options

- Checkered steel plate covers suitable for pedestrian traffic add suffix **-CS**.
- Checkered steel covers suitable for vehicular traffic (H-25 loading) add suffix **-CSV**.
- For additional options see *Ordering Information* pages.

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II Division 1 and 2, and Class III



| L | x | Inside Dimensions mm (in) | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|---|---------------------------|---|---------------|--------------------------------------|---------------------|
| | | W | x | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YR-040404 |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YR-060604 |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YR-080806 |
| 254.0 (10.00) | x | 254.0 (10.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YR-101006 |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YR-121208 |
| 355.6 (14.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YR-140806 |
| 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YR-161208 |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YR-181206 |
| 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 7.94 (0.3125) | YR-181210 |
| 457.2 (18.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 7.94 (0.3125) | YR-181812 |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 9.53 (0.3750) | YR-242412 |

① Measured 50.8 mm (2.00") up from back of box.

YU Type Inside Flanged Recessed Cover Boxes

Y Series: Raintight, Dust Tight

Cast Iron Box for Flush Mounting.

NEC/CEC:

NEMA/CSA Type 1, 2, 3, 3R, 3S, 5, 12, 12K, 13

Applications

- These boxes are listed by Underwriters Laboratories and Canadian Standards Association as Type 3R.
- They are suitable for use indoors, outdoors, or where subject to rain, dripping or splashing water.
- Recessed cover boxes designed for flush mounting in masonry.
- They are furnished with a plain cover as shown but can be supplied with checkered steel plate covers suitable for foot traffic (see options).

Features

- Neoprene gasket – between cover and box.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

- Box and cover: hot dip galvanized

Options

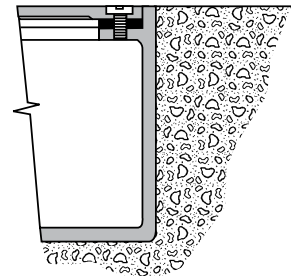
- Checkered steel plate covers suitable for pedestrian traffic, add suffix **-CS**.
- See optional hinges below.
- For additional options see *Ordering Information* pages.

NEC/CEC Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E24824
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472
- CSA Certified: Class II Division 1 and 2, and Class III



Installation in Concrete



| L | Inside Dimensions Millimeters (Inches) | | | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|--|---------------|---|--------------|---------------|--------------------------------------|---------------------|
| | x | W | x | x | | | |
| 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 6.35 (0.2500) | YU-040404 | |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YU-060606 | |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YU-080806 | |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YU-121206 | |

Optional Hinges (Stainless Steel, Butt Type)

| Hinges Per Set | Box Size | Catalog Number |
|----------------|------------------------------------|-----------------|
| 2 | Up to 304.8 x 304.8 mm (12" x 12") | HNG-22SS |

① Measured 50.8 mm (2.00") up from back of box.

YT Type Checkered Cover Sidewalk Boxes

Y Series: Weatherproof

Cast Iron Box for Flush Mounting.

Applications

- These boxes are specially designed to be mounted in sidewalks and other flat concrete surfaces. Their checkered covers are made to withstand pedestrian traffic.
- The flanges and covers are interchangeable to permit replacement without disturbing the box or conduit system.
- Heavy checkered steel covers can be furnished which will accommodate vehicular traffic (see *Options*).

Features

- Type YT boxes have a post in each corner and allowances must be made for them, when conduit entrances are to be located close to a corner.
- Cross ribbed, heavy duty cover with pry bar slots.
- Checkered cover provides non-slip surface.
- Neoprene gasket – between cover and box.
- Wide selection of locations for drilled and tapped and slip hole conduit entrances.

Standard Materials

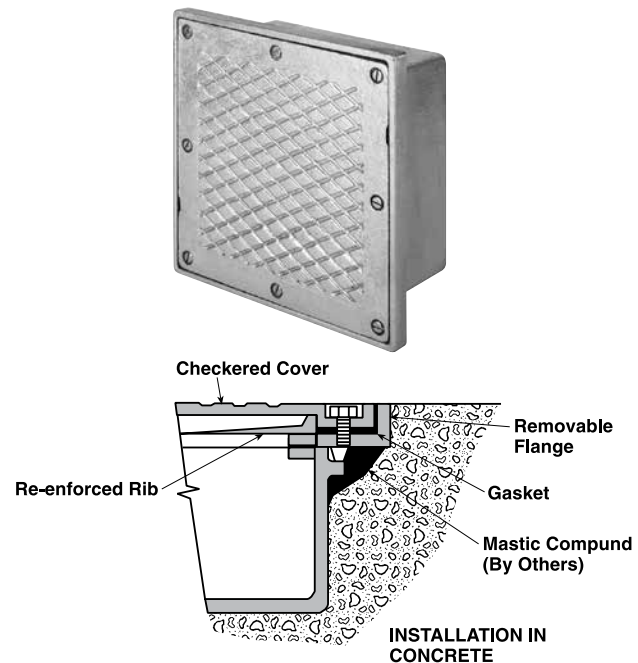
- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel

Standard Finishes

- Box and cover: hot dip galvanized

Options

- Checkered steel covers suitable for vehicular traffic H-25 loading, add suffix **-CSV**.
- Engraved lettering on cover per specifications.
- For additional options see *Ordering Information* pages.



| Inside Dimensions mm (in) | | | | | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------------------|---|---------------|---|--------------|--------------------------------------|---------------------|
| L | x | W | x | D | | |
| 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YT-060604 |
| 203.2 (8.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.94 (0.3125) | YT-080604 |
| 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YT-080806 |
| 304.8 (12.00) | x | 203.2 (8.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YT-120808 |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 7.94 (0.3125) | YT-121206 |
| 609.6 (24.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 7.94 (0.3125) | YT-241208 |

① Measured 50.8 mm (2.00") up from back of box.

Y58E Type Checkered Cover Sidewalk Topping Box

Y Series: Weatherproof

Cast Iron Box for Flush Mounting.

Applications

- These open-bottom boxes are designed to top off an underlying concrete pull box.

Features

- The construction details of the cover and flange are the same as those of a Type YT.
- Frame and cover are interchangeable and may be replaced if damaged without disturbing the rest of the system.
- Checkered cover provides non-slip surface for pedestrian traffic.
- Cross-ribbed checkered cover with pry bar slots.
- Cover secures to frame with recessed stainless steel hex head cap screws.
- Neoprene gasket – between cover and box.
- Wide selection of locations for drilled and tapped and slip hole conduit entrances.

Standard Materials

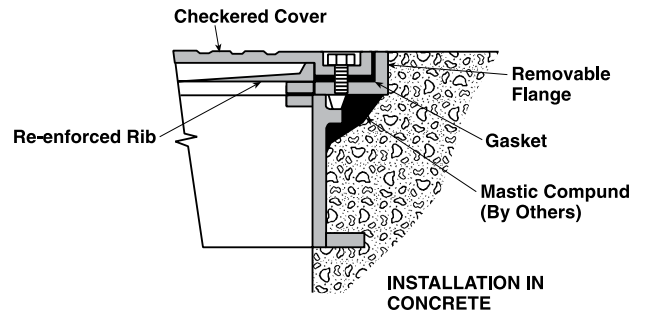
- Box, flange and cover: cast iron
- Neoprene gasket
- Screws: stainless steel

Standard Finishes

- Box and cover: hot dip galvanized

Options

- Engraved lettering on cover per specifications.



| L | Inside Dimensions mm (in) | | | | D | Approximate Wall Thickness ① mm (in) | Iron Catalog Number |
|---------------|---------------------------|---------------|---|--------------|---------------|--------------------------------------|---------------------|
| | x | W | x | | | | |
| 304.8 (12.00) | x | 304.8 (12.00) | x | 127.0 (5.00) | 9.53 (0.3750) | Y58E-1212 | |
| 609.6 (24.00) | x | 609.6 (24.00) | x | 127.0 (5.00) | 9.53 (0.3750) | Y58E-2424 | |

① Measured 50.8 mm (2.00") up from back of box.

NJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond 2 \diamond , IP66
Class II, Division 1, 2, Groups E, F, G
Class III
NEMA 4, 7B \diamond C \diamond D, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

Application

- Explosionproof junction boxes are used where hazardous materials are handled or stored. These enclosures may be used for:
 - Terminals
 - Splicing wires
 - Pull boxes
 - Bus boxes

Features

- Precision machined flame path between box and cover.
- Bolt on stainless steel slotted mounting feet for horizontal or vertical mounting.
- Flexible hinge mounting either left or right side is standard on all boxes 12 x 12 x 06 and larger.
- External flange maximizes internal space.
- Wall thickness suitable for minimum of five full threads.
- Provision for mounting pan.
- Wide range of drilled and tapped outlets.
- Ground lug package and installation instructions for termination of ground wires enclosed.
- O-ring gasket insures watertight integrity.

Standard Materials

- Bodies and covers: sand cast copperfree (4/10 of 1% max.) aluminum
- Cover bolts: stainless steel
- O-ring: neoprene
- Hinges: stainless steel
- Mounting pan: galvanized steel

Standard Finishes

- Bodies and covers: shot blast finish standard

Options

- Custom drilling and tapping.
- Set of 4 standoffs 12.7 mm (0.50") high. For factory-installed option add suffix **-AB**.
- Breather, NEMA 4X (includes outlets and installation). For factory-installed option add suffix **-BR**, for field-installed option order catalog number **BRTB4X**.
- Drain, NEMA 4X (includes outlets and installation). For factory-installed option add suffix **-DN** for field-installed option order catalog number **ECD50B4X**.
- Desiccate package. For factory-installed option add suffix **-DP1**, for field-installed option order catalog number **AWG13/1CT**.
- External grounding stud 3/8"-16. For factory-installed option add suffix **-EGS**.
- Gray epoxy powder coat (outside). For factory-installed option add suffix **-G1**.
- Gray epoxy powder coat available to provide NEMA 4X rating (inside and outside). For factory-installed option add suffix **-G2**.
- Internal Ground Stud, #14 - #2. For factory-installed option add suffix **-GNDKIT**.
- Hinges: stainless steel hinge available for boxes up to 11 x 30 x 03. For factory-installed option add suffix **-H**.
- Hinge Kit, 2 light duty SS hinges. For field-installed option order catalog number **AHOF12SS**.
- Hinge Kit, 2 heavy duty SS hinges. For field-installed option order catalog number **AHOF22SS**.
- Hinge Kit, 3 heavy duty SS hinges. For field-installed option order catalog number **AHOF23SS**.



- Terminal blocks 600 Volt, 30 Amp Indicate number of points: example: 5 points = 5K. For factory-installed option add suffix **-K**.
- Plastic nameplate, 50.8 x 101.6 mm (2.00 x 4.00"), 3.3 mm (13") black letters on white surface, 3 lines max, specify legend. For factory-installed option add suffix **-NP**.
- SS captive Quad-Lead bolts. For factory-installed option add suffix **-Q**.
- ATEX complete product certification add suffix **-X**.
- ATEX U component certification add suffix **-XU**.
- Mounting pan. For factory-installed option add suffix **-Z**.

NEC/CEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E85310
- CSA Standard: C22.2 No. 25, C22.2 No.30
- CSA Certified: 042129

ATEX/IECEX Certifications and Compliances

- Certification Type JBEW U2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ex II 2 G
 - ATEX/IEC Protection: Ex d IIB + H \diamond 2
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ex II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to 131 °F)
 - CE Declaration of Conformity: 5C239
 - ATEX Certificate: LCIE 06 ATEX 0010U
 - IECEX Certificate: IECEX LCI 08.001X
 - Internal Volume: > 2dm \sup 3 (2 liters)
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-1; 61241-0; 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

\diamond For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond \diamond , IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| Overall Dimensions | | | Dimensions in Millimeters (Inches) | | | | | | | | | | Max. Conduit Size Inches | Ship Weight kg (lb) | Mounting Hardware Catalog Number | Catalog Number |
|--------------------|------------------|------------------|------------------------------------|------------------|------------------|-------------------|------------------|------------------|-----------------|----------------|-----------------|-------|--------------------------|---------------------|----------------------------------|----------------|
| F | E | G | Mounting Dimensions | | | Inside Dimensions | | | | | | | | | | |
| | | | A | AA | B | BB | W | H | Db | Dc | K | | | | | |
| 181.1 (7.13) | 231.9 (9.13) | 155.7 (6.13) | N/A | 171.5 (6.75) | N/A | 54.1 (2.13) | 101.6 (4.00) | 152.4 (6.00) | 95.3 (3.75) | 19.1 (0.75) | 63.5 (2.50) | 1-1/2 | 9.1 (20) | NMH2 | NJBEW040604 | |
| 227.1 (8.94) | 342.9 (13.50) | 155.7 (6.13) | 101.6 (4.00) | N/A | 279.4 (11.00) | N/A | 128.5 (5.06) | 241.3 (9.50) | 88.9 (3.50) | 28.7 (1.13) | 50.8 (2.00) | 1-1/2 | 9.1 (20) | NMH2 | NJBEW050903 | |
| 244.6 (9.63) | 237.0 (9.33) | 158.8 (6.25) | N/A | 222.3 (8.75) | N/A | 308.1 (12.13) | 152.4 (6.00) | 152.4 (6.00) | 101.6 (4.00) | 19.1 (0.75) | 60.5 (2.38) | 2 | 9.1 (20) | NMH2 | NJBEW060604 | |
| 264.2 (10.40) | 315.0 (12.40) | 165.1 (6.50) | 114.3 (4.50) | 231.9 (9.13) | 268.2 (10.56) | 114.3 (4.50) | 152.4 (6.00) | 203.2 (8.00) | 95.3 (3.75) | 19.1 (0.75) | 63.5 (2.50) | 2 | 9.1 (20) | NMH2 | NJBEW060804 | |
| 264.2 (10.40) | 317.5 (12.50) | 206.5 (8.13) | N/A | 238.3 (9.38) | N/A | 114.3 (4.50) | 152.4 (6.00) | 203.2 (8.00) | 146.1 (5.75) | 19.1 (0.75) | 60.5 (2.38) | 2 | 9.1 (20) | NMH2 | NJBEW060806 | |
| 270.0 (10.63) | 387.4 (15.25) | 171.5 (6.75) | 139.7 (5.50) | N/A | 333.5 (13.13) | N/A | 155.7 (6.13) | 273.1 (10.75) | 96.8 (3.81) | 36.6 (1.44) | 50.8 (2.00) | 2 | 12.2 (27) | NMH2 | NJBEW061004 | |
| 270.0 (10.63) | 421.6 (16.60) | 162.1 (6.38) | N/A | 231.9 (9.13) | N/A | 215.9 (8.50) | 155.7 (6.13) | 308.1 (12.13) | 103.1 (4.06) | 25.4 (1.00) | 57.2 (2.25) | 2 | 11.3 (25) | NMH2 | NJBEW061204 | |
| 279.4 (11.00) | 520.7 (20.50) | 174.8 (6.88) | 152.4 (6.00) | N/A | 457.2 (18.00) | N/A | 165.1 (6.50) | 406.4 (16.00) | 104.9 (4.13) | 35.1 (1.38) | 58.7 (2.31) | 2 | 14.5 (32) | NMH2 | NJBEW061604 | |
| 311.2 (12.25) | 403.4 (15.88) | 254.0 (10.00) | 162.1 (6.38) | N/A | 342.9 (13.50) | N/A | 187.5 (7.38) | 289.1 (11.38) | 149.4 (5.88) | 63.5 (2.50) | 85.9 (3.38) | 2 | 15.9 (35) | NMH2 | NJBEW071106 | |
| 311.2 (12.25) | 311.2 (12.25) | 209.6 (8.25) | 114.3 (4.50) | 273.1 (10.75) | 273.1 (10.75) | 114.3 (4.50) | 203.2 (8.00) | 203.2 (8.00) | 146.1 (5.75) | 19.1 (0.75) | 82.6 (3.25) | 2 | 13.6 (30) | NMH2 | NJBEW080806 | |
| 317.5 (12.50) | 368.3 (14.50) | 215.9 (8.50) | 177.8 (7.00) | 273.1 (10.75) | 317.5 (12.50) | 165.1 (6.50) | 203.2 (8.00) | 254.0 (10.00) | 146.1 (5.75) | 19.1 (0.75) | 88.9 (3.50) | 2 | 16.3 (36) | NMH2 | NJBEW081006 | |
| 317.5 (12.50) | 443.0 (17.44) | 263.7 (10.38) | N/A | 254 (10.00) | N/A | 215.9 (8.50) | 203.2 (8.00) | 331.7 (13.06) | 88.9 (3.50) | 88.9 (3.50) | 69.9 (2.75) | 2 | 13.6 (30) | NMH2 | NJBEW081307 | |
| 352.6 (13.88) | 393.7 (15.50) | 220.7 (8.69) | 184.2 (7.25) | 300.2 (11.82) | 333.5 (13.13) | 217.4 (8.56) | 238.3 (9.00) | 282.7 (11.13) | 122.2 (4.81) | 47.8 (1.88) | 82.6 (3.25) | 2 | 10.0 (22) | NMH2 | NJBEW091105 | |
| 362.0 (14.25) | 519.2 (20.44) | 215.9 (8.50) | 184.2 (7.25) | 300.0 (11.81) | 454.2 (17.88) | 338.1 (13.31) | 241.3 (9.50) | 395.2 (15.56) | 120.7 (4.75) | 44.5 (1.75) | 76.2 (3.00) | 2 | 15.0 (33) | NMH2 | NJBEW091504 | |
| 376.2 (14.81) | 376.2 (14.81) | 231.9 (9.13) | 165.1 (6.50) | 273.8 (10.78) | 330.2 (13.00) | 114.3 (4.50) | 260.4 (10.25) | 260.4 (10.25) | 146.1 (5.75) | 38.1 (1.50) | 85.9 (3.38) | 2 | 20.00 (44) | NMH2 | NJBEW101006 | |
| 368.3 (14.50) | 469.9 (18.50) | 214.4 (8.44) | 177.8 (7.00) | 330.2 (13.00) | 422.4 (16.63) | 270 (10.63) | 254.0 (10.00) | 355.6 (14.00) | 149.4 (5.88) | 19.1 (0.75) | 79.5 (3.13) | 2 | 24.9 (55) | NMH4 | NJBEW101406 | |
| 368.3 (14.50) | 469.9 (18.50) | 244.6 (9.63) | N/A | 330.2 (13.00) | N/A | 270 (10.63) | 254.0 (10.00) | 355.6 (14.00) | 196.9 (7.75) | 19.1 (0.75) | 112.8 (4.44) | 4 | 27.2 (60) | NMH2 | NJBEW101408 | |
| 416.1 (16.38) | 638.3 (25.13) | 190.5 (7.50) | 260.4 (10.25) | 368.3 (14.50) | 574.8 (22.63) | 428.8 (16.88) | 289.1 (11.38) | 508.0 (20.00) | 124.0 (4.88) | 38.1 (1.50) | 88.9 (3.50) | 3 | 38.6 (85) | NMH2 | NJBEW112005 | |
| 400.1 (15.75) | 746.3 (29.38) | 258.8 (10.19) | 215.9 (8.50) | 358.9 (14.13) | 689.1 (27.13) | 508 (20.00) | 273.1 (10.75) | 619.3 (24.38) | 152.4 (6.00) | 41.4 (1.63) | 101.6 (4.00) | 3 | 32.7 (72) | NMH8 | NJBEW112406 | |

\diamond For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B⁰, C⁰, D
 Class I, Zone 1, 2, Groups IIA, IIB⁰+H₂⁰, IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B⁰C⁰D, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| Overall Dimensions | | | Dimensions in Millimeters (Inches) | | | | | | | | | Max. Conduit Size Inches | Ship Weight kg (lb) | Mounting Hardware Catalog Number | Catalog Number |
|--------------------|-------------------|------------------|------------------------------------|------------------|-------------------|-------------------|------------------|------------------|------------------|----------------|-----------------|--------------------------|---------------------|----------------------------------|----------------|
| F | E | G | Mounting Dimensions | | | Inside Dimensions | | | | | | | | | |
| | | | A | AA | B | BB | W | H | Db | Dc | K | | | | |
| 416.1 (16.38) | 889.0 (35.00) | 260.4 (10.25) | 241.3 (9.50) | 384.3 (15.13) | 835.2 (32.88) | 692.2 (27.25) | 285.8 (11.25) | 759.0 (29.88) | 157.2 (6.19) | 47.8 (1.88) | 106.4 (4.19) | 3 | 51.3 (113) | NMH8 | NJBEW113006 |
| 441.5 (17.38) | 441.5 (17.38) | 235 (9.25) | 219.2 (8.63) | 397.0 (15.63) | 397.0 (15.63) | 219.2 (8.63) | 311.2 (12.25) | 311.2 (12.25) | 146.1 (5.75) | 38.1 (1.50) | 95.3 (3.75) | 3 | 29.5 (65) | NMH8 | NJBEW121206 |
| 441.5 (17.38) | 441.5 (17.38) | 292.1 (11.50) | 219.2 (8.63) | 397.0 (15.63) | 397.0 (15.63) | 219.2 (8.63) | 311.2 (12.25) | 311.2 (12.25) | 196.9 (7.75) | 38.1 (1.50) | 120.7 (4.75) | 3 | 31.8 (70) | NMH8 | NJBEW121208 |
| 431.8 (17.00) | 584.2 (23.00) | 231.9 (9.13) | 177.8 (7.00) | 400.1 (15.75) | 533.4 (21.00) | 358.9 (14.13) | 311.2 (12.25) | 463.6 (18.25) | 146.1 (5.75) | 38.1 (1.50) | 88.9 (3.50) | 4 | 40.8 (90) | NMH5 | NJBEW121806 |
| 431.8 (17.00) | 584.2 (23.00) | 282.7 (11.13) | 177.8 (7.00) | 400.1 (15.75) | 533.4 (21.00) | 358.9 (14.13) | 311.2 (12.25) | 463.6 (18.25) | 222.3 (8.75) | 38.1 (1.50) | 108.0 (4.25) | 4 | 45.8 (101) | NMH5 | NJBEW121808 |
| 425.5 (16.75) | 730.3 (28.75) | 282.7 (11.13) | N/A | 400.1 (15.75) | N/A | 466.9 (18.38) | 304.8 (12.00) | 609.6 (24.00) | 196.9 (7.75) | 25.4 (1.00) | 108.0 (4.25) | 4 | 62.6 (138) | NMH4 | NJBEW122408 |
| 425.5 (16.75) | 1035.1 (40.75) | 301.8 (11.88) | N/A | 400.1 (15.75) | N/A | 736.6 (29.00) | 304.8 (12.00) | 914.4 (36.00) | 196.9 (7.75) | 38.1 (1.50) | 115.8 (4.56) | 4 | 98.9 (218) | NMH5 | NJBEW123608 |
| 457.2 (18.00) | 1079.5 (42.50) | 265.2 (10.44) | 409.7 (16.13) | 301.8 (11.88) | 1035.1 (40.75) | 857.3 (33.75) | 346.2 (13.63) | 962.2 (37.88) | 155.7 (6.13) | 38.1 (1.50) | 109.5 (4.31) | 3-1/2 | 86.2 (190) | NMH8 | NJBEW133806 |
| 492.3 (19.38) | 492.3 (19.38) | 242.8 (9.56) | 247.7 (9.75) | 450.9 (17.75) | 450.9 (17.75) | 247.7 (9.75) | 374.7 (14.75) | 374.7 (14.75) | 146.1 (5.75) | 35.1 (1.38) | 98.6 (3.88) | 3-1/2 | 44.5 (98) | NMH8 | NJBEW141406 |
| 492.3 (19.38) | 492.3 (19.38) | 293.6 (11.56) | 247.7 (9.75) | 450.9 (17.75) | 450.9 (17.75) | 247.7 (9.75) | 374.7 (14.75) | 374.7 (14.75) | 196.9 (7.75) | 35.1 (1.38) | 101.6 (4.00) | 3 | 47.6 (105) | NMH8 | NJBEW141408 |
| 498.6 (19.63) | 736.6 (29.00) | 304.8 (12.00) | 333.5 (13.13) | N/A | 698.5 (27.50) | N/A | 378 (14.88) | 616.0 (24.25) | 203.2 (8.00) | 38.1 (1.50) | 101.6 (4.00) | 4 | 59.4 (131) | NMH6 | NJBEW142408 |
| 539.8 (21.25) | 1092.2 (43.00) | 306.3 (12.06) | 349.3 (13.75) | 508.0 (20.00) | 1057.4 (41.63) | 812.8 (32.00) | 397 (15.63) | 946.2 (37.25) | 189.0 (7.44) | 38.1 (1.50) | 133.4 (5.25) | 4 | 113.4 (250) | NMH8 | NJBEW153707 |
| 533.4 (21.00) | 533.4 (21.00) | 249.2 (9.81) | 279.4 (11.00) | 501.7 (19.75) | 501.7 (19.75) | 279.4 (11.00) | 419.1 (16.50) | 419.1 (16.50) | 146.1 (5.75) | 38.1 (1.50) | 98.6 (3.88) | 3-1/2 | 59.9 (132) | NMH8 | NJBEW161606 |
| 533.4 (21.00) | 533.4 (21.00) | 314.7 (12.39) | 279.4 (11.00) | 501.7 (19.75) | 501.7 (19.75) | 279.4 (11.00) | 419.1 (16.50) | 419.1 (16.50) | 212.9 (8.38) | 38.1 (1.50) | 124.0 (4.88) | 4 | 63.5 (140) | NMH8 | NJBEW161608 |
| 543.1 (21.38) | 593.9 (23.38) | 382.5 (15.06) | 304.8 (12.00) | 482.6 (19.00) | 533.4 (21.00) | 355.6 (14.00) | 412.8 (16.25) | 463.6 (18.25) | 301.8 (11.88) | 9.7 (0.38) | 177.8 (7.00) | 4 | 68.0 (150) | NMH8 | NJBEW161812 |
| 546.1 (21.50) | 693.7 (27.31) | 230.1 (9.06) | 330.2 (13.00) | 505.0 (19.88) | 641.4 (25.25) | 393.7 (15.50) | 417.6 (16.44) | 571.5 (22.50) | 146.1 (5.75) | 31.8 (1.25) | 84.1 (3.31) | 3 | 59.0 (130) | NMH8 | NJBEW162206 |
| 533.4 (21.00) | 711.2 (28.00) | 308.1 (12.13) | N/A | 501.7 (19.75) | N/A | 466.9 (18.38) | 412.8 (16.25) | 616.0 (24.25) | 209.6 (8.25) | 38.1 (1.50) | 134.9 (5.31) | 4 | 81.6 (180) | NMH6 | NJBEW162408 |
| 527.1 (20.75) | 831.9 (32.75) | 219.2 (8.63) | 330.2 (13.00) | N/A | 781.1 (30.75) | N/A | 412.8 (16.25) | 717.6 (28.25) | 146.1 (5.75) | 38.1 (1.50) | 79.5 (3.13) | 3 | 68.0 (150) | NMH5 | NJBEW162806 |
| 593.9 (23.38) | 593.9 (23.38) | 252.5 (9.94) | 330.2 (13.00) | 552.5 (21.75) | 552.5 (21.75) | 330.2 (13.00) | 463.6 (18.25) | 463.6 (18.25) | 146.1 (5.75) | 38.1 (1.50) | 104.9 (4.13) | 3-1/2 | 85.3 (188) | NMH8 | NJBEW181806 |

◊ For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B⁰, C⁰, D
 Class I, Zone 1, 2, Groups IIA, IIB⁰+H₂⁰, IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B⁰C⁰D, 9EFG

ATEX/IECEx:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| Overall Dimensions | | | Dimensions in Millimeters (Inches) | | | | | | | | | Max. Conduit Size Inches | Ship Weight kg (lb) | Mounting Hardware Catalog Number | Catalog Number |
|--------------------|-------------------|------------------|------------------------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|-----------------|-----------------|--------------------------|---------------------|----------------------------------|----------------|
| F | E | G | Mounting Dimensions | | | Inside Dimensions | | | | | | | | | |
| | | | A | AA | B | BB | W | H | Db | Dc | K | | | | |
| 593.9 (23.38) | 593.9 (23.38) | 303.3 (11.94) | 330.2 (13.00) | 552.5 (21.75) | 552.5 (21.75) | 330.2 (13.00) | 463.6 (18.25) | 463.6 (18.25) | 196.9 (7.75) | 38.1 (1.50) | 114.3 (4.50) | 4 | 89.8 (198) | NMH8 | NJBEW181808 |
| 608.1 (23.94) | 762.0 (30.00) | 309.4 (12.18) | 409.7 (16.13) | 552.5 (21.75) | 704.9 (27.75) | 466.9 (18.38) | 463.6 (18.25) | 614.4 (24.19) | 196.9 (7.75) | 38.1 (1.50) | 128.5 (5.06) | 4 | 101.6 (224) | NMH8 | NJBEW182408 |
| 608.1 (23.94) | 762.0 (30.00) | 360.2 (14.18) | 409.7 (16.13) | 552.5 (21.75) | 704.9 (27.75) | 466.9 (18.38) | 463.6 (18.25) | 614.4 (24.19) | 247.7 (9.75) | 38.1 (1.50) | 146.1 (5.75) | 4 | 106.6 (235) | NMH8 | NJBEW182410 |
| 574.8 (22.63) | 879.6 (34.63) | 308.1 (12.13) | N/A | 552.5 (21.75) | N/A | 584.2 (23.00) | 463.6 (18.25) | 768.4 (30.25) | 196.9 (7.75) | 38.1 (1.50) | 120.7 (4.75) | 4 | 120.2 (265) | NMH5 | NJBEW183008 |
| 596.9 (23.50) | 1060.5 (41.75) | 312.7 (12.31) | 279.4 (11.00) | 552.5 (21.75) | 1003.3 (39.50) | 736.6 (29.00) | 463.6 (18.25) | 927.1 (36.50) | 196.9 (7.75) | 38.1 (1.50) | 120.7 (4.75) | 4 | 113.4 (250) | NMH8 | NJBEW183608 |
| 596.9 (23.50) | 1060.5 (41.75) | 363.5 (14.31) | 279.4 (11.00) | 552.5 (21.75) | 1003.3 (39.50) | 736.6 (29.00) | 463.6 (18.25) | 927.1 (36.50) | 247.7 (9.75) | 38.1 (1.50) | 139.7 (5.50) | 4 | 122.5 (270) | NMH8 | NJBEW183610 |
| 606.6 (23.88) | 1216.2 (47.88) | 301.8 (11.88) | 406.4 (16.00) | 584.2 (23.00) | 1152.7 (45.38) | 974.9 (38.38) | 473.2 (18.63) | 1073.2 (42.25) | 177.8 (7.00) | 38.1 (1.50) | 127.0 (5.00) | 4 | 140.6 (310) | NMH8 | NJBEW184207 |
| 635.0 (25.00) | 1651.0 (65.00) | 323.9 (12.75) | N/A | 596.9 (23.50) | N/A | 1270.0 (50.00) | 508.0 (20.00) | 1524.0 (60.00) | 174.8 (6.88) | 38.1 (1.50) | 120.7 (4.75) | 4 | 236.3 (521) | NMH5 | NJBEW206008 |
| 746.3 (29.38) | 746.3 (29.38) | 312.7 (12.31) | 466.9 (18.38) | 711.2 (28.00) | 711.2 (28.00) | 466.9 (18.38) | 622.3 (24.50) | 622.3 (24.50) | 196.9 (7.75) | 38.1 (1.50) | 127.0 (5.00) | 4 | 102.1 (225) | NMH8 | NJBEW242408 |
| 746.3 (29.38) | 746.3 (29.38) | 363.5 (14.31) | 466.9 (18.38) | 711.2 (28.00) | 711.2 (28.00) | 466.9 (18.38) | 622.3 (24.50) | 622.3 (24.50) | 247.7 (9.75) | 38.1 (1.50) | 155.7 (6.13) | 4 | 108.9 (240) | NMH8 | NJBEW242410 |
| 736.6 (29.00) | 889.0 (35.00) | 330.2 (13.00) | 457.2 (18.00) | 711.2 (28.00) | 863.6 (34.00) | 584.2 (23.00) | 609.6 (24.00) | 762.0 (30.00) | 203.2 (8.00) | 49.3 (1.94) | 133.4 (5.25) | 4 | 190.5 (420) | NMH8 | NJBEW243008 |
| 781.1 (30.75) | 1092.2 (43.00) | 331.7 (13.06) | 463.6 (18.25) | 711.2 (28.00) | 1016.0 (40.00) | 736.6 (29.00) | 616.0 (24.25) | 920.8 (36.25) | 196.9 (7.75) | 41.4 (1.63) | 130.3 (5.13) | 4 | 190.5 (420) | NMH5 | NJBEW243608 |
| 781.1 (30.75) | 1092.2 (43.00) | 382.5 (15.06) | 463.6 (18.25) | 711.2 (28.00) | 1016.0 (40.00) | 736.6 (29.00) | 616.0 (24.25) | 920.8 (36.25) | 247.7 (9.75) | 41.4 (1.63) | 152.4 (6.00) | 4 | 204.1 (450) | NMH5 | NJBEW243610 |
| 914.4 (36.00) | 1117.6 (44.00) | 349.3 (13.75) | N/A | 889.0 (35.00) | N/A | 736.6 (29.00) | 762.0 (30.00) | 965.2 (38.00) | 196.9 (7.75) | 50.8 (2.00) | 155.7 (6.13) | 4 | 272.2 (600) | NMH6 | NJBEW303808 |
| 914.4 (36.00) | 1117.6 (44.00) | 509.5 (20.06) | N/A | 889.0 (35.00) | N/A | 736.6 (29.00) | 762.0 (30.00) | 965.2 (38.00) | 393.7 (15.50) | 196.9 (7.75) | 155.7 (6.13) | 4 | 362.9 (800) | NMH6 | NJBEW303816 ① |

① Cast Junction Box does not have ATEX/IECEx certification.

◇ For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJBEW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond , IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Options

| Factory-Installed Suffix | Field-Installed Catalog Number | Description |
|--------------------------|--------------------------------|--|
| AB | Not Available | Set of 4 standoffs 12.7 mm (0.50") high |
| BR | BRTB4X | Breather, NEMA 4X (includes outlets and installation) |
| DN | ECD50B4X | Drain, NEMA 4X (includes outlets and installation) |
| DP1 | AWG13/1CT | Desiccate package |
| EGS | EGSKIT | External grounding stud 3/8"-16 |
| G1 | Not Available | Gray powder coat epoxy (outside) |
| G2 | Not Available | Gray powder coat epoxy (inside and outside) |
| GNDKIT | | Internal Ground Stud, #14 - #2 |
| H | | Hinges stainless steel |
| | AHOF12SS | Hinge Kit, 2 light duty SS hinges |
| | AHOF22SS | Hinge Kit, 2 heavy duty SS hinges |
| | AHOF23SS | Hinge Kit, 3 heavy duty SS hinges |
| K | Not Available | Terminal blocks 600 Volt, 30 Amp <i>Indicate number of points: example: 5 points = 5K</i> |
| NP | Not Available | Plastic nameplate, 50.8 x 101.6 mm (2.00 x 4.00"), 3.3 mm (13") black letters on white surface, 3 lines max, specify legend. |
| Q | Not Available | SS captive Quad-Lead bolts |
| X | Not Available | ATEX Certification |
| XU | Not Available | ATEX Component Certification |
| Z | See table on following page | Mounting pan |

Drill and Tap Options

(For drill and tap schedule, Drilling and Tapping Guidelines)

| Symbol | Conduit Size (NPT) Inches | Symbol | Conduit Size (NPT) Inches |
|--------|------------------------------|--------|------------------------------|
| A | 1/2 | F | 2 |
| B | 3/4 | G | 2-1/2 |
| C | 1 | H | 3 |
| D | 1-1/4 | J | 3-1/2 |
| E | 1-1/2 | K | 4 |

| Blind Tapped Holes | |
|--------------------|--------------|
| Suffix | Screw Size |
| BT1 | #6 - 1/4" |
| BT2 | 5/16" - 1/2" |

Mounting Hardware

Refer to ordering information for Enclosure-Mounting Hardware Correlation.

| Factory-Installed Suffix | Field-Installed Catalog Number | Description |
|--------------------------|--------------------------------|--|
| MH1 | NMH1 | 1/4" - 20 x 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers |
| MH2 | NMH2 | 3/8" -16 x 1-1/4" Bolt, 3/8" -16 Hex Nut, 3/8" Washers |
| MH3 | NMH3 | 7/16" - 14 x 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers |
| MH4 | NMH4 | 1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH5 | NMH5 | 1/2" - 13 x 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH6 | NMH6 | 5/8" - 11 x 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |
| MH7 | NMH7 | 1/2" - 13 x 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH8 | NMH8 | 5/8" - 11 x 1-1/4" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |

\diamond For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJB EW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond , IP66
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

ATEX/IECEx:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Options

| Factory-Installed Suffix | Field-Installed Catalog Number | Description |
|--------------------------|--------------------------------|--|
| AB | Not Available | Set of 4 standoffs 12.7 mm (0.50") high |
| BR | BRTB4X | Breather, NEMA 4X (includes outlets and installation) |
| DN | ECD50B4X | Drain, NEMA 4X (includes outlets and installation) |
| DP1 | AWG13/1CT | Desiccate package |
| EGS | EGSKIT | External grounding stud 3/8"-16 |
| G1 | Not Available | Gray powder coat epoxy (outside) |
| G2 | Not Available | Gray powder coat epoxy (inside and outside) |
| GNDKIT | | Internal Ground Stud, #14 - #2 |
| H | | Hinges stainless steel |
| | AHOF12SS | Hinge Kit, 2 light duty SS hinges |
| | AHOF22SS | Hinge Kit, 2 heavy duty SS hinges |
| | AHOF23SS | Hinge Kit, 3 heavy duty SS hinges |
| K | Not Available | Terminal blocks 600 Volt, 30 Amp <i>Indicate number of points: example: 5 points = 5K</i> |
| NP | Not Available | Plastic nameplate, 50.8 x 101.6 mm (2.00 x 4.00"), 3.3 mm (13") black letters on white surface, 3 lines max, specify legend. |
| Q | Not Available | SS captive Quad-Lead bolts |
| X | Not Available | ATEX Certification |
| XU | Not Available | ATEX Component Certification |
| Z | See table on following page | Mounting pan |

Drill and Tap Options

(For drill and tap schedule, Drilling and Tapping Guidelines)

| Symbol | Conduit Size (NPT) Inches | Symbol | Conduit Size (NPT) Inches |
|--------|------------------------------|--------|------------------------------|
| A | 1/2 | F | 2 |
| B | 3/4 | G | 2-1/2 |
| C | 1 | H | 3 |
| D | 1-1/4 | J | 3-1/2 |
| E | 1-1/2 | K | 4 |

| Blind Tapped Holes | |
|--------------------|--------------|
| Suffix | Screw Size |
| BT1 | #6 - 1/4" |
| BT2 | 5/16" - 1/2" |

Mounting Hardware

Refer to ordering information for Enclosure-Mounting Hardware Correlation.

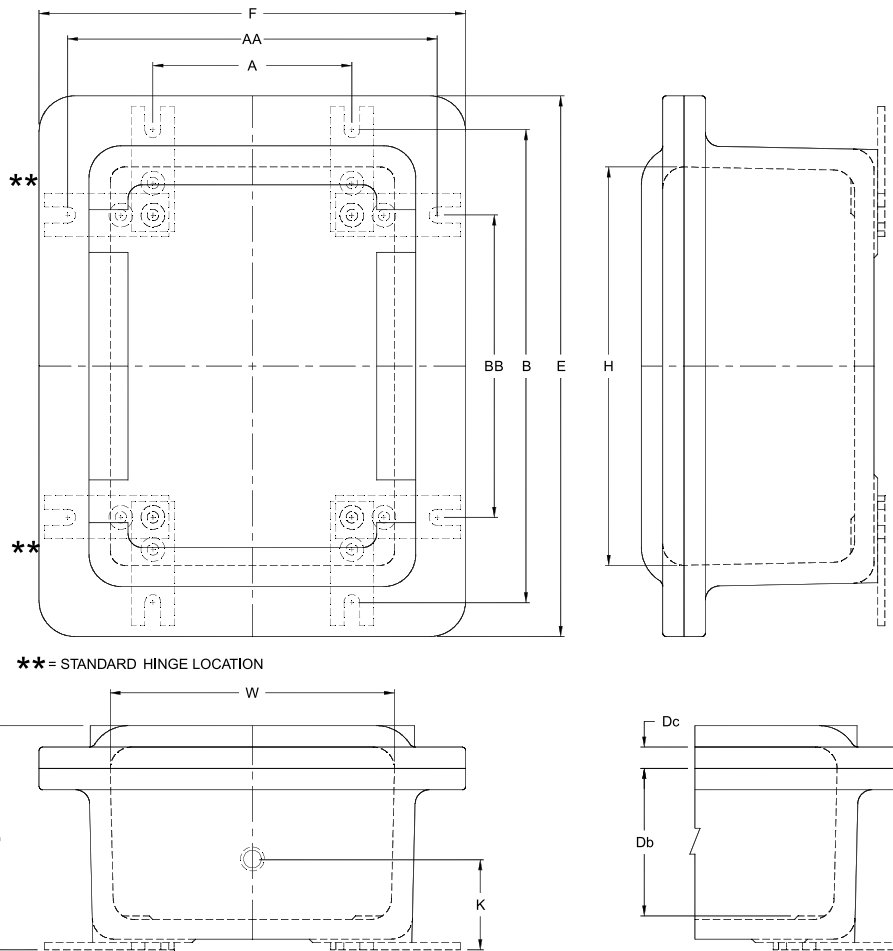
| Factory-Installed Suffix | Field-Installed Catalog Number | Description |
|--------------------------|--------------------------------|--|
| MH1 | NMH1 | 1/4" - 20 x 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers |
| MH2 | NMH2 | 3/8" -16 x 1-1/4" Bolt, 3/8" -16 Hex Nut, 3/8" Washers |
| MH3 | NMH3 | 7/16" - 14 x 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers |
| MH4 | NMH4 | 1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH5 | NMH5 | 1/2" - 13 x 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH6 | NMH6 | 5/8" - 11 x 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |
| MH7 | NMH7 | 1/2" - 13 x 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| MH8 | NMH8 | 5/8" - 11 x 1-1/4" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |

\diamond For Groups B and C, all conduits must be sealed within 50.8 mm (2") of the enclosure.

NJBEW Cast Junction Box Dimensions and Drilling and Tapping Guidelines

Explosionproof, Dust-Ignitionproof

Dimensions — See Catalog Number Tables



Drilling and Tapping Guidelines

| Conduit Size (NPT) | Minimum Spacing For Conduit Centers in Millimeters (Inches) | | | | | | | | | |
|--------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |
| 1/2 | 54.1 (2.13) | 54.1 (2.13) | 57.2 (2.25) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 92.2 (3.63) | 101.6 (4.00) | 114.3 (4.50) | 114.3 (4.50) |
| 3/4 | 54.1 (2.13) | 54.1 (2.13) | 57.2 (2.25) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 92.2 (3.63) | 101.6 (4.00) | 114.3 (4.50) | 114.3 (4.50) |
| 1 | 57.2 (2.25) | 57.2 (2.25) | 60.5 (2.38) | 71.4 (2.81) | 76.2 (3.00) | 82.6 (3.25) | 95.3 (3.75) | 104.9 (4.13) | 114.3 (4.50) | 117.6 (4.63) |
| 1-1/4 | 66.8 (2.63) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 84.1 (3.31) | 92.2 (3.63) | 104.9 (4.13) | 114.3 (4.50) | 120.7 (4.75) | 127.0 (5.00) |
| 1-1/2 | 71.4 (2.81) | 71.4 (2.81) | 76.2 (3.00) | 84.1 (3.31) | 88.9 (3.50) | 96.8 (3.81) | 109.5 (4.31) | 117.6 (4.63) | 125.5 (4.94) | 133.4 (5.25) |
| 2 | 79.5 (3.13) | 79.5 (3.13) | 82.6 (3.25) | 92.2 (3.63) | 96.8 (3.81) | 104.9 (4.13) | 117.6 (4.63) | 127.0 (5.00) | 148.1 (5.83) | 146.1 (5.75) |
| 2-1/2 | 92.2 (3.63) | 92.2 (3.63) | 95.3 (3.75) | 104.9 (4.13) | 109.5 (4.31) | 117.6 (4.63) | 130.3 (5.13) | 84.1 (3.31) | 146.1 (5.75) | 155.7 (6.13) |
| 3 | 101.6 (4.00) | 101.6 (4.00) | 104.9 (4.13) | 114.3 (4.50) | 117.6 (4.63) | 127.0 (5.00) | 84.1 (3.31) | 146.1 (5.75) | 152.4 (6.00) | 158.8 (6.25) |
| 3-1/2 | 114.3 (4.50) | 114.3 (4.50) | 114.3 (4.50) | 120.7 (4.75) | 125.5 (4.94) | 136.7 (5.38) | 146.1 (5.75) | 152.4 (6.00) | 158.8 (6.25) | 165.1 (6.50) |
| 4 | 114.3 (4.50) | 114.3 (4.50) | 117.6 (4.63) | 127.0 (5.00) | 133.4 (5.25) | 146.1 (5.75) | 155.7 (6.13) | 158.8 (6.25) | 165.1 (6.50) | 171.5 (6.75) |

YE Cast Iron Junction Boxes

Explosionproof, Dust-Ignitionproof. Integrally Cast Mounting Feet

Drilled and tapped openings 1/2" thru 6" as specified.

NEC:

Class I, Division 1 and 2, Group D
Class II, Division 1 and 2 Groups E, F, G
Class III

Features

- Wide selection of sizes and locations for drilled and tapped openings.
- Extra wide, accurately ground mating surfaces with closely spaced stainless steel hex head cap screws assure a flame-tight joint.
- Provided with mounting lugs.

Standard Materials

- Bodies and covers: cast iron

Standard Finishes

- Hot-dip galvanized

Options

- For factory installed hinges, add suffix **-HNG**.
- For factory installed mounting plate, add suffix **-WYM**
- Refer to *Junction Box Mounting Plate Information* for complete listing of available mounting plates.

NEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444



| Nominal Inside Dimensions L x W x D mm (in) | Approximate Side Wall Thickness mm (in) | Maximum Conduit Size (Inches) | Catalog Number ① |
|---|---|-------------------------------|------------------|
| 101.6 x 101.6 x 101.6 (4 x 4 x 4) | 11.9 (0.47) | 2 | YE040404 |
| 152.4 x 152.4 x 101.6 (6 x 6 x 4) | 16.0 (0.63) | 2 | YE060604 |
| 152.4 x 152.4 x 152.4 (6 x 6 x 6) | 16.0 (0.63) | 3-1/2 | YE060606 |
| 203.2 x 101.6 x 101.6 (8 x 4 x 4) | 16.0 (0.63) | 2 | YE080404 |
| 203.2 x 152.4 x 101.6 (8 x 6 x 4) | 16.0 (0.63) | 2 | YE080604 |
| 203.2 x 152.4 x 152.4 (8 x 6 x 6) | 16.0 (0.63) | 3-1/2 | YE080606 |
| 203.2 x 203.2 x 101.6 (8 x 8 x 4) | 16.0 (0.63) | 2 | YE080804 |
| 203.2 x 203.2 x 152.4 (8 x 8 x 6) | 16.0 (0.63) | 3-1/2 | YE080806 |
| 203.2 x 203.2 x 203.2 (8 x 8 x 8) | 16.0 (0.63) | 5 | YE080808 |
| 254.0 x 203.2 x 101.6 (10 x 8 x 4) | 16.0 (0.63) | 2 | YE100804 |
| 245.0 x 203.2 x 152.4 (10 x 8 x 6) | 16.0 (0.63) | 3-1/2 | YE100806 |
| 254.0 x 203.2 x 203.2 (10 x 8 x 8) | 16.0 (0.63) | 5 | YE100808 |
| 254.0 x 254.0 x 101.6 (10 x 10 x 4) | 16.0 (0.63) | 2 | YE101004 |
| 254.0 x 254.0 x 152.4 (10 x 10 x 6) | 16.0 (0.63) | 3-1/2 | YE101006 |
| 254.0 x 254.0 x 203.2 (10 x 10 x 8) | 16.0 (0.63) | 5 | YE101008 |
| 304.8 x 203.2 x 101.6 (12 x 8 x 4) | 16.0 (0.63) | 2 | YE120804 |
| 304.8 x 304.8 x 101.6 (12 x 12 x 4) | 17.5 (0.69) | 2 | YE121204 |
| 304.8 x 304.8 x 152.4 (12 x 12 x 6) | 17.5 (0.69) | 3-1/2 | YE121206 |
| 304.8 x 304.8 x 203.2 (12 x 12 x 8) | 17.5 (0.69) | 5 | YE121208 |
| 304.8 x 304.8 x 254.0 (12 x 12 x 10) | 17.5 (0.69) | 6 | YE121210 |
| 304.8 x 304.8 x 304.8 (12 x 12 x 12) | 17.5 (0.69) | 6 | YE121212 |

① See YE Ordering Information page for drilling and tapping options.

YE Cast Iron Junction Boxes

Explosionproof, Dust-Ignitionproof. Integrally Cast Mounting Feet

Drilled and tapped openings 1/2" thru 6" as specified.

NEC:

Class I, Division 1 and 2, Group D
 Class II, Division 1 and 2 Groups E, F, G
 Class III

| Nom. Inside Dimensions LxWxD mm (in) | Approximate Side Wall Thickness mm (in) | Maximum Conduit Size | Catalog Number ① |
|--------------------------------------|---|----------------------|------------------|
| 457.2 x 304.8 x 101.6 (18 x 12 x 4) | 20.6 (0.81) | 2 | YE181204 |
| 457.2 x 304.8 x 152.4 (18 x 12 x 6) | 20.6 (0.81) | 3-1/2 | YE181206 |
| 457.2 x 304.8 x 203.2 (18 x 12 x 8) | 20.6 (0.81) | 5 | YE181208 |
| 457.2 x 304.8 x 304.8 (18 x 12 x 12) | 20.6 (0.81) | 6 | YE181212 |
| 457.2 x 457.2 x 152.4 (18 x 18 x 6) | 20.6 (0.81) | 3-1/2 | YE181806 |
| 457.2 x 457.2 x 203.2 (18 x 18 x 8) | 20.6 (0.81) | 5 | YE181808 |
| 457.2 x 457.2 x 304.8 (18 x 18 x 12) | 20.6 (0.81) | 6 | YE181812 |
| 609.9 x 304.8 x 203.2 (24 x 12 x 8) | 20.6 (0.81) | 5 | YE241208 |
| 609.9 x 304.8 x 245.0 (24 x 12 x 10) | 20.6 (0.81) | 6 | YE241210 |
| 609.9 x 304.8 x 304.8 (24 x 12 x 12) | 20.6 (0.81) | 6 | YE241212 |
| 609.9 x 457.2 x 152.4 (24 x 18 x 6) | 23.9 (0.94) | 3 | YE241806 |
| 609.9 x 457.2 x 203.2 (24 x 18 x 8) | 23.9 (0.94) | 6 | YE241808 |
| 609.9 x 457.2 x 245.0 (24 x 18 x 10) | 23.9 (0.94) | 6 | YE241810 |
| 609.9 x 457.2 x 304.8 (24 x 18 x 12) | 23.9 (0.94) | 6 | YE241812 |
| 609.9 x 609.9 x 203.2 (24 x 24 x 8) | 23.9 (0.94) | 5 | YE242408 |
| 609.9 x 609.9 x 304.8 (24 x 24 x 12) | 23.9 (0.94) | 6 | YE242412 |
| 762.0 x 304.8 x 245.0 (30 x 12 x 10) | 26.9 (1.06) | 6 | YE301210 |
| 762.0 x 609.9 x 203.2 (30 x 24 x 8) | 26.9 (1.06) | 5 | YE302408 |
| 762.0 x 609.9 x 245.0 (30 x 24 x 10) | 26.9 (1.06) | 6 | YE302410 |
| 762.0 x 609.9 x 304.8 (30 x 24 x 12) | 26.9 (1.06) | 6 | YE302412 |

Hinges (Malleable Iron, Hot Dip Galvanized)

| EXB Box Size in mm (in) | Catalog Number | Number of Hinges per set |
|-------------------------------------|----------------|--------------------------|
| Up to 304.8 x 304.8 (12 x 12) | HNG-22G | 2 |
| Up to 609.9 x 457.2 (24 x 18) | HNG-23G | 2 |
| Up to 762.0 x 304.8 (30 x 12) | HNG-24G | 2 |
| Larger than 762.0 x 304.8 (30 x 12) | HNG-34G | 3 |

① See EXB Ordering Information page for drilling and tapping options.

YE Series Junction Box Mounting Plate Information

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:

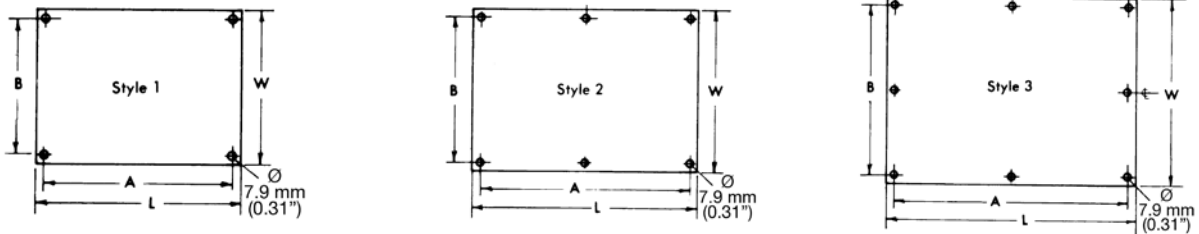
- Class I, Division 1 and 2, Group D
- Class II, Division 1 and 2 Groups E, F, G
- Class III

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 3.3 mm (0.13") thick hot dip galvanized material. Aluminum plates are 3.3 mm (0.13") thick material up to and including 304.8 x 304.8 mm (12 x 12") size. All larger sizes are constructed of 4.8 mm (0.19") thick aluminum plate. The catalog numbers shown in the table below include the mounting buttons.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the catalog number of the box as follows:

Example: Line 1 **YE181204**
 Line 2 **YE-1812-1**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **EXB040404** box would be **WYM-0404-1**. Pricing will be based upon a **WYM-0808-1** price.



| Inside Length and Width of Junction Box in mm (in) | Catalog Number | | Style | Dimension in Millimeters (Inches) | | | |
|--|------------------|-------------------|-------|-----------------------------------|---------------|---------------|---------------|
| | Steel Plates | Aluminum Plates | | L | W | A | B |
| 203.2 x 203.2 (8 x 8) | YE-0808-1 | YE-0808-1A | 1 | 171.5 (6.75) | 171.5 (6.75) | 152.4 (6.00) | 152.4 (6.00) |
| 254.0 x 203.2 (10 x 8) | YE-1008-1 | YE-1008-1A | 1 | 222.3 (8.75) | 171.5 (6.75) | 203.2 (8.00) | 203.2 (8.00) |
| 254.0 x 254.0 (10 x 10) | YE-1010-1 | YE-1010-1A | 1 | 222.3 (8.75) | 222.3 (8.75) | 203.2 (8.00) | 203.2 (8.00) |
| 304.8 x 203.2 (12 x 8) | YE-1208-1 | YE-1208-1A | 1 | 273.1 (10.75) | 171.5 (6.75) | 254.0 (10.00) | 152.4 (6.00) |
| 304.8 x 254.0 (12 x 10) | YE-1210-1 | YE-1210-1A | 1 | 273.1 (10.75) | 222.3 (8.75) | 254.0 (10.00) | 203.2 (8.00) |
| 304.8 x 304.8 (12 x 12) | YE-1212-1 | YE-1212-1A | 1 | 273.1 (10.75) | 273.1 (10.75) | 254.0 (10.00) | 254.0 (10.00) |
| 355.6 x 203.2 (14 x 8) | YE-1408-1 | YE-1408-1A | 1 | 323.9 (12.75) | 171.5 (6.75) | 304.8 (12.00) | 152.4 (6.00) |
| 355.6 x 355.6 (14 x 14) | YE-1414-1 | YE-1414-1A | 1 | 323.9 (12.75) | 323.9 (12.75) | 304.8 (12.00) | 304.8 (12.00) |
| 406.4 x 203.2 (16 x 8) | YE-1608-1 | YE-1608-1A | 1 | 374.7 (14.75) | 171.5 (6.75) | 355.6 (14.00) | 152.4 (6.00) |
| 406.4 x 304.8 (16 x 12) | YE-1612-1 | YE-1612-1A | 1 | 374.7 (14.75) | 273.1 (10.75) | 355.6 (14.00) | 254.0 (10.00) |
| 406.4 x 406.4 (16 x 16) | YE-1616-1 | YE-1616-1A | 1 | 374.7 (14.75) | 374.7 (14.75) | 355.6 (14.00) | 355.6 (14.00) |
| 457.2 x 203.2 (18 x 8) | YE-1808-1 | YE-1808-1A | 1 | 171.5 (16.75) | 171.5 (6.75) | 152.4 (16.00) | 152.4 (6.00) |
| 457.2 x 254.0 (18 x 10) | YE-1810-1 | YE-1810-1A | 1 | 171.5 (16.75) | 222.3 (8.75) | 152.4 (16.00) | 203.2 (8.00) |
| 457.2 x 304.8 (18 x 12) | YE-1812-1 | YE-1812-1A | 1 | 171.5 (16.75) | 273.1 (10.75) | 152.4 (16.00) | 254.0 (10.00) |
| 457.2 x 355.6 (18 x 14) | YE-1814-1 | YE-1814-1A | 1 | 171.5 (16.75) | 323.9 (12.75) | 152.4 (16.00) | 304.8 (12.00) |
| 457.2 x 406.4 (18 x 16) | — | — | — | — | — | — | — |
| 457.2 x 457.2 (18 x 18) | YE-1818-1 | YE-1818-1A | 1 | 171.5 (16.75) | 171.5 (16.75) | 152.4 (16.00) | 152.4 (16.00) |
| 508.0 x 254.0 (20 x 10) | YE-2010-1 | YE-2010-1A | 1 | 222.3 (18.75) | 222.3 (8.75) | 457.2 (18.00) | 203.2 (8.00) |
| 609.6 x 304.8 (24.00 x 12.00) | YE-2412-1 | YE-2412-1A | 2 | 552.5 (21.75) | 247.7 (9.75) | 533.4 (21.00) | 228.6 (9.00) |
| 609.6 x 457.2 (24.00 x 18.00) | YE-2418-1 | YE-2418-1A | 2 | 552.5 (21.75) | 400.1 (15.75) | 533.4 (21.00) | 381.0 (15.00) |
| 609.6 x 609.6 (24.00) x 24.00) | YE-2424-1 | YE-2424-1A | 3 | 552.5 (21.75) | 552.5 (21.75) | 533.4 (21.00) | 533.4 (21.00) |
| 711.2 x 304.8 (28.00 x 12.00) | YE-2812-1 | YE-2812-1A | 2 | 654.1 (25.75) | 247.7 (9.75) | 635.0 (25.00) | 228.6 (9.00) |
| 762.0 x 304.8 (30.00 x 12.00) | YE-3012-1 | YE-3012-1A | 2 | 704.9 (27.75) | 247.7 (9.75) | 685.8 (27.00) | 228.6 (9.00) |
| 762.0 x 457.2 (30.00 x 18.00) | YE-3018-1 | YE-3018-1A | 2 | 704.9 (27.75) | 400.1 (15.75) | 685.8 (27.00) | 381.0 (15.00) |
| 762.0 x 609.6 (30.00 x 24.00) | YE-3024-1 | YE-3024-1A | 3 | 704.9 (27.75) | 552.5 (21.75) | 685.8 (27.00) | 533.4 (21.00) |
| 914.4 x 304.8 (36.00 x 12.00) | YE-3612-1 | YE-3612-1A | 2 | 857.3 (33.75) | 247.7 (9.75) | 838.2 (33.00) | 228.6 (9.00) |
| 914.4 x 457.2 (36.00 x 18.00) | YE-3618-1 | YE-3618-1A | 2 | 857.3 (33.75) | 400.1 (15.75) | 838.2 (33.00) | 381.0 (15.00) |
| 914.4 x 609.6 (36.00 x 24.00) | YE-3624-1 | YE-3624-1A | 3 | 857.3 (33.75) | 552.5 (21.75) | 838.2 (33.00) | 533.4 (21.00) |
| 914.4 x 762.0 (36.00 x 30.00) | YE-3630-1 | YE-3630-1A | 3 | 857.3 (33.75) | 704.9 (27.75) | 838.2 (33.00) | 685.8 (27.00) |
| 914.4 x 914.4 (36.00) x 36.00) | YE-3636-1 | YE-3636-1A | 3 | 857.3 (33.75) | 857.3 (33.75) | 838.2 (33.00) | 838.2 (33.00) |

YE Cast Iron Junction Box Blank Bodies for Drilling and Tapping

Explosionproof, Dust-Ignitionproof. Integrally Cast Mounting Feet

Drilled and tapped openings 1/2" thru 6" as specified.

NEC:

- Class I, Division 1 and 2, Group D
- Class II, Division 1 and 2 Groups E, F, G
- Class III

Determine catalog number as follows:

- (1) Select EXB junction box catalog number
- (2) Select "Conduit Opening Arrangement Diagram" number
- (3) Select symbols that represent conduit opening sizes from "Symbol Table."

Where no opening is required, the symbol 0 must be inserted. Add suffix for other optional features. The various divisions of the complete catalog number should be separated by dashes.

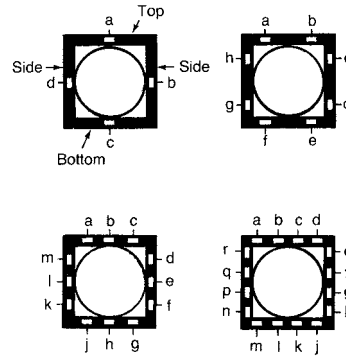
Example:

The junction box selected is **YE181208** with steel mounting plate and the "Conduit Opening Arrangement" is diagram #1. Opening "a" is to be 1/2"; "b", 1-1/4"; "c", no opening needed; and "d", 1-1/2". In this example, the complete catalog number is:

YE181208-1-AD0E-YM-1812-1

Standard Conduit Opening Arrangement Diagrams

Opening "a" is always TOP of box



All Conduit Openings will be located in centerline of walls and evenly spaced unless otherwise specified. If a "Standard Conduit Opening Arrangement" is not suitable for the application, or when openings are to be more accurately spaced, submit Drill and Tap Schedule.

Symbol Table

| Drilling and Tapping (Five Threads Minimum) | | | |
|---|-------|----------|-------|
| Symbol | Size | Symbol | Size |
| O | Blank | F | 2 |
| A | 1/2 | G | 2-1/2 |
| B | 3/4 | H | 3 |
| C | 1 | J | 3-1/2 |
| D | 1-1/4 | K | 4 |
| E | 1-1/2 | L | 5 |
| | | M | 6 |

Minimum Recommended Spacing Between Conduit Openings

Allowance made for clearance over bushings. When unions or seals are used, additional space must be allowed. Table shows minimum distances between conduit-opening centerlines in various size combinations. For example, if 1-1/2" and 3/4" openings are to be drilled and tapped into one side of box, the minimum spacing between centerlines would be 54.1 mm (2.13").

| Conduit Size Inches | Minimum space between conduit opening centerlines in Millimeters (Inches) | | | | | | | | | |
|------------------------|---|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |
| 1/2 | 31.8 (1.25) | | | | | | | | | |
| 3/4 | 35.1 (1.38) | 38.1 (1.50) | | | | | | | | |
| 1 | 39.6 (1.56) | 42.9 (1.69) | 47.8 (1.88) | | | | | | | |
| 1-1/4 | 47.8 (1.88) | 50.8 (2.00) | 55.6 (2.19) | 62.0 (2.44) | | | | | | |
| 1-1/2 | 50.8 (2.00) | 54.1 (2.13) | 58.7 (2.31) | 66.8 (2.63) | 69.9 (2.75) | | | | | |
| 2 | 60.5 (2.38) | 63.5 (2.50) | 68.3 (2.69) | 74.7 (2.94) | 79.5 (3.13) | 87.4 (3.44) | | | | |
| 2-1/2 | 63.5 (2.50) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 82.6 (3.25) | 92.2 (3.63) | 95.3 (3.75) | | | |
| 3 | 73.2 (2.88) | 76.2 (3.00) | 81.0 (3.19) | 87.4 (3.44) | 92.2 (3.63) | 100.1 (3.94) | 104.9 (4.13) | 112.8 (4.44) | | |
| 3-1/2 | 79.5 (3.13) | 82.6 (3.25) | 87.4 (3.44) | 95.3 (3.75) | 98.6 (3.88) | 108.0 (4.25) | 111.3 (4.38) | 120.7 (4.75) | 127.0 (5.00) | |
| 4 | 87.4 (3.44) | 90.4 (3.56) | 95.3 (3.75) | 102.9 (4.05) | 106.4 (4.19) | 115.8 (4.56) | 119.1 (4.69) | 128.5 (5.06) | 134.9 (5.31) | 143.0 (5.63) |

Diameters of Bushings, Unions, Conduit and Seals, in Millimeters (Inches)

| Conduit Size Inches | Diameters of Fittings for 1/2" through 4" Conduit | | | | | | | | | |
|---------------------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |
| BBU Bushing | 26.9 (1.06) | 33.3 (1.31) | 39.6 (1.56) | 49.3 (1.94) | 55.6 (2.19) | 68.3 (2.69) | 81.0 (3.19) | 98.6 (3.88) | 111.3 (4.38) | 124.0 (4.88) |
| BU Bushing | 28.7 (1.13) | 31.8 (1.25) | 41.4 (1.63) | 52.3 (2.06) | 58.7 (2.31) | 74.7 (2.94) | 82.6 (3.25) | 98.6 (3.88) | 115.8 (4.56) | 128.5 (5.06) |
| UNY/UNF (R) Union | 38.1 (1.50) | 44.5 (1.75) | 50.8 (2.00) | 71.4 (2.81) | 77.7 (3.06) | 95.3 (3.75) | 125.5 (4.94) | 138.2 (5.44) | 150.9 (5.94) | 165.1 (6.50) |
| Conduit | 22.4 (0.88) | 26.9 (1.06) | 35.1 (1.38) | 42.9 (1.69) | 49.3 (1.94) | 60.5 (2.38) | 73.2 (2.88) | 88.9 (3.50) | 101.6 (4.00) | 114.3 (4.50) |
| EYM-EYF Seals Turning Radius | 26.9 (1.06) | 30.2 (1.19) | 35.1 (1.38) | 44.5 (1.75) | 52.3 (2.06) | 58.7 (2.31) | 68.3 (2.69) | 79.5 (3.13) | 87.4 (3.44) | 93.7 (3.69) |

YE Series Junction Box Drill and Tap Schedule

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Ordering Information

| CONDUIT POSITION | CHECK ONLY IF FACTORY IS TO LOCATE | | | METAL PLUGS |
|------------------|------------------------------------|--------|--------|-------------|
| | CONDUIT SIZE | X DIM. | D DIM. | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |

* = B&D LOC.

VIEW LOOKING INTO BOX
WITH SIDES LAID DOWN

CHECK LIST

ARE INDICATED CONDUIT SIZES WITHIN THE CATALOG PUBLISHED MAXIMUM ON PAGES K-40 AND K-43?

CHECK FOR MINIMUM SPACING BETWEEN CONDUIT OPENINGS PER CONDUIT SPACING TABLE, ON PAGE K-41.

SIGN NAME TO DWG.

NAME _____

DATE _____

ENCLOSURE FIGURE

ENCLOSURE

* = BREATHER/DRAIN LOC. 1/2" NPT REQUIRED. LOCATION MAY BE SPECIFIED ON THE CHART OR IF BOX IS CHECKED, FACTORY WILL LOCATE IN SIDES A & C.

DIM. X = DISTANCE FROM CENTERLINE TO CENTER OF CONDUIT OPENING.
DIM. D = DISTANCE FROM MTG. SURFACE TO CENTER OF CONDUIT OPENING.

HINGED ENCLOSURES WILL BE HINGED ON SIDE "D" AS STANDARD.

CAUTION: IN PLANNING CONDUIT ARRANGEMENTS, REFER TO "USABLE CONDUIT AREA", SHOWN ON THE APPROPRIATE PRODUCT OUTLINE DRAWINGS AND TO THE CONDUIT SPACING CHARTS.

| | | |
|--|----------------------|-----------|
| | CONDUIT D&T SCHEDULE | |
| | CAT. NO. _____ | REV _____ |

YG Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 9EFG

Applications

- YG dust tight and watertight boxes are specially designed and constructed for hazardous locations where ignitable dusts, fibers or flyings are present such as:
- Grain elevators
- Grain storage areas
- Paper mills
- Coal storage facilities
- Textile factories

Features

- Provided with mounting lugs.
- Mechanically attached gaskets.

Standard Materials

- Bodies and covers: cast iron
- Gasket: vellumoid
- Cover bolts: stainless steel

Standard Finishes

- Cast iron bodies and covers: hot dip galvanized finish

Optional Materials

- Cast aluminum box and cover. Add suffix - **A**.
- For factory installed mounting plate, add suffix -**YM**
- Refer to *Junction Box Mounting Plate Information* for complete listing of available mounting plates.

NEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444



YG Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 9EFG

| Approximate Thickness Side Walls mm (in) | Maximum Conduit Size (In.-NPT) | Inside Dim. in Millimeters (Inches) | | | | | Iron Weight kg (lb) | Aluminum Weight kg (lb) | Catalog Number ① |
|---|---|-------------------------------------|---|---------------|---|---------------|------------------------|----------------------------|---------------------|
| | | L | x | W | x | D | | | |
| 6.4 (0.25) | 3/4 | 101.6 (4.00) | x | 101.6 (4.00) | x | 76.2 (3.00) | 3.2 (7.00) | 0.9 (2.00) | YG-040403 |
| 6.4 (0.25) | 3/4 | 101.6 (4.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 3.6 (8.00) | 1.4 (3.00) | YG-040404 |
| 6.4 (0.25) | 3/4 | 127.0 (5.00) | x | 127.0 (5.00) | x | 101.6 (4.00) | 3.6 (8.00) | 1.4 (3.00) | YG-050504 |
| 6.4 (0.25) | 3/4 | 152.4 (6.00) | x | 101.6 (4.00) | x | 76.2 (3.00) | 3.6 (8.00) | 1.4 (3.00) | YG-060403 |
| 6.4 (0.25) | 3/4 | 152.4 (6.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 3.6 (8.00) | 1.4 (3.00) | YG-060404 |
| 6.4 (0.25) | 3/4 | 152.4 (6.00) | x | 152.4 (6.00) | x | 76.2 (3.00) | 5.0 (11.00) | 1.8 (4.00) | YG-060603 |
| 6.4 (0.25) | 3/4 | 152.4 (6.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 6.8 (15.00) | 2.7 (6.00) | YG-060604 |
| 6.4 (0.25) | 3/4 | 152.4 (6.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 8.2 (18.00) | 3.2 (7.00) | YG-060606 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 101.6 (4.00) | x | 76.2 (3.00) | 5.0 (11.00) | 1.8 (4.00) | YG-080403 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 5.4 (12.00) | 2.3 (5.00) | YG-080404 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 152.4 (6.00) | x | 76.2 (3.00) | 6.8 (15.00) | 2.7 (6.00) | YG-080603 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 7.3 (16.00) | 2.7 (6.00) | YG-080604 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 10.00 (22.00) | 3.6 (8.00) | YG-080606 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 10.9 (24.00) | 4.1 (9.00) | YG-080804 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 13.2 (29.00) | 5.0 (11.00) | YG-080806 |
| 6.4 (0.25) | 3/4 | 203.2 (8.00) | x | 203.2 (8.00) | x | 203.2 (8.00) | 15.0 (33.00) | 5.9 (13.00) | YG-080808 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 10.00 (22.00) | 3.6 (8.00) | YG-100604 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 10.9 (24.00) | 4.1 (9.00) | YG-100606 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 13.2 (29.00) | 5.0 (11.00) | YG-100804 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 15.4 (34.00) | 5.9 (13.00) | YG-100806 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 203.2 (8.00) | x | 203.2 (8.00) | 18.6 (41.00) | 6.8 (15.00) | YG-100808 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 14.1 (31.00) | 5.4 (12.00) | YG-101004 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 254.0 (10.00) | x | 152.4 (6.00) | 17.7 (39.00) | 6.8 (15.00) | YG-101006 |
| 6.4 (0.25) | 3/4 | 254.0 (10.00) | x | 254.0 (10.00) | x | 203.2 (8.00) | 20.4 (45.00) | 8.2 (18.00) | YG-101008 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 101.6 (4.00) | x | 101.6 (4.00) | 10.4 (23.00) | 4.1 (9.00) | YG-120404 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 152.4 (6.00) | x | 101.6 (4.00) | 12.2 (27.00) | 4.5 (10.00) | YG-120604 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 14.5 (32.00) | 5.4 (12.00) | YG-120606 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 14.1 (31.00) | 5.4 (12.00) | YG-120804 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 18.1 (40.00) | 6.8 (15.00) | YG-120806 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 203.2 (8.00) | x | 203.2 (8.00) | 21.8 (48.00) | 8.2 (18.00) | YG-120808 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 254.0 (10.00) | x | 101.6 (4.00) | 20.0 (44.00) | 7.7 (17.00) | YG-121004 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 254.0 (10.00) | x | 152.4 (6.00) | 21.3 (47.00) | 8.2 (18.00) | YG-121006 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 254.0 (10.00) | x | 203.2 (8.00) | 22.7 (50.00) | 8.6 (19.00) | YG-121008 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 304.8 (12.00) | x | 101.6 (4.00) | 20.4 (45.00) | 7.7 (17.00) | YG-121204 |
| 6.4 (0.25) | 3/4 | 304.8 (12.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 24.5 (54.00) | 8.6 (19.00) | YG-121206 |
| 7.9 (0.31) | 2 | 304.8 (12.00) | x | 304.8 (12.00) | x | 177.8 (7.00) | 27.2 (60.00) | 10.0 (22.00) | YG-121207 |
| 7.9 (0.31) | 2 | 304.8 (12.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 29.9 (66.00) | 11.3 (25.00) | YG-121208 |
| 7.9 (0.31) | 2 | 304.8 (12.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 32.7 (72.00) | 12.2 (27.00) | YG-121210 |
| 7.9 (0.31) | 2 | 304.8 (12.00) | x | 304.8 (12.00) | x | 304.8 (12.00) | 37.2 (82.00) | 14.1 (31.00) | YG-121212 |
| 6.4 (0.25) | 3/4 | 101.6 (4.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 15.9 (35.00) | 5.9 (13.00) | YG-140804 |
| 6.4 (0.25) | 3/4 | 101.6 (4.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 18.1 (40.00) | 6.8 (15.00) | YG-140806 |
| 6.4 (0.25) | 3/4 | 101.6 (4.00) | x | 203.2 (8.00) | x | 203.2 (8.00) | 23.6 (52.00) | 9.1 (20.00) | YG-140808 |
| 7.9 (0.31) | 2 | 101.6 (4.00) | x | 101.6 (4.00) | x | 152.4 (6.00) | 34.0 (75.00) | 12.7 (28.00) | YG-141406 |
| 7.9 (0.31) | 2 | 101.6 (4.00) | x | 101.6 (4.00) | x | 203.2 (8.00) | 38.6 (85.00) | 14.5 (32.00) | YG-141408 |

① Type YG boxes must have a minimum of 3-1/2 full threads at all conduit entrances. The "Max. Conduit Size" listed herein indicates the maximum drilled and tapped conduit entrance which can be machined into the four unbossed sides of a given box to provide these 3-1/2 full threads. If larger conduit openings than those listed herein are required, bosses can be supplied by us at an additional cost to provide the minimum 3-1/2 full thread requirement. In addition to the minimum 3-1/2 full thread requirement, the length of thread at conduit entrances must also be at least 1/4". A 3/8" conduit entrance therefore requires a minimum of a 6.4 mm (0.25") wall thickness. For aluminum box and cover, add suffix A.

YG Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 9EFG

| Approximate Thickness Side Walls mm (in) | Maximum Conduit Size (In.-NPT) | Inside Dim. in Millimeters (Inches) | | | | | Iron Weight kg (lb) | Aluminum Weight kg (lb) | Catalog Number ① |
|--|--------------------------------|-------------------------------------|---|---------------|---|---------------|---------------------|-------------------------|------------------|
| | | L | x | W | x | D | | | |
| 7.9 (0.31) | 2 | 355.6 (14.00) | x | 355.6 (14.00) | x | 254.0 (10.00) | 41.7 (92.00) | 15.4 (34.00) | YG-141410 |
| 7.1 (0.28) | 3/4 | 406.4 (16.00) | x | 304.8 (12.00) | x | 101.6 (4.00) | 28.1 (62.00) | 10.4 (23.00) | YG-161204 |
| 7.1 (0.28) | 3/4 | 406.4 (16.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 33.1 (73.00) | 12.2 (27.00) | YG-161206 |
| 7.1 (0.28) | 3/4 | 406.4 (16.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 36.7 (81.00) | 13.6 (30.00) | YG-161208 |
| 7.9 (0.31) | 2 | 406.4 (16.00) | x | 406.4 (16.00) | x | 152.4 (6.00) | 45.4 (100.00) | 16.8 (37.00) | YG-161606 |
| 7.1 (0.28) | 3/4 | 457.2 (18.00) | x | 152.4 (6.00) | x | 152.4 (6.00) | 22.7 (50.00) | 8.6 (19.00) | YG-180606 |
| 7.1 (0.28) | 3/4 | 457.2 (18.00) | x | 203.2 (8.00) | x | 101.6 (4.00) | 23.6 (52.00) | 9.1 (20.00) | YG-180804 |
| 7.1 (0.28) | 3/4 | 457.2 (18.00) | x | 203.2 (8.00) | x | 152.4 (6.00) | 25.9 (57.00) | 9.5 (21.00) | YG-180806 |
| 6.4 (0.25) | 3/4 | 457.2 (18.00) | x | 304.8 (12.00) | x | 101.6 (4.00) | 27.7 (61.00) | 10.4 (23.00) | YG-181204 |
| 7.1 (0.28) | 3/4 | 457.2 (18.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 37.2 (82.00) | 14.1 (31.00) | YG-181206 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 44.0 (97.00) | 16.3 (36.00) | YG-181208 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 304.8 (12.00) | x | 254.0 (10.00) | 48.5 (107.00) | 18.1 (40.00) | YG-181210 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 304.8 (12.00) | x | 304.8 (12.00) | 56.7 (125.00) | 21.3 (47.00) | YG-181212 |
| 8.6 (0.34) | 2 | 457.2 (18.00) | x | 304.8 (12.00) | x | 457.2 (18.00) | 77.6 (171.00) | 29.0 (64.00) | YG-181218 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 457.2 (18.00) | x | 152.4 (6.00) | 59.0 (130.00) | 21.8 (48.00) | YG-181806 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 457.2 (18.00) | x | 203.2 (8.00) | 64.0 (141.00) | 23.6 (52.00) | YG-181808 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 457.2 (18.00) | x | 254.0 (10.00) | 70.8 (156.00) | 26.3 (58.00) | YG-181810 |
| 7.9 (0.31) | 2 | 457.2 (18.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 82.1 (181.00) | 30.4 (67.00) | YG-181812 |
| 7.9 (0.31) | 2 | 609.6 (24.00) | x | 304.8 (12.00) | x | 152.4 (6.00) | 47.6 (105.00) | 17.7 (39.00) | YG-241206 |
| 7.9 (0.31) | 2 | 609.6 (24.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 56.7 (125.00) | 21.3 (47.00) | YG-241208 |
| 7.9 (0.31) | 2 | 609.6 (24.00) | x | 304.8 (12.00) | x | 304.8 (12.00) | 72.6 (160.00) | 27.2 (60.00) | YG-241212 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 457.2 (18.00) | x | 152.4 (6.00) | 74.8 (165.00) | 27.7 (61.00) | YG-241806 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 457.2 (18.00) | x | 203.2 (8.00) | 79.4 (175.00) | 29.5 (65.00) | YG-241808 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 457.2 (18.00) | x | 254.0 (10.00) | 86.2 (190.00) | 31.8 (70.00) | YG-241810 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 106.6 (235.00) | 39.5 (87.00) | YG-241812 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 609.6 (24.00) | x | 152.4 (6.00) | 102.1 (225.00) | 38.1 (84.00) | YG-242406 |
| 8.6 (0.34) | 2 | 609.6 (24.00) | x | 609.6 (24.00) | x | 203.2 (8.00) | 106.6 (235.00) | 39.5 (87.00) | YG-242408 |
| 9.7 (0.38) | 2 | 609.6 (24.00) | x | 609.6 (24.00) | x | 254.0 (10.00) | 117.9 (260.00) | 43.5 (96.00) | YG-242410 |
| 9.7 (0.38) | 2 | 609.6 (24.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 136.1 (300.00) | 50.3 (111.00) | YG-242412 |
| 9.7 (0.38) | 2 | 711.2 (28.00) | x | 304.8 (12.00) | x | 203.2 (8.00) | 68.0 (150.00) | 25.4 (56.00) | YG-281208 |
| 9.7 (0.38) | 2 | 711.2 (28.00) | x | 304.8 (12.00) | x | 304.8 (12.00) | 83.9 (185.00) | 31.3 (69.00) | YG-281212 |
| 9.7 (0.38) | 2 | 762.0 (30.00) | x | 609.6 (24.00) | x | 203.2 (8.00) | 140.6 (310.00) | 52.2 (115.00) | YG-302408 |
| 9.7 (0.38) | 2 | 762.0 (30.00) | x | 609.6 (24.00) | x | 254.0 (10.00) | 152.0 (335.00) | 56.2 (124.00) | YG-302410 |
| 9.7 (0.38) | 2 | 762.0 (30.00) | x | 609.6 (24.00) | x | 304.8 (12.00) | 163.3 (360.00) | 60.8 (134.00) | YG-302412 |
| 9.7 (0.38) | 2 | 762.0 (30.00) | x | 609.6 (24.00) | x | 457.2 (18.00) | 217.7 (480.00) | 72.1 (159.00) | YG-302418 |
| 9.7 (0.38) | 2 | 914.4 (36.00) | x | 457.2 (18.00) | x | 152.4 (6.00) | 111.1 (245.00) | 41.3 (91.00) | YG-361806 |
| 9.7 (0.38) | 2 | 914.4 (36.00) | x | 457.2 (18.00) | x | 203.2 (8.00) | 163.3 (360.00) | 43.5 (96.00) | YG-361808 |
| 9.7 (0.38) | 2 | 914.4 (36.00) | x | 457.2 (18.00) | x | 304.8 (12.00) | 158.8 (350.00) | 59.0 (130.00) | YG-361812 |
| 9.7 (0.38) | 2 | 914.4 (36.00) | x | 457.2 (18.00) | x | 457.2 (18.00) | 249.5 (550.00) | 94.8 (209.00) | YG-361818 |
| 10.4 (0.41) | 2 | 914.4 (36.00) | x | 609.6 (24.00) | x | 457.2 (18.00) | 294.8 (650.00) | 111.1 (245.00) | YG-362418 |
| 11.2 (0.44) | 5 | 914.4 (36.00) | x | 914.4 (36.00) | x | 203.2 (8.00) | 220.0 (485.00) | 83.5 (184.00) | YG-363608 |
| 11.2 (0.44) | 6 | 914.4 (36.00) | x | 914.4 (36.00) | x | 304.8 (12.00) | 240.4 (530.00) | 90.7 (200.00) | YG-363612 |
| 11.2 (0.44) | 6 | 914.4 (36.00) | x | 914.4 (36.00) | x | 457.2 (18.00) | 385.6 (850.00) | 142.9 (315.00) | YG-363618 |

① Type YG boxes must have a minimum of 3-1/2 full threads at all conduit entrances. The "Max. Conduit Size" listed herein indicates the maximum drilled and tapped conduit entrance which can be machined into the four unbossed sides of a given box to provide these 3-1/2 full threads. If larger conduit openings than those listed herein are required, bosses can be supplied by us at an additional cost to provide the minimum 3-1/2 full thread requirement. In addition to the minimum 3-1/2 full thread requirement, the length of thread at conduit entrances must also be at least 1/4". A 3/8" conduit entrance therefore requires a minimum of a 6.4 mm (0.25") wall thickness. For aluminum box and cover, add suffix A.

YG Series Junction Box Mounting Plate Information

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 9EFG

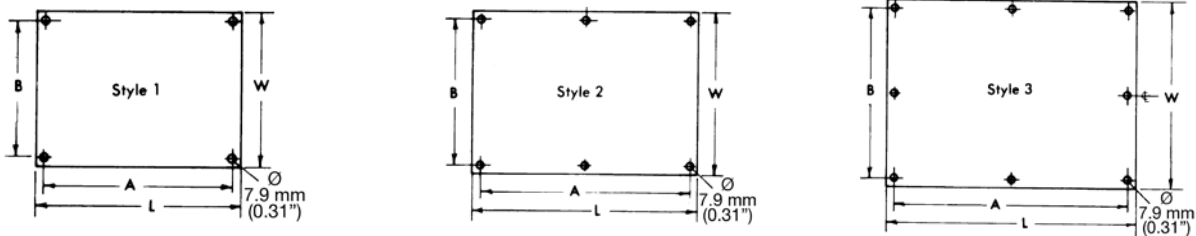
Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 3.3 mm (0.13") thick hot dip galvanized material. Aluminum plates are 3.3 mm (0.13") thick material up to and including 304.8 x 304.8 mm (12 x 12") size. All larger sizes are constructed of 4.8 mm (0.19") thick aluminum plate. The catalog numbers shown in the table below include the mounting buttons.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the catalog number of the box as follows:

Example: Line 1 **YG-181204**

Line 2 **YG-1812-1**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **DTX-040404** box would be **WYM-0404-1**. Pricing will be based upon a **WYM-0808-1** price.



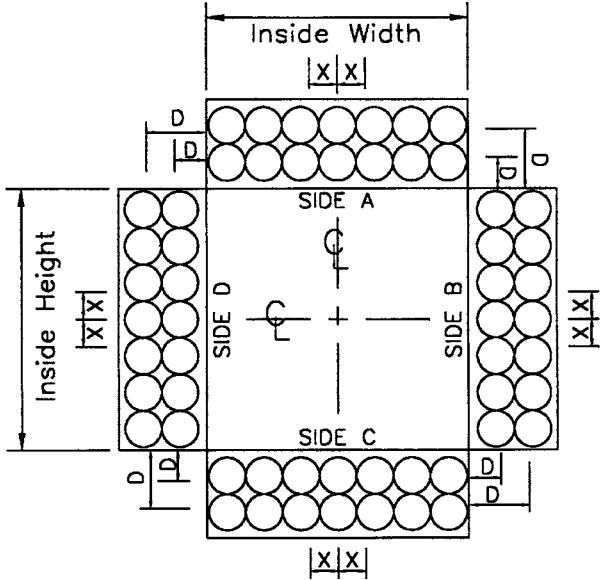
| Inside Length and Width of Junction Box in mm (in) | Catalog Number | | Style | Dimension in Millimeters (Inches) | | | |
|--|----------------|-----------------|-------|-----------------------------------|---------------|---------------|---------------|
| | Steel Plates | Aluminum Plates | | L | W | A | B |
| 203.2 x 203.2 (8 x 8) | YG-0808-1 | YG-0808-1A | 1 | 171.5 (6.75) | 171.5 (6.75) | 152.4 (6.00) | 152.4 (6.00) |
| 254.0 x 203.2 (10 x 8) | YG-1008-1 | YG-1008-1A | 1 | 222.3 (8.75) | 171.5 (6.75) | 203.2 (8.00) | 203.2 (8.00) |
| 254.0 x 254.0 (10 x 10) | YG-1010-1 | YG-1010-1A | 1 | 222.3 (8.75) | 222.3 (8.75) | 203.2 (8.00) | 203.2 (8.00) |
| 304.8 x 203.2 (12 x 8) | YG-1208-1 | YG-1208-1A | 1 | 273.1 (10.75) | 171.5 (6.75) | 254.0 (10.00) | 152.4 (6.00) |
| 304.8 x 254.0 (12 x 10) | YG-1210-1 | YG-1210-1A | 1 | 273.1 (10.75) | 222.3 (8.75) | 254.0 (10.00) | 203.2 (8.00) |
| 304.8 x 304.8 (12 x 12) | YG-1212-1 | YG-1212-1A | 1 | 273.1 (10.75) | 273.1 (10.75) | 254.0 (10.00) | 254.0 (10.00) |
| 355.6 x 203.2 (14 x 8) | YG-1408-1 | YG-1408-1A | 1 | 323.9 (12.75) | 171.5 (6.75) | 304.8 (12.00) | 152.4 (6.00) |
| 355.6 x 355.6 (14 x 14) | YG-1414-1 | YG-1414-1A | 1 | 323.9 (12.75) | 323.9 (12.75) | 304.8 (12.00) | 304.8 (12.00) |
| 406.4 x 203.2 (16 x 8) | YG-1608-1 | YG-1608-1A | 1 | 374.7 (14.75) | 171.5 (6.75) | 355.6 (14.00) | 152.4 (6.00) |
| 406.4 x 304.8 (16 x 12) | YG-1612-1 | YG-1612-1A | 1 | 374.7 (14.75) | 273.1 (10.75) | 355.6 (14.00) | 254.0 (10.00) |
| 406.4 x 406.4 (16 x 16) | YG-1616-1 | YG-1616-1A | 1 | 374.7 (14.75) | 374.7 (14.75) | 355.6 (14.00) | 355.6 (14.00) |
| 457.2 x 203.2 (18 x 8) | YG-1808-1 | YG-1808-1A | 1 | 171.5 (16.75) | 171.5 (6.75) | 152.4 (16.00) | 152.4 (6.00) |
| 457.2 x 254.0 (18 x 10) | YG-1810-1 | YG-1810-1A | 1 | 171.5 (16.75) | 222.3 (8.75) | 406.4 (16.00) | 203.2 (8.00) |
| 457.2 x 304.8 (18 x 12) | YG-1812-1 | YG-1812-1A | 1 | 171.5 (16.75) | 273.1 (10.75) | 406.4 (16.00) | 254.0 (10.00) |
| 457.2 x 355.6 (18 x 14) | YG-1814-1 | YG-1814-1A | 1 | 171.5 (16.75) | 323.9 (12.75) | 406.4 (16.00) | 304.8 (12.00) |
| 457.2 x 406.4 (18 x 16) | — | — | — | — | — | — | — |
| 457.2 x 457.2 (18 x 18) | YG-1818-1 | YG-1818-1A | 1 | 171.5 (16.75) | 171.5 (16.75) | 406.4 (16.00) | 406.4 (16.00) |
| 508.0 x 254.0 (20 x 10) | YG-2010-1 | YG-2010-1A | 1 | 222.3 (18.75) | 222.3 (8.75) | 457.2 (18.00) | 203.2 (8.00) |
| 609.6 x 304.8 (24.00 x 12.00) | YG-2412-1 | YG-2412-1A | 2 | 552.5 (21.75) | 247.7 (9.75) | 533.4 (21.00) | 228.6 (9.00) |
| 609.6 x 457.2 (24.00 x 18.00) | YG-2418-1 | YG-2418-1A | 2 | 552.5 (21.75) | 400.1 (15.75) | 533.4 (21.00) | 381.0 (15.00) |
| 609.6 x 609.6 (24.00 x 24.00) | YG-2424-1 | YG-2424-1A | 3 | 552.5 (21.75) | 552.5 (21.75) | 533.4 (21.00) | 533.4 (21.00) |
| 711.2 x 304.8 (28.00 x 12.00) | YG-2812-1 | YG-2812-1A | 2 | 654.1 (25.75) | 247.7 (9.75) | 635.0 (25.00) | 228.6 (9.00) |
| 762.0 x 304.8 (30.00 x 12.00) | YG-3012-1 | YG-3012-1A | 2 | 704.9 (27.75) | 247.7 (9.75) | 685.8 (27.00) | 228.6 (9.00) |
| 762.0 x 457.2 (30.00 x 18.00) | YG-3018-1 | YG-3018-1A | 2 | 704.9 (27.75) | 400.1 (15.75) | 685.8 (27.00) | 381.0 (15.00) |
| 762.0 x 609.6 (30.00 x 24.00) | YG-3024-1 | YG-3024-1A | 3 | 704.9 (27.75) | 552.5 (21.75) | 685.8 (27.00) | 533.4 (21.00) |
| 914.4 x 304.8 (36.00 x 12.00) | YG-3612-1 | YG-3612-1A | 2 | 857.3 (33.75) | 247.7 (9.75) | 838.2 (33.00) | 228.6 (9.00) |
| 914.4 x 457.2 (36.00 x 18.00) | YG-3618-1 | YG-3618-1A | 2 | 857.3 (33.75) | 400.1 (15.75) | 838.2 (33.00) | 381.0 (15.00) |
| 914.4 x 609.6 (36.00 x 24.00) | YG-3624-1 | YG-3624-1A | 3 | 857.3 (33.75) | 552.5 (21.75) | 838.2 (33.00) | 533.4 (21.00) |
| 914.4 x 762.0 (36.00 x 30.00) | YG-3630-1 | YG-3630-1A | 3 | 857.3 (33.75) | 704.9 (27.75) | 838.2 (33.00) | 685.8 (27.00) |
| 914.4 x 914.4 (36.00 x 36.00) | YG-3636-1 | YG-3636-1A | 3 | 857.3 (33.75) | 857.3 (33.75) | 838.2 (33.00) | 838.2 (33.00) |

YG Series Junction Box Drill and Tap Schedule

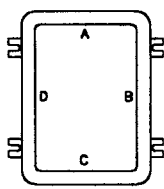
Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Ordering Information

| CONDUIT POSITION | CHECK ONLY IF FACTORY IS TO LOCATE | | | METAL PLUGS | <p>* = B&D LOC.</p>  <p>VIEW LOOKING INTO BOX WITH SIDES LAID DOWN</p> | CHECK LIST |
|------------------|------------------------------------|--------|--------|-------------|---|------------|
| | CONDUIT SIZE | X DIM. | D DIM. | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
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| 5 | | | | | | |
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| 10 | | | | | | |
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| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |

ENCLOSURE FIGURE



ENCLOSURE

* = BREATHER/DRAIN LOC. 1/2" NPT REQUIRED. LOCATION MAY BE SPECIFIED ON THE CHART OR IF BOX IS CHECKED, FACTORY WILL LOCATE IN SIDES A & C.

DIM. X = DISTANCE FROM CENTERLINE TO CENTER OF CONDUIT OPENING.
 DIM. D = DISTANCE FROM MTG. SURFACE TO CENTER OF CONDUIT OPENING.

HINGED ENCLOSURES WILL BE HINGED ON SIDE "D" AS STANDARD.

CAUTION: IN PLANNING CONDUIT ARRANGEMENTS, REFER TO "USABLE CONDUIT AREA", SHOWN ON THE APPROPRIATE PRODUCT OUTLINE DRAWINGS AND TO THE CONDUIT SPACING CHARTS.

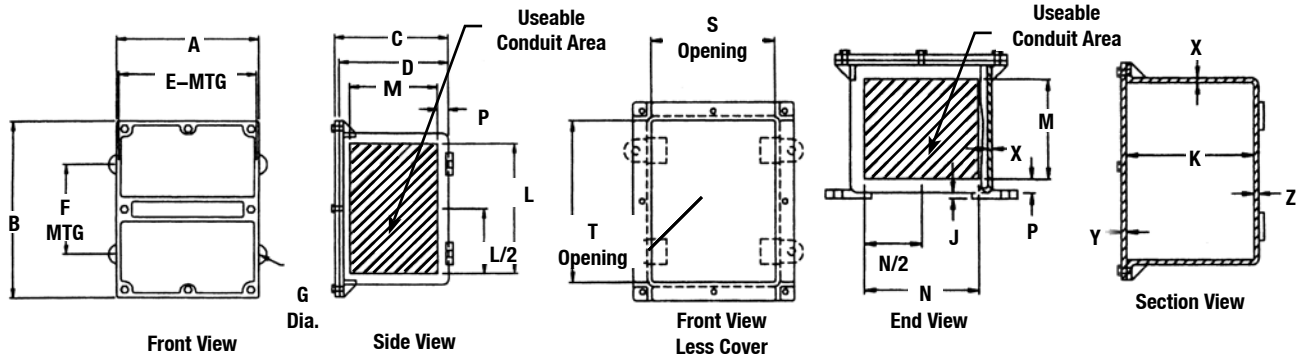
| | | |
|--|----------------------|-----------|
| | CONDUIT D&T SCHEDULE | |
| | CAT. NO. _____ | REV _____ |

YG Series Junction Box Dimensions

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Outside Flange Dimensional Data in Millimeters (Inches)



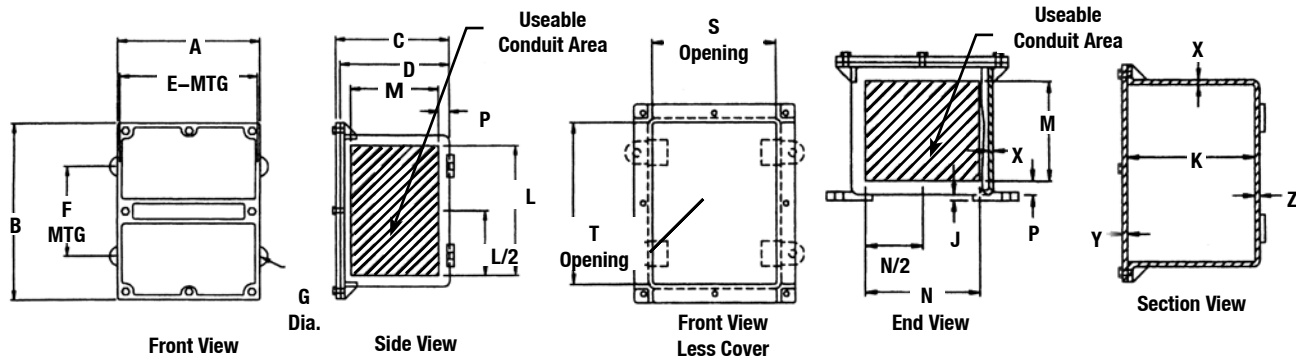
| Overall Enclosure | | | | Mounting Enclosure | | | Mounting Thickness | Depth | Conduit Area | | | | Clear Opening | | Wall Thickness | | | Catalog Number |
|-------------------|-----------------|-----------------|-----------------|--------------------|-----------------|---------------|--------------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|---------------|---------------|----------------|
| A | B | C | D | E | F | G | J | K | L | M | N | P | S | T | X | Y | Z | |
| 141.2 (5.56) | 141.2 (5.56) | 84.8 (3.34) | 80.3 (3.16) | 141.2 (5.56) | 76.2 (3.00) | 7.9 (0.31) | 3.3 (0.13) | 76.2 (3.00) | 88.9 (3.50) | 58.7 (2.31) | 88.9 (3.50) | 11.2 (0.44) | 101.6 (4.00) | 101.6 (4.00) | 4.1 (0.16) | 4.8 (0.19) | 4.1 (0.16) | YG-040403 |
| 141.2 (5.56) | 141.2 (5.56) | 110.2 (4.34) | 105.7 (4.16) | 141.2 (5.56) | 101.6 (4.00) | 7.9 (0.31) | 3.3 (0.13) | 101.6 (4.00) | 88.9 (3.50) | 58.7 (2.31) | 88.9 (3.50) | 11.2 (0.44) | 101.6 (4.00) | 101.6 (4.00) | 4.1 (0.16) | 4.8 (0.19) | 4.1 (0.16) | YG-040404 |
| 173.0 (6.81) | 173.0 (6.81) | 111.3 (4.38) | 106.4 (4.19) | 165.1 (6.50) | 101.6 (4.00) | 7.9 (0.31) | 3.3 (0.13) | 101.6 (4.00) | 114.3 (4.50) | 84.1 (3.31) | 88.9 (3.50) | 11.2 (0.44) | 127.0 (5.00) | 127.0 (5.00) | 4.8 (0.19) | 4.8 (0.19) | 4.8 (0.19) | YG-050504 |
| 141.2 (5.56) | 192.0 (7.56) | 84.8 (3.34) | 80.3 (3.16) | 136.7 (5.38) | 127.0 (5.00) | 7.9 (0.31) | 3.3 (0.13) | 76.2 (3.00) | 139.7 (5.50) | 58.7 (2.31) | 88.9 (3.50) | 11.2 (0.44) | 101.6 (4.00) | 152.4 (6.00) | 4.1 (0.16) | 4.8 (0.19) | 4.1 (0.16) | YG-060403 |
| 141.2 (5.56) | 192.0 (7.56) | 110.2 (4.34) | 105.7 (4.16) | 136.7 (5.38) | 127.0 (5.00) | 7.9 (0.31) | 3.3 (0.13) | 76.2 (3.00) | 139.7 (5.50) | 84.1 (3.31) | 88.9 (3.50) | 11.2 (0.44) | 101.6 (4.00) | 152.4 (6.00) | 4.1 (0.16) | 4.8 (0.19) | 4.1 (0.16) | YG-060404 |
| 198.4 (7.81) | 198.4 (7.81) | 85.9 (3.38) | 81.0 (3.19) | 190.5 (7.50) | 101.6 (4.00) | 9.7 (0.38) | 6.4 (0.25) | 76.2 (3.00) | 139.7 (5.50) | 57.2 (2.25) | 139.7 (5.50) | 11.2 (0.44) | 152.4 (6.00) | 152.4 (6.00) | 4.8 (0.19) | 4.8 (0.19) | 4.8 (0.19) | YG-060603 |
| 198.4 (7.81) | 198.4 (7.81) | 112.0 (4.41) | 107.2 (4.22) | 190.5 (7.50) | 101.6 (4.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 139.7 (5.50) | 82.6 (3.25) | 139.7 (5.50) | 11.2 (0.44) | 152.4 (6.00) | 152.4 (6.00) | 5.6 (0.22) | 4.8 (0.19) | 5.6 (0.22) | YG-060604 |
| 198.4 (7.81) | 198.4 (7.81) | 162.8 (6.41) | 158.0 (6.22) | 190.5 (7.50) | 101.6 (4.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 139.7 (5.50) | 158.8 (6.25) | 139.7 (5.50) | 11.2 (0.44) | 152.4 (6.00) | 152.4 (6.00) | 4.8 (0.19) | 4.8 (0.19) | 4.8 (0.19) | YG-060606 |
| 147.6 (5.81) | 249.2 (9.81) | 87.4 (3.44) | 81.0 (3.19) | 139.7 (5.50) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 76.2 (3.00) | 190.5 (7.50) | 57.2 (2.25) | 88.9 (3.50) | 11.9 (0.47) | 101.6 (4.00) | 203.2 (8.00) | 4.8 (0.19) | 6.4 (0.25) | 4.8 (0.19) | YG-080403 |
| 147.6 (5.81) | 249.2 (9.81) | 112.8 (4.44) | 106.4 (4.19) | 139.7 (5.50) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 190.5 (7.50) | 82.6 (3.25) | 88.9 (3.50) | 11.9 (0.47) | 101.6 (4.00) | 203.2 (8.00) | 4.8 (0.19) | 6.4 (0.25) | 4.8 (0.19) | YG-080404 |
| 198.4 (7.81) | 249.2 (9.81) | 88.1 (3.47) | 81.8 (3.22) | 193.8 (7.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 76.2 (3.00) | 190.5 (7.50) | 57.2 (2.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080603 |
| 198.4 (7.81) | 249.2 (9.81) | 113.5 (4.47) | 107.2 (4.22) | 193.8 (7.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 190.5 (7.50) | 82.6 (3.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080404 |
| 198.4 (7.81) | 249.2 (9.81) | 164.3 (6.47) | 158.0 (6.22) | 193.8 (7.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 190.5 (7.50) | 133.4 (5.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080606 |

YG Series Junction Box Dimensions

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Outside Flange Dimensional Data in Millimeters (Inches)



| Overall Enclosure | | | | Mounting Enclosure | | | Mounting Thickness | Depth | Conduit Area | | | | Clear Opening | | Wall Thickness | | | Catalog Number |
|-------------------|--------------------|-------------------|-----------------|--------------------|-----------------|----------------|--------------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|------------------|----------------|---------------|---------------|----------------|
| A | B | C | D | E | F | G | | | J | K | L | M | N | P | S | T | X | |
| 249.2 (9.81) | 249.2 (9.81) | 113.5 (4.47) | 107.2 (4.22) | 244.6 (9.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 190.5 (7.50) | 82.6 (3.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080804 |
| 249.2 (9.81) | 249.2 (9.81) | 164.3 (6.47) | 158.0 (6.22) | 244.6 (9.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 190.5 (7.50) | 133.4 (5.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080806 |
| 249.2 (9.81) | 249.2 (9.81) | 215.1 (8.47) | 208.8 (8.22) | 244.6 (9.63) | 127.0 (5.00) | 9.7 (0.38) | 6.4 (0.25) | 203.2 (8.00) | 187.5 (7.38) | 184.2 (7.25) | 187.5 (7.38) | 12.7 (0.50) | 203.2 (8.00) | 203.2 (8.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-080808 |
| 198.4 (7.81) | 300.0 (11.81) | 113.5 (4.47) | 107.2 (4.22) | 193.8 (7.63) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 241.3 (9.50) | 82.6 (3.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 254.0 (10.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-010604 |
| 198.4 (7.81) | 300.0 (11.81) | 164.3 (6.47) | 158.0 (6.22) | 193.8 (7.63) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 241.3 (9.50) | 133.4 (5.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 254.0 (10.00) | 5.6 (0.22) | 6.4 (0.25) | 5.6 (0.22) | YG-100606 |
| 255.5 (10.06) | 325.4 (12.81) | 1029.5 (40.53) | 108.0 (4.25) | 2305.1 (90.75) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 241.3 (9.50) | 82.6 (3.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-100804 |
| 255.5 (10.06) | 3049.5 (120.06) | 215.1 (8.47) | 158.8 (6.25) | 2305.1 (90.75) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 241.3 (9.50) | 133.4 (5.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-100806 |
| 255.5 (10.06) | 3049.5 (120.06) | 2045.5 (80.53) | 209.6 (8.25) | 2305.1 (90.75) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 203.2 (8.00) | 238.3 (9.38) | 184.2 (7.25) | 187.5 (7.38) | 12.7 (0.50) | 203.2 (8.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-100808 |
| 255.5 (10.06) | 3049.5 (120.06) | 1029.5 (40.53) | 108.0 (4.25) | 295.4 (11.63) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 241.3 (9.50) | 82.6 (3.25) | 241.3 (9.50) | 12.7 (0.50) | 254.0 (10.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-101004 |
| 255.5 (10.06) | 3049.5 (120.06) | 1537.5 (60.53) | 158.8 (6.25) | 295.4 (11.63) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 152.4 (6.00) | 241.3 (9.50) | 133.4 (5.25) | 241.3 (9.50) | 12.7 (0.50) | 254.0 (10.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-101006 |
| 306.3 (12.06) | 3049.5 (120.06) | 2045.5 (80.53) | 209.6 (8.25) | 295.4 (11.63) | 177.8 (7.00) | 9.7 (0.38) | 6.4 (0.25) | 203.2 (8.00) | 238.3 (9.38) | 184.2 (7.25) | 238.3 (9.38) | 12.7 (0.50) | 254.0 (10.00) | 254.0 (10.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-101008 |
| 153.9 (6.06) | 3557.5 (140.06) | 114.3 (4.50) | 108.0 (4.25) | 136.7 (5.38) | 203.2 (8.00) | 9.7 (0.38) | 6.4 (0.25) | 101.6 (4.00) | 292.1 (11.50) | 82.6 (3.25) | 88.9 (3.50) | 12.7 (0.50) | 101.6 (4.00) | 304.8 (12.00) | 6.4 (0.25) | 6.4 (0.25) | 6.4 (0.25) | YG-120404 |
| 204.7 (8.06) | 3557.5 (140.06) | 1029.5 (40.53) | 108.0 (4.25) | 212.9 (8.38) | 203.2 (8.00) | 11.2 (0.44) | 6.4 (0.25) | 101.6 (4.00) | 292.1 (11.50) | 82.6 (3.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-120604 |
| 204.7 (8.06) | 3557.5 (140.06) | 1537.5 (60.53) | 158.8 (6.25) | 212.9 (8.38) | 203.2 (8.00) | 11.2 (0.44) | 6.4 (0.25) | 152.4 (6.00) | 292.1 (11.50) | 133.4 (5.25) | 139.7 (5.50) | 12.7 (0.50) | 152.4 (6.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-120606 |

YG Series Junction Box Dimensions

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Outside Flange Dimensional Data in Millimeters (Inches)

| Overall Enclosure | | | | Mounting Enclosure | | | Mounting Thickness | Depth | Conduit Area | | | | Clear Opening | | Wall Thickness | | | Catalog Number |
|-------------------|------------------|------------------|------------------|--------------------|------------------|----------------|--------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|----------------|---------------|---------------|----------------|
| A | B | C | D | E | F | G | J | K | L | M | N | P | S | T | X | Y | Z | |
| 255.5 (10.06) | 357.1 (14.06) | 115.0 (4.53) | 108.0 (4.25) | 263.7 (10.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 292.1 (11.50) | 82.6 (3.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-120804 |
| 255.5 (10.06) | 357.1 (14.06) | 165.9 (6.53) | 158.8 (6.25) | 263.7 (10.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 292.1 (11.50) | 113.4 (5.25) | 190.5 (7.50) | 12.7 (0.50) | 203.2 (8.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-120806 |
| 255.5 (10.06) | 357.1 (14.06) | 216.7 (8.53) | 209.6 (8.25) | 263.7 (10.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 289.1 (11.38) | 184.2 (7.25) | 187.5 (7.38) | 12.7 (0.50) | 203.2 (8.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-120808 |
| 306.3 (12.06) | 357.1 (14.06) | 115.0 (4.53) | 108.0 (4.25) | 314.5 (12.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 292.1 (11.50) | 82.6 (3.25) | 241.3 (9.50) | 12.7 (0.50) | 254.0 (10.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-121004 |
| 306.3 (12.06) | 357.1 (14.06) | 165.9 (6.53) | 158.8 (6.25) | 314.5 (12.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 292.1 (11.50) | 113.4 (5.25) | 241.3 (9.50) | 12.7 (0.50) | 254.0 (10.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-121006 |
| 306.3 (12.06) | 357.1 (14.06) | 216.7 (8.53) | 209.6 (8.25) | 314.5 (12.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 292.1 (11.50) | 184.2 (7.25) | 238.3 (9.38) | 12.7 (0.50) | 254.0 (10.00) | 304.8 (12.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-121008 |
| 357.1 (14.06) | 357.1 (14.06) | 115.8 (4.56) | 108.0 (4.25) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 289.1 (11.38) | 81.0 (3.19) | 292.1 (11.50) | 12.7 (0.50) | 304.8 (12.00) | 304.8 (12.00) | 6.4 (0.25) | 7.9 (0.31) | 6.4 (0.25) | YG-121204 |
| 357.1 (14.06) | 357.1 (14.06) | 166.6 (6.56) | 158.8 (6.25) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 127.0 (5.00) | 292.1 (11.50) | 131.8 (5.19) | 292.1 (11.50) | 12.7 (0.50) | 304.8 (12.00) | 304.8 (12.00) | 6.4 (0.25) | 7.9 (0.31) | 6.4 (0.25) | YG-121206 |
| 357.1 (14.06) | 357.1 (14.06) | 193.8 (7.63) | 185.7 (7.31) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 177.8 (7.00) | 289.1 (11.38) | 157.2 (6.19) | 289.1 (11.38) | 14.2 (0.56) | 304.8 (12.00) | 304.8 (12.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-121207 |
| 357.1 (14.06) | 357.1 (14.06) | 219.2 (8.63) | 211.1 (8.31) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 289.1 (11.38) | 182.6 (7.19) | 289.1 (11.38) | 14.2 (0.56) | 304.8 (12.00) | 304.8 (12.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-121208 |
| 357.1 (14.06) | 357.1 (14.06) | 270.0 (10.63) | 261.9 (10.31) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 254.0 (10.00) | 285.8 (11.25) | 233.4 (9.19) | 285.8 (11.25) | 14.2 (0.56) | 304.8 (12.00) | 304.8 (12.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-121210 |
| 357.1 (14.06) | 357.1 (14.06) | 320.8 (12.63) | 312.7 (12.31) | 365.3 (14.38) | 203.2 (8.00) | 10.9 (0.43) | 9.7 (0.38) | 304.8 (12.00) | 285.8 (11.25) | 284.2 (11.19) | 285.8 (11.25) | 14.2 (0.56) | 304.8 (12.00) | 304.8 (12.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-121212 |
| 255.5 (10.06) | 407.9 (16.06) | 115.0 (4.53) | 108.0 (4.25) | 263.7 (10.38) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 336.6 (13.25) | 76.2 (3.00) | 184.2 (7.25) | 16.0 (0.63) | 203.2 (8.00) | 355.6 (14.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-140804 |
| 255.5 (10.06) | 407.9 (16.06) | 165.9 (6.53) | 158.8 (6.25) | 263.7 (10.38) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 336.6 (13.25) | 127.0 (5.00) | 184.2 (7.25) | 16.0 (0.63) | 203.2 (8.00) | 355.6 (14.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-140806 |
| 255.5 (10.06) | 407.9 (16.06) | 216.7 (8.53) | 209.6 (8.25) | 263.7 (10.38) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 333.5 (13.13) | 177.8 (7.00) | 181.1 (7.13) | 16.0 (0.63) | 203.2 (8.00) | 355.6 (14.00) | 6.4 (0.25) | 7.1 (0.28) | 6.4 (0.25) | YG-140808 |
| 422.4 (16.63) | 422.4 (16.63) | 167.4 (6.59) | 159.5 (6.28) | 419.1 (16.50) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 336.6 (13.25) | 125.5 (4.94) | 336.6 (13.25) | 17.5 (0.69) | 355.6 (14.00) | 355.6 (14.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-141406 |
| 422.4 (16.63) | 422.4 (16.63) | 218.2 (8.59) | 210.3 (8.28) | 419.1 (16.50) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 336.6 (13.25) | 176.3 (6.94) | 336.6 (13.25) | 17.5 (0.69) | 355.6 (14.00) | 355.6 (14.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-141408 |
| 422.4 (16.63) | 422.4 (16.63) | 269.0 (10.59) | 261.1 (10.28) | 419.1 (16.50) | 254.0 (10.00) | 10.9 (0.43) | 9.7 (0.38) | 254.0 (10.00) | 330.2 (13.00) | 227.1 (8.94) | 330.2 (13.00) | 17.5 (0.69) | 355.6 (14.00) | 355.6 (14.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-141410 |
| 371.6 (14.63) | 473.2 (18.63) | 116.6 (4.59) | 108.7 (4.28) | 368.3 (14.50) | 304.8 (12.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 387.4 (15.25) | 74.7 (2.94) | 285.8 (11.25) | 17.5 (0.69) | 304.8 (12.00) | 406.4 (16.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-161204 |
| 371.6 (14.63) | 473.2 (18.63) | 167.4 (6.59) | 159.5 (6.28) | 368.3 (14.50) | 304.8 (12.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 387.4 (15.25) | 125.5 (4.94) | 285.8 (11.25) | 17.5 (0.69) | 304.8 (12.00) | 406.4 (16.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-161206 |
| 371.6 (14.63) | 473.2 (18.63) | 218.2 (8.59) | 210.3 (8.28) | 368.3 (14.50) | 304.8 (12.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 381.0 (15.00) | 176.3 (6.94) | 279.4 (11.00) | 17.5 (0.69) | 304.8 (12.00) | 406.4 (16.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-161208 |
| 473.2 (18.63) | 473.2 (18.63) | 168.4 (6.63) | 160.3 (6.31) | 469.9 (18.50) | 304.8 (12.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 387.4 (15.25) | 125.5 (4.94) | 387.4 (15.25) | 17.5 (0.69) | 406.4 (16.00) | 406.4 (16.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-161606 |
| 205.5 (8.09) | 510.3 (20.09) | 167.4 (6.59) | 159.5 (6.28) | 215.9 (8.50) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 438.2 (17.25) | 125.5 (4.94) | 133.4 (5.25) | 17.5 (0.69) | 152.4 (6.00) | 457.2 (18.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-180606 |
| 256.3 (10.09) | 510.3 (20.09) | 116.6 (4.59) | 108.7 (4.28) | 266.7 (10.50) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 438.2 (17.25) | 74.7 (2.94) | 184.2 (7.25) | 17.5 (0.69) | 203.2 (8.00) | 457.2 (18.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-180804 |
| 256.3 (10.09) | 510.3 (20.09) | 167.4 (6.59) | 159.5 (6.28) | 266.7 (10.50) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 438.2 (17.25) | 125.5 (4.94) | 184.2 (7.25) | 17.5 (0.69) | 203.2 (8.00) | 457.2 (18.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-180806 |
| 371.6 (14.63) | 524.0 (20.63) | 115.8 (4.56) | 108.0 (4.25) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 101.6 (4.00) | 438.2 (17.25) | 74.7 (2.94) | 285.8 (11.25) | 16.0 (0.63) | 304.8 (12.00) | 457.2 (18.00) | 6.4 (0.25) | 7.9 (0.31) | 6.4 (0.25) | YG-181204 |
| 371.6 (14.63) | 524.0 (20.63) | 167.4 (6.59) | 159.5 (6.28) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 152.4 (6.00) | 438.2 (17.25) | 125.5 (4.94) | 285.8 (11.25) | 17.5 (0.69) | 304.8 (12.00) | 457.2 (18.00) | 7.1 (0.28) | 7.9 (0.31) | 7.1 (0.28) | YG-181206 |
| 371.6 (14.63) | 524.0 (20.63) | 219.2 (8.63) | 211.1 (8.31) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 203.2 (8.00) | 431.8 (17.00) | 176.3 (6.94) | 279.4 (11.00) | 17.5 (0.69) | 304.8 (12.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181208 |
| 371.6 (14.63) | 524.0 (20.63) | 270.0 (10.63) | 261.9 (10.31) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 254.0 (10.00) | 431.8 (17.00) | 176.3 (6.94) | 279.4 (11.00) | 17.5 (0.69) | 304.8 (12.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181210 |
| 371.6 (14.63) | 524.0 (20.63) | 320.8 (12.63) | 312.7 (12.31) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 304.8 (12.00) | 428.8 (16.88) | 277.9 (10.94) | 276.4 (10.88) | 17.5 (0.69) | 304.8 (12.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181212 |
| 371.6 (14.63) | 524.0 (20.63) | 474.0 (18.66) | 465.8 (18.34) | 365.3 (14.38) | 330.2 (13.00) | 10.9 (0.43) | 9.7 (0.38) | 457.2 (18.00) | 425.5 (16.75) | 430.3 (16.94) | 273.1 (10.75) | 19.1 (0.75) | 304.8 (12.00) | 457.2 (18.00) | 8.6 (0.34) | 7.9 (0.31) | 8.6 (0.34) | YG-181218 |

YG Series Junction Box Dimensions

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Outside Flange Dimensional Data in Millimeters (Inches)

| Overall Enclosure | | | | Mounting Enclosure | | | Mounting Thickness | Depth | Conduit Area | | | | Clear Opening | | Wall Thickness | | | Catalog Number |
|-------------------|------------------|------------------|------------------|--------------------|------------------|----------------|--------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|----------------|----------------|----------------|----------------|
| A | B | C | D | E | F | G | | | J | K | L | M | N | P | S | T | X | |
| 525.5 (20.69) | 525.5 (20.69) | 168.4 (6.63) | 160.3 (6.31) | 524 (20.63) | 330.2 (13.00) | 14.2 (0.56) | 9.7 (0.38) | 152.4 (6.00) | 438.2 (17.25) | 125.5 (4.94) | 438.2 (17.25) | 17.5 (0.69) | 457.2 (18.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181806 |
| 525.5 (20.69) | 525.5 (20.69) | 219.2 (8.63) | 211.1 (8.31) | 524 (20.63) | 330.2 (13.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 438.2 (17.25) | 176.3 (6.94) | 438.2 (17.25) | 17.5 (0.69) | 457.2 (18.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181808 |
| 525.5 (20.69) | 525.5 (20.69) | 270 (10.63) | 312.7 (12.31) | 524 (20.63) | 330.2 (13.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 431.8 (17.00) | 227.1 (8.94) | 431.8 (17.00) | 17.5 (0.69) | 457.2 (18.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181810 |
| 525.5 (20.69) | 525.5 (20.69) | 41.4 (1.63) | 312.7 (12.31) | 524 (20.63) | 330.2 (13.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 431.8 (17.00) | 277.9 (10.94) | 431.8 (17.00) | 17.5 (0.69) | 457.2 (18.00) | 457.2 (18.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-181812 |
| 385.8 (15.19) | 690.6 (27.19) | 168.4 (6.63) | 160.3 (6.31) | 371.6 (14.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 152.4 (6.00) | 590.6 (23.25) | 125.5 (4.94) | 285.8 (11.25) | 17.5 (0.69) | 304.8 (12.00) | 609.6 (24.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-241206 |
| 385.8 (15.19) | 690.6 (27.19) | 219.2 (8.63) | 211.1 (8.31) | 371.6 (14.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 590.6 (23.25) | 176.3 (6.94) | 285.8 (11.25) | 17.5 (0.69) | 304.8 (12.00) | 609.6 (24.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-241208 |
| 385.8 (15.19) | 690.6 (27.19) | 320.8 (12.63) | 312.7 (12.31) | 371.6 (14.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 584.2 (23.00) | 277.9 (10.94) | 279.4 (11.00) | 17.5 (0.69) | 304.8 (12.00) | 609.6 (24.00) | 7.9 (0.31) | 7.9 (0.31) | 7.9 (0.31) | YG-241212 |
| 538.2 (21.19) | 690.6 (27.19) | 170.7 (6.72) | 161 (6.34) | 524 (20.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 152.4 (6.00) | 590.6 (23.25) | 124 (4.88) | 438.2 (17.25) | 19.1 (0.75) | 457.2 (18.00) | 609.6 (24.00) | 7.9 (0.31) | 9.7 (0.38) | 8.6 (0.34) | YG-241806 |
| 538.2 (21.19) | 690.6 (27.19) | 221.5 (8.72) | 211.8 (8.34) | 524 (20.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 590.6 (23.25) | 174.8 (6.88) | 438.2 (17.25) | 19.1 (0.75) | 457.2 (18.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-241808 |
| 538.2 (21.19) | 690.6 (27.19) | 272.3 (10.72) | 262.6 (10.34) | 524 (20.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 584.2 (23.00) | 225.6 (8.88) | 431.8 (17.00) | 19.1 (0.75) | 457.2 (18.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-241810 |
| 538.2 (21.19) | 690.6 (27.19) | 323.1 (12.72) | 313.4 (12.34) | 524 (20.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 584.2 (23.00) | 276.4 (10.88) | 431.8 (17.00) | 19.1 (0.75) | 457.2 (18.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-241812 |
| 538.2 (21.19) | 690.6 (27.19) | 475.5 (18.72) | 465.8 (18.34) | 524 (20.63) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 457.2 (18.00) | 584.2 (23.00) | 428.8 (16.88) | 431.8 (17.00) | 19.1 (0.75) | 457.2 (18.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-241818 |
| 690.6 (27.19) | 690.6 (27.19) | 170.7 (6.72) | 161 (6.34) | 268.8 (10.56) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 152.4 (6.00) | 590.6 (23.25) | 124 (4.88) | 590.6 (23.25) | 19.1 (0.75) | 609.6 (24.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-242406 |
| 690.6 (27.19) | 690.6 (27.19) | 221.5 (8.72) | 211.8 (8.34) | 682.8 (26.88) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 584.2 (23.00) | 174.8 (6.88) | 590.6 (23.25) | 19.1 (0.75) | 609.6 (24.00) | 609.6 (24.00) | 8.6 (0.34) | 9.7 (0.38) | 8.6 (0.34) | YG-242408 |
| 690.6 (27.19) | 690.6 (27.19) | 273.1 (10.75) | 263.7 (10.38) | 682.8 (26.88) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 584.2 (23.00) | 225.6 (8.88) | 584.2 (23.00) | 19.1 (0.75) | 609.6 (24.00) | 609.6 (24.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-242410 |
| 690.6 (27.19) | 690.6 (27.19) | 44.5 (1.75) | 314.5 (12.38) | 682.8 (26.88) | 482.6 (19.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 584.2 (23.00) | 276.4 (10.88) | 584.2 (23.00) | 19.1 (0.75) | 609.6 (24.00) | 609.6 (24.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-242412 |
| 385.8 (15.19) | 792.2 (31.19) | 322.3 (12.69) | 313.4 (12.34) | 374.7 (14.75) | 558.8 (22.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 685.8 (27.00) | 276.4 (10.88) | 279.4 (11.00) | 19.1 (0.75) | 304.8 (12.00) | 711.2 (28.00) | 8.6 (0.34) | 8.6 (0.34) | 8.6 (0.34) | YG-281208 |
| 385.8 (15.19) | 792.2 (31.19) | 322.3 (12.69) | 313.4 (12.34) | 374.7 (14.75) | 558.8 (22.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 685.8 (27.00) | 276.4 (10.88) | 279.4 (11.00) | 19.1 (0.75) | 304.8 (12.00) | 711.2 (28.00) | 8.6 (0.34) | 8.6 (0.34) | 8.6 (0.34) | YG-281212 |
| 692.2 (27.25) | 844.6 (33.25) | 222.3 (8.75) | 212.9 (8.38) | 682.8 (26.88) | 609.6 (24.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 743 (29.25) | 225.6 (8.88) | 590.6 (23.25) | 19.1 (0.75) | 609.6 (24.00) | 762 (30.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-302408 |
| 692.2 (27.25) | 844.6 (33.25) | 273.1 (10.75) | 263.7 (10.38) | 682.8 (26.88) | 609.6 (24.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 743 (29.25) | 225.6 (8.88) | 590.6 (23.25) | 19.1 (0.75) | 609.6 (24.00) | 762 (30.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-302410 |
| 692.2 (27.25) | 844.6 (33.25) | 323.9 (12.75) | 314.5 (12.38) | 682.8 (26.88) | 609.6 (24.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 743 (29.25) | 276.4 (10.88) | 590.6 (23.25) | 19.1 (0.75) | 609.6 (24.00) | 762 (30.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-302412 |
| 692.2 (27.25) | 844.6 (33.25) | 476.3 (18.75) | 466.9 (18.38) | 682.8 (26.88) | 609.6 (24.00) | 14.2 (0.56) | 9.7 (0.38) | 457.2 (18.00) | 736.6 (29.00) | 428.8 (16.88) | 584.2 (23.00) | 19.1 (0.75) | 609.6 (24.00) | 762 (30.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-302418 |
| 539.8 (21.25) | 997 (39.25) | 171.5 (6.75) | 162.1 (6.38) | 530.4 (20.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 819.2 (35.25) | 124 (4.88) | 438.2 (17.25) | 19.1 (0.75) | 457.2 (18.00) | 914.4 (36.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-361806 |
| 539.8 (21.25) | 997 (39.25) | 222.3 (8.75) | 212.9 (8.38) | 530.4 (20.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 819.2 (35.25) | 174.8 (6.88) | 438.2 (17.25) | 19.1 (0.75) | 457.2 (18.00) | 914.4 (36.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-361808 |
| 539.8 (21.25) | 997 (39.25) | 323.9 (12.75) | 314.5 (12.38) | 530.4 (20.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 914.4 (36.00) | 276.4 (10.88) | 431.8 (17.00) | 19.1 (0.75) | 457.2 (18.00) | 914.4 (36.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-361812 |
| 539.8 (21.25) | 997 (39.25) | 476.3 (18.75) | 466.9 (18.38) | 530.4 (20.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 457.2 (18.00) | 914.4 (36.00) | 428.8 (16.88) | 431.8 (17.00) | 19.1 (0.75) | 457.2 (18.00) | 914.4 (36.00) | 9.7 (0.38) | 9.7 (0.38) | 9.7 (0.38) | YG-361818 |
| 990.6 (39.00) | 990.6 (39.00) | 225.6 (8.88) | 225.6 (8.88) | 987.6 (38.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 203.2 (8.00) | 914.4 (36.00) | 171.5 (6.75) | 914.4 (36.00) | 20.6 (0.81) | 914.4 (36.00) | 914.4 (36.00) | 11.2 (0.44) | 11.2 (0.44) | 11.2 (0.44) | YG-363608 |
| 990.6 (39.00) | 990.6 (39.00) | 276.4 (10.88) | 276.4 (10.88) | 987.6 (38.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 254 (10.00) | 889 (35.00) | 222.3 (8.75) | 914.4 (36.00) | 20.6 (0.81) | 914.4 (36.00) | 914.4 (36.00) | 11.2 (0.44) | 11.2 (0.44) | 11.2 (0.44) | YG-363610 |
| 990.6 (39.00) | 990.6 (39.00) | 327.2 (12.88) | 327.2 (12.88) | 987.6 (38.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 304.8 (12.00) | 914.4 (36.00) | 273.1 (10.75) | 914.4 (36.00) | 20.6 (0.81) | 914.4 (36.00) | 914.4 (36.00) | 11.2 (0.44) | 11.2 (0.44) | 11.2 (0.44) | YG-363612 |
| 990.6 (39.00) | 990.6 (39.00) | 479.6 (18.88) | 479.6 (18.88) | 987.6 (38.88) | 762 (30.00) | 14.2 (0.56) | 9.7 (0.38) | 457.2 (18.00) | 886 (34.88) | 425.5 (16.75) | 886 (34.88) | 20.6 (0.81) | 914.4 (36.00) | 914.4 (36.00) | 11.2 (0.44) | 11.2 (0.44) | 11.2 (0.44) | YG-363618 |

Class 650 Type IF Aluminum Junction Boxes

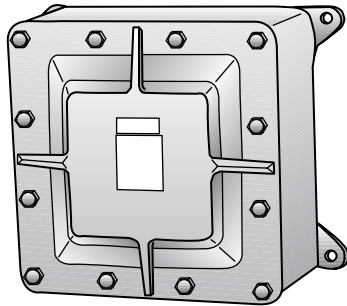
NEC/CEC:
 Class I, Div. 1, 2, Group D
 Class I, Zone 1, 2, Group IIA
 Class II, Div. 1, 2, Group E, F, G
 Class III
 NEMA 7D, 9EFG

Applications

- Class 650 Type IF Junction Boxes are UL Listed and CSA Certified for use in hazardous areas.
- The inside flange design offers maximum external space for service as a junction box or pull box.
- The thick wall construction permits maximum drilling and tapping for conduit.

Features

- Wide selection of types and sizes.
- Hex head, cover bolts.
- Inside flange design provides maximum external space.
- Wall thickness permits drilling and tapping for conduit to meet customer requirements.
- Mounting lugs supplied.



Type IF Junction Box

Standard Materials

- Box and cover - copper-free aluminum
- Cover bolts - stainless steel

Standard Finishes

- Box and cover - gray epoxy powder coat

NEC/CEC Certifications and Compliances

- UL Standard 886
- UL Listed: E-85310 (specify class 651)
- CSA Standard C22.2, No. 30
- UL Classified: E-84577
- CSA Certified LR-20945

| Hinges (Stainless Steel) | | |
|--------------------------|----------------|-----------------------|
| Enclosure Size | Catalog Number | No. of Hinges Per Set |
| All IF Enclosures ① | HMD | 2 |

| Inside Dimensions ② | | | Wall Thickness | | Maximum Conduit Size | | Mounting Pan | | Weight | Catalog |
|---------------------|----------------|----------------|----------------|--------------|----------------------|--------------|---------------|---------------|------------|------------|
| Width | Height | Depth | Ends | Sides | Ends | Sides | Width | Height | Kgs (lbs). | Number |
| 82.55 (3.25) | 204.72 (8.06) | 74.68 (2.94) | 12.7 (0.5) | 9.65 (0.38) | 31.75 (1.25) | 19.05 (0.75) | 38.1 (1.5) | 152.4 (6) | 4 (8) | IF384 |
| 263.65 (10.38) | 101.6 (4) | 88.9 (3.5) | 12.7 (0.5) | 9.65 (0.38) | 38.1 (1.5) | 19.05 (0.75) | 63.5 (2.5) | 238.25 (9.38) | 5 (11) | IF4103 |
| 196.85 (7.75) | 196.85 (7.75) | 152.4 (6) | 19.05 (0.75) | 19.05 (0.75) | 63.5 (2.5) | 63.5 (2.5) | 152.4 (6) | 152.4 (6) | 13 (28) | IF886 |
| 196.85 (7.75) | 298.45 (11.75) | 203.2 (8) | 19.05 (0.75) | 19.05 (0.75) | 63.5 (2.5) | 63.5 (2.5) | 136.65 (5.38) | 234.95 (9.25) | 19 (41) | IF8128 |
| 298.45 (11.75) | 298.45 (11.75) | 152.4 (6) | 19.05 (0.75) | 19.05 (0.75) | 76.2 (3) | 76.2 (3) | 228.6 (9) | 228.6 (9) | 21 (46) | IF12126 |
| 301.75 (11.88) | 301.75 (11.88) | 203.2 (8) | 17.53 (0.69) | 17.53 (0.69) | 76.2 (3) | 76.2 (3) | 228.6 (9) | 228.6 (9) | 25 (56) | IF12128 |
| 298.45 (11.75) | 374.65 (14.75) | 152.4 (6) | 19.05 (0.75) | 19.05 (0.75) | 88.9 (3.5) | 88.9 (3.5) | 228.6 (9) | 304.8 (12) | 26 (58) | IF12156 |
| 301.75 (11.88) | 454.15 (17.88) | 276.35 (10.88) | 17.53 (0.69) | 17.53 (0.69) | 101.6 (4) | 101.6 (4) | 228.6 (9) | 381 (15) | 44 (96) | IF121810 |
| 377.95 (14.88) | 504.95 (19.88) | 133.35 (5.25) | 17.53 (0.69) | 17.53 (0.69) | 63.5 (2.5) | 63.5 (2.5) | 304.8 (12) | 419.1 (16.5) | 37 (81) | IF15205 |
| 450.85 (17.75) | 450.85 (17.75) | 157.23 (6.19) | 19.05 (0.75) | 19.05 (0.75) | 88.9 (3.5) | 88.9 (3.5) | 381 (15) | 381 (15) | 44 (96) | IF18186 ③ |
| 454.15 (17.88) | 454.15 (17.88) | 274.57 (10.81) | 17.53 (0.69) | 17.53 (0.69) | 101.6 (4) | 101.6 (4) | 381 (15) | 381 (15) | 55 (121) | IF181810 ③ |
| 454.15 (17.88) | 606.55 (23.88) | 152.4 (6) | 17.53 (0.69) | 17.53 (0.69) | 88.9 (3.5) | 88.9 (3.5) | 381 (15) | 533.4 (21) | 64 (140) | IF18246 ③ |
| 454.15 (17.88) | 606.55 (23.88) | 274.57 (10.81) | 17.53 (0.69) | 17.53 (0.69) | 101.6 (4) | 101.6 (4) | 381 (15) | 533.4 (21) | 75 (166) | IF182410 ③ |
| 606.55 (23.88) | 606.55 (23.88) | 304.8 (12) | 17.53 (0.69) | 17.53 (0.69) | 101.6 (4) | 101.6 (4) | 533.4 (21) | 533.4 (21) | 114 (252) | IF242412 ③ |

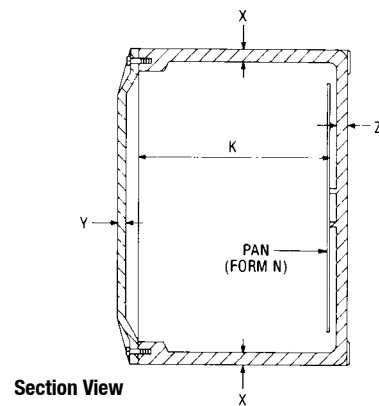
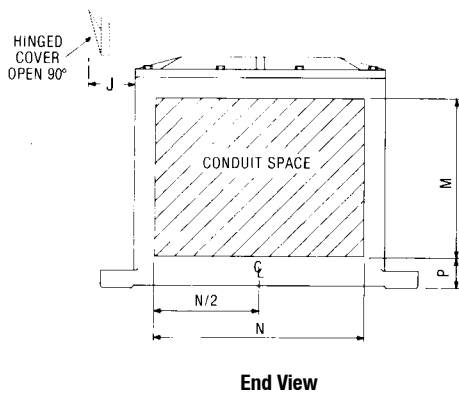
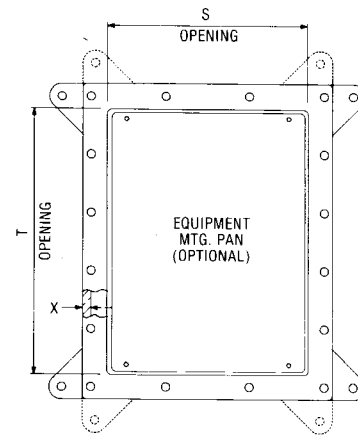
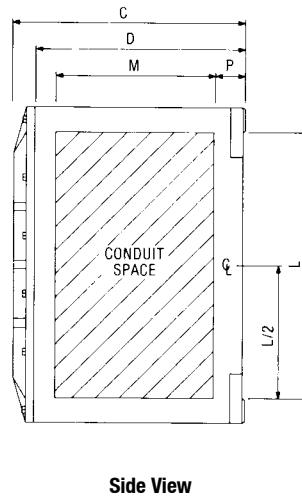
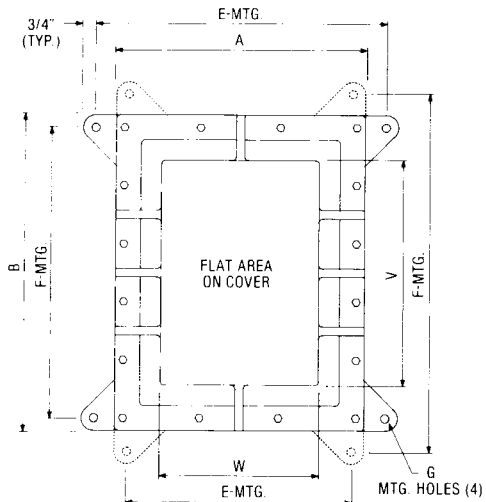
① Not a finished good. Call customer service.

② Inside dimensions are from wall to wall of enclosure and from inside box to inside flange.

③ Use of hinges is recommended.

Class 650 Type IF Aluminum Junction Boxes

Dimensional Data (All dimensions are in Inches):



Class 650 Type IF Aluminum Junction Boxes

NEC/CEC:
 Class I, Div. 1, 2, Group D
 Class I, Zone 1, 2, Group IIA
 Class II, Div. 1, 2, Group E, F, G
 Class III
 NEMA 7D, 9EFG

| Catalog Number | Overall Enclosure | | | | Mounting Enclosure | | | Hinged Cover | Depth | Conduit Area | | | | Clear Opening | | Cover Flat Area | | Wall Thickness | | |
|----------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|
| | A | B | C | D | E | F | G | | | J | K | L | M | N | P | S | T | V | W | X |
| IF384 ② | 104.9 (4.13) | 230.12 (9.06) | 119.13 (4.69) | 90.42 (3.56) | 82.55 (3.25) | 254 (10) | 8.64 (0.34) | 39.62 (1.56) | 71.37 (2.81) | 192.02 (7.56) | 41.4 (1.63) | 69.85 (2.75) | 22.35 (0.88) | 54.1 (2.13) | 192.02 (7.56) | 152.4 (6) | 38.1 (1.5) | 12.7 (0.5) ① | 11.18 (0.44) | 14.22 (0.56) |
| IF4103 ② | 123.95 (4.88) | 292.1 (11.5) | 123.95 (4.88) | 95.25 (3.75) | 101.6 (4) | 314.45 (12.38) | 8.64 (0.34) | 39.62 (1.56) | 69.85 (2.75) | 247.65 (9.75) | 47.75 (1.88) | 82.55 (3.25) | 20.57 (0.81) | 73.15 (2.88) | 241.3 (9.5) | 231.9 (9.13) | 63.5 (2.5) | 12.7 (0.5) | 9.65 (0.38) | 12.7 (0.5) |
| IF886 | 234.95 (9.25) | 234.95 (9.25) | 211.07 (8.31) | 182.63 (7.19) | 266.7 (10.5) | 203.2 (8) | 11.18 (0.44) | 39.62 (1.56) | 149.35 (5.88) | 158.75 (6.25) | 96.77 (3.81) | 158.75 (6.25) | 42.93 (1.69) | 158.75 (6.25) | 158.75 (6.25) | 107.95 (4.25) | 107.95 (4.25) | 19.05 (0.75) | 9.65 (0.38) | 12.7 (0.5) |
| IF8128 | 234.95 (9.25) | 336.55 (13.25) | 261.87 (10.31) | 242.82 (9.56) | 266.7 (10.5) | 304.8 (12) | 14.22 (0.56) | 30.23 (1.19) | 200.15 (7.88) | 260.35 (10.25) | 147.57 (5.81) | 158.75 (6.25) | 42.93 (1.69) | 133.35 (5.25) | 234.95 (9.25) | 228.6 (9) | 127 (5) | 19.05 (0.75) | 12.7 (0.5) | 12.7 (0.5) |
| IF12126 | 336.55 (13.25) | 336.55 (13.25) | 211.07 (8.31) | 182.63 (7.19) | 368.3 (14.5) | 304.8 (12) | 14.22 (0.56) | 39.62 (1.56) | 149.35 (5.88) | 260.35 (10.25) | 96.77 (3.81) | 260.35 (10.25) | 42.93 (1.69) | 234.95 (9.25) | 234.95 (9.25) | 165.1 (6.5) | 166.62 (6.56) | 19.05 (0.75) | 12.7 (0.5) | 12.7 (0.5) |
| IF12128 | 336.55 (13.25) | 336.55 (13.25) | 261.87 (10.31) | 233.43 (9.19) | 368.3 (14.5) | 304.8 (12) | 14.22 (0.56) | 39.62 (1.56) | 200.15 (7.88) | 260.35 (10.25) | 147.57 (5.81) | 260.35 (10.25) | 42.93 (1.69) | 234.95 (9.25) | 234.95 (9.25) | 166.62 (6.56) | 166.62 (6.56) | 17.53 (0.69) | 12.7 (0.5) | 12.7 (0.5) |
| IF12156 | 336.55 (13.25) | 412.75 (16.25) | 217.42 (8.56) | 188.98 (7.44) | 368.3 (14.5) | 381 (15) | 14.22 (0.56) | 39.62 (1.56) | 149.35 (5.88) | 336.55 (13.25) | 103.12 (4.06) | 260.35 (10.25) | 42.93 (1.69) | 234.95 (9.25) | 311.15 (12.25) | 241.3 (9.5) | 165.1 (6.5) | 19.05 (0.75) | 12.7 (0.5) | 19.05 (0.75) |
| IF121810 | 336.55 (13.25) | 488.95 (19.25) | 325.37 (12.81) | 296.93 (11.69) | 390.65 (15.38) | 450.85 (17.75) | 17.53 (0.69) | 39.62 (1.56) | 254 (10) | 412.75 (16.25) | 201.68 (7.94) | 260.35 (10.25) | 47.75 (1.88) | 234.95 (9.25) | 387.35 (15.25) | 317.5 (12.5) | 165.1 (6.5) | 17.53 (0.69) | 12.7 (0.5) | 17.53 (0.69) |
| IF15205 ② | 412.75 (16.25) | 539.75 (21.25) | 215.9 (8.5) | 174.75 (6.88) | 374.65 (14.75) | 577.85 (22.75) | 17.53 (0.69) | 52.32 (2.06) | 133.35 (5.25) | 466.85 (18.38) | 84.07 (3.31) | 339.85 (13.38) | 47.75 (1.88) | 311.15 (12.25) | 285.75 (11.25) | 228.6 (9) | 247.65 (9.75) | 17.53 (0.69) | 16 (0.63) | 17.53 (0.69) |
| IF18186 | 488.95 (19.25) | 488.95 (19.25) | 236.47 (9.31) | 198.37 (7.81) | 527.05 (20.75) | 450.85 (17.75) | 17.53 (0.69) | 49.28 (1.94) | 172.97 (6.81) | 412.75 (16.25) | 104.9 (4.13) | 412.75 (16.25) | 50.8 (2) | 387.35 (15.25) | 387.35 (15.25) | 339.85 (13.38) | 339.85 (13.38) | 19.05 (0.75) | 19.05 (0.75) | 20.57 (0.81) |
| IF181810 | 488.95 (19.25) | 488.95 (19.25) | 338.07 (13.31) | 299.97 (11.81) | 530.35 (20.88) | 450.85 (17.75) | 17.53 (0.69) | 49.28 (1.94) | 274.57 (10.81) | 412.75 (16.25) | 204.72 (8.06) | 412.75 (16.25) | 50.8 (2) | 387.35 (15.25) | 387.35 (15.25) | 339.85 (13.38) | 339.85 (13.38) | 17.53 (0.69) | 19.05 (0.75) | 20.57 (0.81) |
| IF18246 | 488.95 (19.25) | 641.35 (25.25) | 239.78 (9.44) | 198.37 (7.81) | 530.35 (20.88) | 603.25 (23.75) | 17.53 (0.69) | 52.32 (2.06) | 149.35 (5.88) | 565.15 (22.25) | 104.9 (4.13) | 412.75 (16.25) | 47.75 (1.88) | 387.35 (15.25) | 539.75 (21.25) | 447.8 (17.63) | 295.4 (11.63) | 17.53 (0.69) | 19.05 (0.75) | 17.53 (0.69) |
| IF182410 | 488.95 (19.25) | 641.35 (25.25) | 341.38 (13.44) | 299.97 (11.81) | 530.35 (20.88) | 603.25 (23.75) | 17.53 (0.69) | 52.32 (2.06) | 271.53 (10.69) | 565.15 (22.25) | 201.68 (7.94) | 412.75 (16.25) | 50.8 (2) | 387.35 (15.25) | 539.75 (21.25) | 447.8 (17.63) | 295.4 (11.63) | 17.53 (0.69) | 19.05 (0.75) | 20.57 (0.81) |
| IF242412 | 641.35 (25.25) | 641.35 (25.25) | 401.57 (15.81) | 346.2 (13.63) | 685.8 (27) | 603.25 (23.75) | 17.53 (0.69) | 66.8 (2.63) | 301.75 (11.88) | 565.15 (22.25) | 254 (10) | 565.15 (22.25) | 47.75 (1.88) | 539.75 (21.25) | 539.75 (21.25) | 403.35 (15.88) | 403.35 (15.88) | 17.53 (0.69) | 19.05 (0.75) | 17.53 (0.69) |

① Sidewalls are 3/8" thickness.

② Mounting feet located in vertical position.

Class 650 Type IG Aluminum Junction Boxes

NEC/CEC:

G Suffix Only:

NEMA 4

P Suffix Only:

Class II, Div. 1, 2, Groups E, F, G

Class III

NEC/CEC:

NEMA 9EFG

Applications

- Class 650 type IG Junction Boxes may be ordered as either NEMA 4 or NEMA 9.
- Type IG enclosures may be used to house instruments, controllers or control stations. They may also be used as junction boxes or terminal boxes.
- IG gasketed enclosures have sufficient wall thickness to permit almost unrestricted conduit drilling on all sides. They allow full utilization of inside space at a minimum cost.

Features

- Wide selection of types and sizes.
- Hex head cover bolts.
- Full clear opening gives maximum internal space.
- Wall thickness permits drilling and tapping for conduit to meet customer requirements.
- Mounting lugs supplied.

Standard Materials

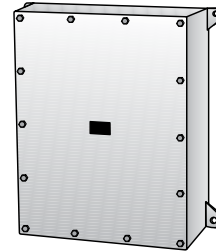
- Box and cover - copper-free aluminum
- Cover bolts - stainless steel

Standard Finishes

- Box and cover - gray epoxy powder coat

NEC/CEC Certifications and Compliances

- UL Standard 886
- CSA Certified LR-20945



Type IG Junction Box

Class 650 Type IG Aluminum Junction Boxes

| Catalog Number NEMA 4 | Catalog Number NEMA 9 | Inside Dimensions ① | | | Wall Thickness | Max. Conduit | Optional Mounting Pan | | Weight lbs |
|--------------------------|--------------------------|---------------------|-------------------|---------------|-------------------|-----------------|--------------------------|------------------|-----------------|
| | | Width | Height | Depth | | | Width | Height | |
| — | IG464P | 98.55 (3.88) | 149.35 (5.88) | 101.6 (4) | 7.87 (0.31) | 50.8 (2) | 82.55 (3.25) | 101.6 (4) | 127 (5) |
| — | IG684P | 152.4 (6) | 203.2 (8) | 101.6 (4) | 6.35 (0.25) | 19.05 (0.75) | 133.35 (5.25) | 152.4 (6) | 203.2 (8) |
| — | IG884P | 196.85 (7.75) | 196.85 (7.75) | 101.6 (4) | 6.35 (0.25) | 19.05 (0.75) | 152.4 (6) | 152.4 (6) | 279.4 (11) |
| IG886G | IG886P | 200.15 (7.88) | 200.15 (7.88) | 152.4 (6) | 7.87 (0.31) | 50.8 (2) | 152.4 (6) | 152.4 (6) | 330.2 (13) |
| — | IG8106P | 203.2 (8) | 254 (10) | 152.4 (6) | 6.35 (0.25) | 19.05 (0.75) | 136.65 (5.38) | 234.95 (9.25) | 355.6 (14) |
| — | IG8126P | 203.2 (8) | 304.8 (12) | 152.4 (6) | 6.35 (0.25) | 19.05 (0.75) | 136.65 (5.38) | 234.95 (9.25) | 406.4 (16) |
| IG12126G | IG12126P | 295.4 (11.63) | 295.4 (11.63) | 152.4 (6) | 9.65 (0.38) | 50.8 (2) | 228.6 (9) | 228.6 (9) | 558.8 (22) |
| IG12148G | — | 295.4 (11.63) | 346.2 (13.63) | 203.2 (8) | 9.65 (0.38) | 50.8 (2) | 228.6 (9) | 304.8 (12) | 863.6 (34) |
| IG14188G | — | 355.6 (14) | 457.2 (18) | 203.2 (8) | 9.65 (0.38) | 50.8 (2) | 304.8 (12) | 419.1 (16.5) | 1397 (55) |
| IG18186G | IG18186P | 457.2 (18) | 457.2 (18) | 152.4 (6) | 9.65 (0.38) | 50.8 (2) | 381 (15) | 381 (15) | 1193.8 (47) |
| IG181810G | IG181810P | 457.2 (18) | 457.2 (18) | 254 (10) | 9.65 (0.38) | 50.8 (2) | 381 (15) | 381 (15) | 1625.6 (64) |
| — | IG181812P | 457.2 (18) | 457.2 (18) | 304.8 (12) | 11.18 (0.44) | 101.6 (4) | 381 (15) | 381 (15) | 1930.4 (76) |
| IG18248G | IG18248P | 457.2 (18) | 609.6 (24) | 203.2 (8) | 11.18 (0.44) | 101.6 (4) | 381 (15) | 533.4 (21) | 1854.2 (73) |
| IG242412G ② | — | 603.25 (23.75) | 603.25 (23.75) | 304.8 (12) | 11.18 (0.44) | 101.6 (4) | 533.4 (21) | 533.4 (21) | 2743.2 (108) |
| IG30308G ② | IG30308P ② | 762 (30) | 762 (30) | 203.2 (8) | 12.7 (0.5) | 101.6 (4) | 711.2 (28) | 711.2 (28) | 4699 (185) |
| — | — | 762 (30) | 762 (30) | 304.8 (12) | 12.7 (0.5) | 101.6 (4) | 711.2 (28) | 711.2 (28) | 4876.8 (192) |

| Hinges (Stainless Steel) ③ | | |
|----------------------------|-------------------|-----------------------|
| Type IG Box Size | Catalog Number | No. of Hinges Per Set |
| Up to 24" x 24" | HIG22SS | 2 |

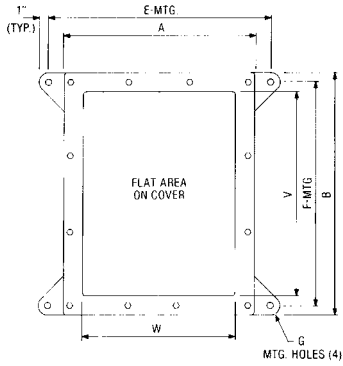
① Inside dimensions are from wall to wall of enclosure and from inside box flange.

② Use of hinges is recommended.

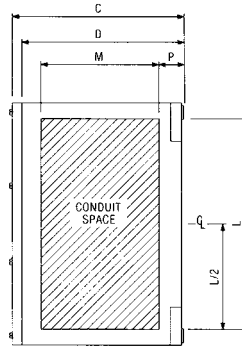
③ Hinges which can be furnished at additional cost, will be located on the long side of the box and on the left side unless otherwise specified.

Class 650 Type IG Aluminum Junction Boxes

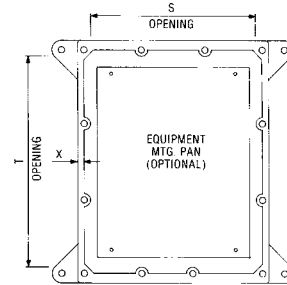
Dimensional Data (All dimensions are in Inches):



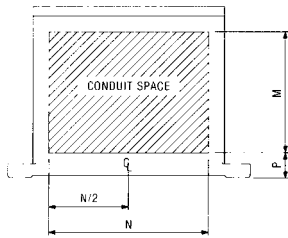
Front View



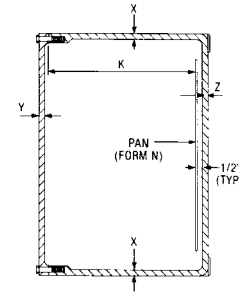
Side View



Front View Less Cover



End View



Section View

Class 650 Type IG Aluminum Junction Boxes

| Catalog Number NEMA 4 | Catalog Number NEMA 9 | Overall Enclosure | | | | Enclosure Mounting | | | Wall Thickness | | | | | | | | | | | |
|--------------------------|--------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-----------------|------------------|-------------------|------------------|-------------------|-----------------|-------------------|-------------------|------------------|-------------------|-----------------|-----------------|-----------------|
| | | A | B | C | D | E | F | G | | K | L | M | N | P | S | T | V | W | X | Y |
| — | IG464P | 117.6 (4.63) | 168.4 (6.63) | 123.95 (4.88) | 114.3 (4.5) | 146.05 (5.75) | 146.05 (5.75) | 7.87 (0.31) | 101.6 (4) | 114.3 (4.5) | 76.2 (3) | 63.5 (2.5) | 19.05 (0.75) | 73.15 (2.88) | 123.95 (4.88) | 50.8 (2) | 101.6 (4) | 7.87 (0.31) | 6.35 (0.25) | 7.87 (0.31) |
| — | IG684P | 168.4 (6.63) | 219.2 (8.63) | 123.95 (4.88) | 114.3 (4.5) | 196.85 (7.75) | 193.8 (7.63) | 7.87 (0.31) | 101.6 (4) | 165.1 (6.5) | 73.15 (2.88) | 114.3 (4.5) | 19.05 (0.75) | 123.95 (4.88) | 174.75 (6.88) | 101.6 (4) | 152.4 (6) | 6.35 (0.25) | 6.35 (0.25) | 6.35 (0.25) |
| — | IG884P | 219.2 (8.63) | 219.2 (8.63) | 127 (5) | 115.82 (4.56) | 257.3 (10.13) | 193.8 (7.63) | 9.65 (0.38) | 101.6 (4) | 165.1 (6.5) | 73.15 (2.88) | 165.1 (6.5) | 19.05 (0.75) | 168.4 (6.63) | 168.4 (6.63) | 155.7 (6.13) | 155.7 (6.13) | 6.35 (0.25) | 6.35 (0.25) | 6.35 (0.25) |
| IG886G | IG886P | 220.73 (8.69) | 220.73 (8.69) | 176.28 (6.94) | 165.1 (6.5) | 247.65 (9.75) | 190.5 (7.5) | 7.87 (0.31) | 152.4 (6) | 165.1 (6.5) | 120.65 (4.75) | 165.1 (6.5) | 19.05 (0.75) | 168.4 (6.63) | 168.4 (6.63) | 155.7 (6.13) | 155.7 (6.13) | 7.87 (0.31) | 6.35 (0.25) | 4.83 (0.19) |
| — | IG8106P | 222.25 (8.75) | 273.05 (10.75) | 176.28 (6.94) | 165.1 (6.5) | 250.95 (9.88) | 244.6 (9.63) | 9.65 (0.38) | 153.92 (6.06) | 215.9 (8.5) | 120.65 (4.75) | 165.1 (6.5) | 19.05 (0.75) | 168.4 (6.63) | 219.2 (8.63) | 158.75 (6.25) | 209.55 (8.25) | 6.35 (0.25) | 6.35 (0.25) | 6.35 (0.25) |
| — | IG8126P | 219.2 (8.63) | 320.8 (12.63) | 174.75 (6.88) | 165.1 (6.5) | 247.65 (9.75) | 292.1 (11.5) | 11.18 (0.44) | 152.4 (6) | 266.7 (10.5) | 120.65 (4.75) | 165.1 (6.5) | 22.35 (0.88) | 168.4 (6.63) | 270 (10.63) | 155.7 (6.13) | 276.35 (10.88) | 6.35 (0.25) | 6.35 (0.25) | 6.35 (0.25) |
| IG12126G | IG12126P | 317.5 (12.5) | 317.5 (12.5) | 184.15 (7.25) | 171.45 (6.75) | 352.55 (13.88) | 289.05 (11.38) | 11.18 (0.44) | 155.7 (6.13) | 263.65 (10.38) | 104.9 (4.13) | 273.05 (10.75) | 25.4 (1) | 266.7 (10.5) | 266.7 (10.5) | 266.7 (10.5) | 266.7 (10.5) | 9.65 (0.38) | 6.35 (0.25) | 7.87 (0.31) |
| IG12148G | — | 319.02 (12.56) | 369.82 (14.56) | 234.95 (9.25) | 219.2 (8.63) | 358.9 (14.13) | 336.55 (13.25) | 14.22 (0.56) | 203.2 (8) | 314.45 (12.38) | 143 (5.63) | 263.65 (10.38) | 25.4 (1) | 266.7 (10.5) | 317.5 (12.5) | 247.65 (9.75) | 298.45 (11.75) | 9.65 (0.38) | 6.35 (0.25) | 9.65 (0.38) |
| IG14188G | — | 381 (15) | 482.6 (19) | 241.3 (9.5) | 212.85 (8.38) | 412.75 (16.25) | 441.45 (17.38) | 14.22 (0.56) | 208.03 (8.19) | 425.45 (16.75) | 136.65 (5.38) | 323.85 (12.75) | 31.75 (1.25) | 330.2 (13) | 431.8 (17) | 304.8 (12) | 406.4 (16) | 9.65 (0.38) | 11.18 (0.44) | 9.65 (0.38) |
| IG18186G | IG18186P | 482.6 (19) | 482.6 (19) | 190.5 (7.5) | 174.75 (6.88) | 533.4 (21) | 438.15 (17.25) | 14.22 (0.56) | 155.7 (6.13) | 425.45 (16.75) | 85.85 (3.38) | 425.45 (16.75) | 31.75 (1.25) | 428.75 (16.88) | 428.75 (16.88) | 406.4 (16) | 406.4 (16) | 9.65 (0.38) | 9.65 (0.38) | 9.65 (0.38) |
| IG181810G | IG181810P | 482.6 (19) | 482.6 (19) | 292.1 (11.5) | 276.35 (10.88) | 533.4 (21) | 438.15 (17.25) | 14.22 (0.56) | 219.2 (8.63) | 425.45 (16.75) | 187.45 (7.38) | 425.45 (16.75) | 31.75 (1.25) | 428.75 (16.88) | 428.75 (16.88) | 406.4 (16) | 406.4 (16) | 9.65 (0.38) | 9.65 (0.38) | 9.65 (0.38) |
| — | IG181812P | 482.6 (19) | 482.6 (19) | 342.9 (13.5) | 327.15 (12.88) | 533.4 (21) | 438.15 (17.25) | 14.22 (0.56) | 270 (10.63) | 425.45 (16.75) | 238.25 (9.38) | 425.45 (16.75) | 31.75 (1.25) | 428.75 (16.88) | 428.75 (16.88) | 406.4 (16) | 406.4 (16) | 9.65 (0.38) | 11.18 (0.44) | 9.65 (0.38) |
| IG18248G | IG18248P | 482.6 (19) | 635 (25) | 236.47 (9.31) | 214.38 (8.44) | 533.4 (21) | 596.9 (23.5) | 14.22 (0.56) | 203.2 (8) | 577.85 (22.75) | 136.65 (5.38) | 425.45 (16.75) | 31.75 (1.25) | 435.1 (17.13) | 587.5 (23.13) | 406.4 (16) | 558.8 (22) | 11.18 (0.44) | 9.65 (0.38) | 11.18 (0.44) |
| IG242412G | — | 638.3 (25.13) | 638.3 (25.13) | 344.42 (13.56) | 327.15 (12.88) | 685.8 (27) | 596.9 (23.5) | 17.53 (0.69) | 308.1 (12.13) | 577.85 (22.75) | 238.25 (9.38) | 577.85 (22.75) | 31.75 (1.25) | 562.1 (22.13) | 562.1 (22.13) | 558.8 (22) | 558.8 (22) | 11.18 (0.44) | 9.65 (0.38) | 11.18 (0.44) |
| IG30308G | IG30308P | 96.77 (3.81) | 96.77 (3.81) | 254 (10) | 228.6 (9) | 857.25 (33.75) | 735.08 (28.94) | 17.53 (0.69) | 208.03 (8.19) | 727.2 (28.63) | 133.35 (5.25) | 727.2 (28.63) | 38.1 (1.5) | 727.2 (28.63) | 727.2 (28.63) | 711.2 (28) | 711.2 (28) | 12.7 (0.5) | 14.22 (0.56) | 12.7 (0.5) |
| — | — | 96.77 (3.81) | 96.77 (3.81) | 354.08 (13.94) | 328.68 (12.94) | 857.25 (33.75) | 735.08 (28.94) | 17.53 (0.69) | 308.1 (12.13) | 727.2 (28.63) | 234.95 (9.25) | 727.2 (28.63) | 38.1 (1.5) | 727.2 (28.63) | 727.2 (28.63) | 711.2 (28) | 711.2 (28) | 12.7 (0.5) | 14.22 (0.56) | 12.7 (0.5) |

Class 681 Aluminum Bus Boxes – 600 Volt

Applications

- Bus Boxes provide a simple means of tapping a feeder circuit through the use of bus and lug assemblies.
- Bus and lug assemblies are available in a number of sizes and arrangements and ample space is provided for cable bends.
- All lugs are solderless type with each assembly mounted on a pan which can be removed to give additional space for cable pulling.
- Enclosures have sufficient wall thickness for conduit openings on all sides.
- Class 681 Bus Boxes are built at our factory by installing a bus lug assembly into a Nelson junction box (select NJBEW, IF and IG models).

Features

- Copper-free cast aluminum enclosures
- Choice of arrangements:
 - Three phase 3-wire
 - Three phase 4-wire
- Wide range lug sizes.
- Easy cable pulling
 - Removable pan assembly
 - Ample space wiring
- Fast installation:
 - Solderless lugs
 - Staggered lug arrangement

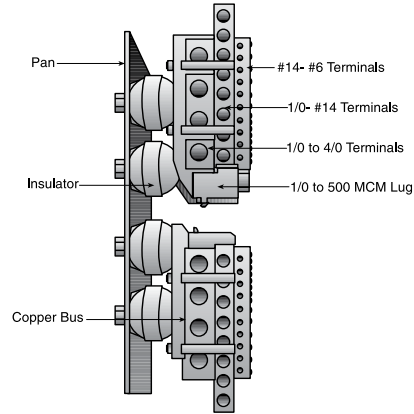
NEC/CEC Certifications and Compliances

- UL Standard 698
- Compliances:
 - NEMA ① 4, 7, 9

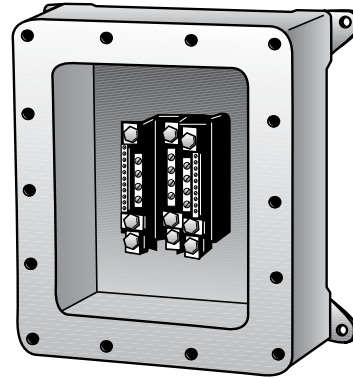
① Refer to catalog number for compliance.

TO ORDER SPECIFY:

1. Class Number
2. Catalog Number
3. System - 3 or 4 wire
4. Conduit Openings (size and location)



Typical Bus Lug Assembly



Class 681 Bus Box

Class 681 Aluminum Bus Boxes – 600 Volt

NEMA * 4, 7, 9

| Number and Size of Lugs Per Phase | Maximum Ampere Rating | Catalog Number NEMA 4, 7, 9 ④ | Catalog Number NEMA 7, 9 ① | Catalog Number NEMA 4 (Only) ② | Catalog Number NEMA 9 (Only) |
|-----------------------------------|-----------------------|----------------------------------|-------------------------------|-----------------------------------|---------------------------------|
| Three Phase, Three Wire | | | | | |
| 2-250MCM to 1/0 ③ | | | | | |
| 1-4/0 to 1/0 | 250A | — | — | IG12148GX31 | IG12148PX31 |
| 4-1/0 to No. 14 | | | | | |
| 6-No. 6 to No. 14 | | | | | |
| 2-250MCM to 1/0 ③ | | | | | |
| 1-4/0 to 1/0 | 250A | NJBEW181808X32 | — | IG14188GX32 | IG14188Px32 |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| 1-500 MCM to 1/0 ③ | | | | | |
| 4-4/0 to 1/0 | 400A | — | IF18186X33 | IG18248GX33 | — |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| 2-500MCM to 1/0 ③ | | | | | |
| 4-4/0 to 1/0 | 800A | — | — | IG18248GX34 | IG18248PX34 |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| 2-500MCM to 1/0 ③ | | | | | |
| 2-500MCM to 1/0 | 800A | NJBEW182408X35 | — | — | IG18248PX35 |
| 4-4/0 to 1/0 | | | | | |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| Three Phase, Four Wire | | | | | |
| 2-250MCM to 1/0 ③ | | | | | |
| 1-4.0 to 1/0 | 250A | NJBEW181808X42 | — | IG18248GX42 | — |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| 1-500MCM to 1/0 ③ | | | | | |
| 1-4/0 to 1/0 | 400A | NJBEW182408X43 | — | IG18248GX43 | IG18248PX43 |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |
| 2-500MCM to 1/0 ③ | | | | | |
| 4-4/0 to 1/0 | 800A | NJBEW182408X44 | — | — | IG18248PX44 |
| 6-1/0 to No. 14 | | | | | |
| 10-No. 6 to No. 14 | | | | | |

① Enclosures are Classified by Underwriters Laboratories, Inc. for use in Class I, Group D; Class I, Zone 1, Group IIA and Class II, Groups E, F, G.

② NEMA 4 bus boxes (with no arcing contacts) may be used in Class I, Div. 2 Hazardous Locations.

③ Main lugs - conduit for main cables should be located in top and/or bottom ends of enclosure. All drilling and tapping must be in sidewalls only.

④ Enclosures are classified by Underwriters Laboratories, Inc. for use in Class I, Groups B, C, D;

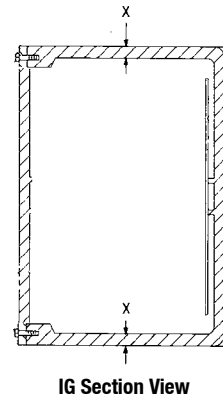
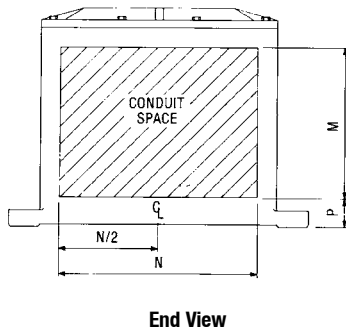
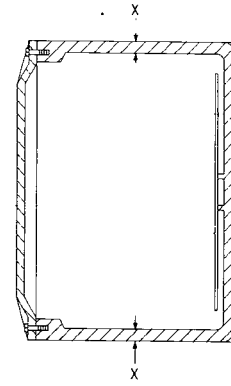
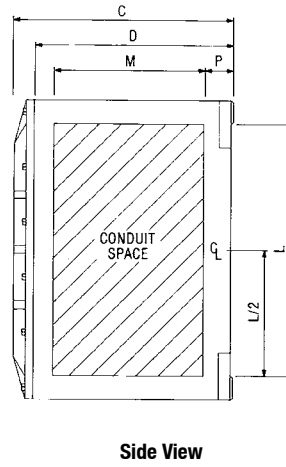
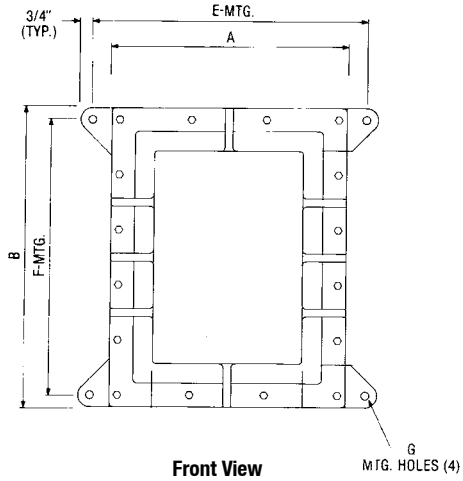
Class I, Zone 1, Group IIB + Hydrogen and Class II, Groups E, F, G Hazardous Locations

(File No. E-84577). Seals must be installed on all conduits within 2" of enclosure for Class I, Groups B, C and Zones IIB+H2

* Refer to Catalog Number for compliance.

Class 681 Aluminum Bus Boxes – 600 Volt

NEMA * 4, 7, 9



Class 681 Aluminum Bus Boxes – 600 Volt

NEMA * 4, 7, 9

| Overall Enclosure | | | | Enclosure Mounting | | | Conduit Area | | | | Wall Thickness | Max. Conduit | Weight Kgs (Lbs) | Catalog Number |
|----------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-----------------|-------------------|------------------|-------------------|-----------------|-----------------|---------------|------------------|----------------|
| A | B | C | D | E | F | G | L | M | N | P | X | | | |
| NEMA 4/7/9 | | | | | | | | | | | | | | |
| 593.85 (23.38) | 593.85 (23.38) | 303.28 (11.94) | 241.3 (9.5) | 330.2 (13) | 552.45 (21.75) | 12.7 (0.5) | 387.35 (15.25) | 127 (5) | 387.35 (15.25) | 38.1 (1.5) | 38.1 (1.5) | 101.6 (4) | 90 (198) | NJBEW181808X__ |
| 603.25 (23.75) | 755.65 (29.75) | 309.63 (12.19) | 241.3 (9.5) | 466.85 (18.38) | 552.45 (21.75) | 12.7 (0.5) | 539.75 (21.25) | 127 (5) | 387.35 (15.25) | 38.1 (1.5) | 38.1 (1.5) | 101.6 (4) | 102 (224) | NJBEW182408X__ |
| NEMA 7/9 | | | | | | | | | | | | | | |
| 336.55 (13.25) | 412.75 (16.25) | 217.42 (8.56) | 188.98 (7.44) | 368.3 (14.5) | 381 (15) | 14.22 (0.56) | 336.55 (13.25) | 103.12 (4.06) | 260.35 (10.25) | 42.93 (1.69) | 19.05 (0.75) | 88.9 (3.5) | 29 (65) | IF12156X__ |
| 336.55 (13.25) | 488.95 (19.25) | 223.77 (8.81) | 195.33 (7.69) | 374.65 (14.75) | 450.85 (17.75) | 17.53 (0.69) | 412.75 (16.25) | 106.43 (4.19) | 260.35 (10.25) | 45.97 (1.81) | 17.53 (0.69) | 88.9 (3.5) | 34 (75) | IF12186X__ |
| 336.55 (13.25) | 488.95 (19.25) | 325.37 (12.81) | 296.93 (11.69) | 390.65 (15.38) | 450.85 (17.75) | 17.53 (0.69) | 412.75 (16.25) | 201.68 (7.94) | 260.35 (10.25) | 47.75 (1.88) | 17.53 (0.69) | 101.6 (4) | 50 (110) | IF121810X__ |
| 488.95 (19.25) | 488.95 (19.25) | 236.47 (9.31) | 198.37 (7.81) | 781.05 (30.75) | 450.85 (17.75) | 17.53 (0.69) | 412.75 (16.25) | 104.9 (4.13) | 412.75 (16.25) | 50.8 (2) | 19.05 (0.75) | 88.9 (3.5) | 50 (110) | IF18186X__ |
| 488.95 (19.25) | 488.95 (19.25) | 338.07 (13.31) | 299.97 (11.81) | 530.35 (20.88) | 450.85 (17.75) | 17.53 (0.69) | 412.75 (16.25) | 204.72 (8.06) | 412.75 (16.25) | 50.8 (2) | 17.53 (0.69) | 101.6 (4) | 59 (130) | IF181810X__ |
| 488.95 (19.25) | 641.35 (25.25) | 239.78 (9.44) | 198.37 (7.81) | 530.35 (20.88) | 603.25 (23.75) | 17.53 (0.69) | 565.15 (22.25) | 104.9 (4.13) | 412.75 (16.25) | 47.75 (1.88) | 17.53 (0.69) | 88.9 (3.5) | 68 (150) | IF18246X__ |
| 488.95 (19.25) | 641.35 (25.25) | 341.38 (13.44) | 299.97 (11.81) | 530.35 (20.88) | 603.25 (23.75) | 17.53 (0.69) | 565.15 (22.25) | 201.68 (7.94) | 412.75 (16.25) | 50.8 (2) | 17.53 (0.69) | 101.6 (4) | 79 (175) | IF182410X__ |
| NEMA 4 (ONLY) | | | | | | | | | | | | | | |
| 319.02 (12.56) | 369.82 (14.56) | 234.95 (9.25) | 219.2 (8.63) | 358.9 (14.13) | 336.55 (13.25) | 14.22 (0.56) | 314.45 (12.38) | 143 (5.63) | 263.65 (10.38) | 25.4 (1) | 9.65 (0.38) | 50.8 (2) | 18 (40) | IG12148GX__ |
| 381 (15) | 482.6 (19) | 241.3 (9.5) | 222.25 (8.75) | 412.75 (16.25) | 441.45 (17.38) | 14.22 (0.56) | 425.45 (16.75) | 136.65 (5.38) | 323.85 (12.75) | 31.75 (1.25) | 9.65 (0.38) | 50.8 (2) | 29 (63) | IG14188GX__ |
| 482.6 (19) | 635 (25) | 236.47 (9.31) | 214.38 (8.44) | 533.4 (21) | 596.9 (23.5) | 14.22 (0.56) | 577.85 (22.75) | 136.65 (5.38) | 425.45 (16.75) | 31.75 (1.25) | 11.18 (0.44) | 101.6 (4) | 37 (82) | IG18248GX__ |
| NEMA 9 (ONLY) | | | | | | | | | | | | | | |
| 319.02 (12.56) | 369.82 (14.56) | 234.95 (9.25) | 219.2 (8.63) | 358.9 (14.13) | 336.55 (13.25) | 14.22 (0.56) | 314.45 (12.38) | 143 (5.63) | 263.65 (10.38) | 25.4 (1) | 9.65 (0.38) | 50.8 (2) | 18 (40) | IG12148PX__ |
| 381 (15) | 482.6 (19) | 241.3 (9.5) | 222.25 (8.75) | 412.75 (16.25) | 441.45 (17.38) | 14.22 (0.56) | 425.45 (16.75) | 136.65 (5.38) | 323.85 (12.75) | 31.75 (1.25) | 9.65 (0.38) | 50.8 (2) | 29 (63) | IG141888PX__ |
| 482.6 (19) | 635 (25) | 236.47 (9.31) | 214.38 (8.44) | 533.4 (21) | 596.9 (23.5) | 14.22 (0.56) | 577.85 (22.75) | 136.65 (5.38) | 425.45 (16.75) | 31.75 (1.25) | 11.18 (0.44) | 101.6 (4) | 37 (82) | IG18248PX__ |

Class 683 Aluminum Terminal Boxes

NEC/CEC:
7000 Series:
 Class I, Div. 1, 2, Group D
 Class I, Zone 1, 2, Group IIA
 Class II, Div. 1, 2, Groups E, F, G
 Class III

NEC/CEC:
NEMA 7D, 9EFG
4000 Series:
 NEMA 4

NEC/CEC:
9000 Series
 Class II, Div. 1, 2, Groups E, F, G
 Class III
NEMA 9EFG

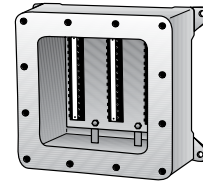
Applications

- Terminal boxes provide a means to terminate various sizes of wire. Terminal blocks are mounted on internal mounting plate, which can be removed for pulling wires if desired. The blocks are arranged to provide ample room for wiring and are easily accessible. The enclosures have sufficient wall thickness for conduit openings on all sides.
- Class 683 terminal boxes are built at our factory by installing a terminal block into a Nelson junction box (select IF and IG Models)

Features

- Copper-free cast aluminum enclosures
- Choice of arrangements - 12 to 144 terminals
- Terminals for a variety of applications:
 15, 30 or 55 Amp
 250, 300 or 600 Volt Rated
 14 to 6 AWG Wire Size
- Ample space for wiring
- Conduit areas on all sides

TO ORDER SPECIFY:
 1. Class Number
 2. Catalog Number
 3. Conduit openings (size and location)



Class 683 Terminal Box

NEC/CEC Certifications and Compliances

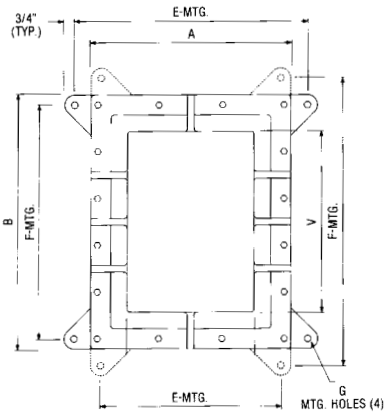
- UL Standard: 698
- Compliances:
 -7000 Series

Options

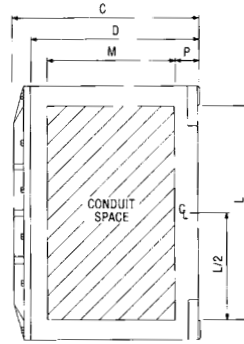
See Page V23

| Number of Terminals | 7000 Series | Dim. Line | 4000 Series | Dim. Line | 9000 Series | Dim. Line |
|--|--------------------------------|-----------|-----------------------------------|-----------|---------------------------------|-----------|
| | Catalog Number NEMA 7/9 (1) | | Catalog Number NEMA 4(only)(2) | | Catalog Number NEMA 9 (Only) | |
| 15 Amperes, 250 Volt Maximum, No. 14 Maximum Wire Size (Screw Type Terminals) | | | | | | |
| 12 | 7101 | 1 | — | 11 | 9101 | 11 |
| 24 | — | 3 | 4102(3) | 12 | 9102(3) | 12 |
| 36 | 7103 | 4 | 4103(3) | 13 | 9103(3) | 13 |
| 48 | 7104 | 4 | 4104 | 14 | 9104 | 14 |
| 72 | 7106 | 5 | 4106(3) | 16 | 9106(3) | 16 |
| 96 | 7108 | 5 | 4108(3) | 16 | 9108(3) | 16 |
| 120 | — | 7 | 4110(3) | 16 | 9110(3) | 16 |
| 144 | 7112 | 8 | 4112(3) | 16 | 9112 | 16 |
| 30 Amperes, 300 Volt Maximum, No. 10 Maximum Wire Size (Screw Type Terminals) | | | | | | |
| 12 | — | 2 | 4301 | 12 | 9301 | 12 |
| 24 | 7302 | 4 | 4302 | 13 | 9302 | 13 |
| 36 | 7303(3) | 5 | 4303(3) | 15 | 9303(3) | 15 |
| 48 | 7304 | 7 | 4304 | 16 | 9304 | 16 |
| 72 | 7306 | 6 | 4306 | 17 | 9306 | 17 |
| 96 | 7308 | 9 | 4308 | 17 | 9308 | 17 |
| 120 | 7310 | 9 | 4310 | 17 | 9310 | 17 |
| 144 | 7312 | 10 | 4312 | 18 | 9312 | 18 |
| 55 Amperes, 600 Volt Maximum, No. 6 Maximum Wire Size (Pressure Type Terminals) | | | | | | |
| 12 | — | 2 | 4601 | 12 | 9601 | 12 |
| 24 | 7602 | 4 | 4602 | 13 | 9602 | 13 |
| 36 | — | 5 | 4603(3) | 15 | 9603(3) | 15 |
| 48 | 7604 | 7 | 4604 | 16 | 9604 | 16 |
| 72 | 7606 | 6 | 4606 | 17 | 9606 | 17 |
| 96 | 7608 | 9 | 4608 | 17 | 9608 | 17 |
| 120 | 7610 | 9 | 4610 | 17 | 9610 | 17 |
| 144 | 7612 | 10 | 4612 | 18 | 9612 | 18 |

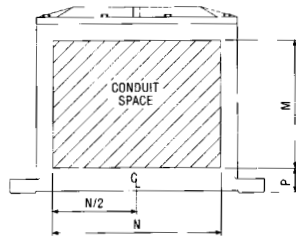
Class 683 Aluminum Terminal Boxes



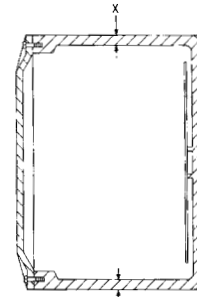
Front View



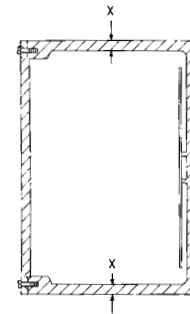
Side View



End View



IF Section View



IG Section View

Class 683 Aluminum Terminal Boxes

| Dim. Line | Enclosure Reference | Overall Enclosure | | | | Mounting Enclosure | | | | Conduit Area | | | | Wall Thickness X | Maximum Conduit | Weight lbs |
|-----------|---------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-----------------|-------------------|------------------|-------------------|-----------------|-----------------|------------------|-----------------|------------|
| | | A | B | C | D | E | F | G | L | M | N | P | | | | |
| 1 | IF384 ② | 104.9 (4.13) | 230.12 (9.06) | 119.13 (4.69) | 90.42 (3.56) | 82.55 (3.25) | 254 (10) | 8.64 (0.34) | 192.02 (7.56) | 41.4 (1.63) | 69.85 (2.75) | 22.35 (0.88) | 12.7 (0.5) ① | 31.75 (1.25) | (9) | |
| 2 | IF4103 ② | 123.95 (4.88) | 292.1 (11.5) | 123.95 (4.88) | 95.25 (3.75) | 101.6 (4) | 314.45 (12.38) | 8.64 (0.34) | 247.65 (9.75) | 47.75 (1.88) | 82.55 (3.25) | 20.57 (0.81) | 12.7 (0.5) | 38.1 (1.5) | (12) | |
| 3 | IF8128 | 234.95 (9.25) | 336.55 (13.25) | 261.87 (10.31) | 242.82 (9.56) | 266.7 (10.5) | 304.8 (12) | 14.22 (0.56) | 260.35 (10.25) | 147.57 (5.81) | 158.75 (6.25) | 42.93 (1.69) | 19.05 (0.75) | 63.5 (2.5) | (36) | |
| 4 | IF12126 | 336.55 (13.25) | 336.55 (13.25) | 211.07 (8.31) | 182.63 (7.19) | 368.3 (14.5) | 304.8 (12) | 14.22 (0.56) | 260.35 (10.25) | 96.77 (3.81) | 260.35 (10.25) | 42.93 (1.69) | 19.05 (0.75) | 76.2 (3) | (51) | |
| 5 | IF12156 | 336.55 (13.25) | 412.75 (16.25) | 217.42 (8.56) | 188.98 (7.44) | 368.3 (14.5) | 381 (15) | 14.22 (0.56) | 336.55 (13.25) | 103.12 (4.06) | 260.35 (10.25) | 42.93 (1.69) | 19.05 (0.75) | 88.9 (3.5) | (63) | |
| 8 | IF15205 ② | 412.75 (16.25) | 539.75 (21.25) | 215.9 (8.5) | 174.75 (6.88) | 374.65 (14.75) | 577.85 (22.75) | 17.53 (0.69) | 466.85 (18.38) | 84.07 (3.31) | 339.85 (13.38) | 47.75 (1.88) | 17.53 (0.69) | 63.5 (2.5) | (85) | |
| 9 | IF18246 | 488.95 (19.25) | 641.35 (25.25) | 239.78 (9.44) | 198.37 (7.81) | 530.35 (20.88) | 603.25 (23.75) | 17.53 (0.69) | 565.15 (22.25) | 104.9 (4.13) | 412.75 (16.25) | 47.75 (1.88) | 17.53 (0.69) | 88.9 (3.5) | (145) | |
| 10 | IF242412 | 641.35 (25.25) | 641.35 (25.25) | 401.57 (15.81) | 346.2 (13.63) | 685.8 (27) | 603.25 (23.75) | 17.53 (0.69) | 565.15 (22.25) | 254 (10) | 565.15 (22.25) | 47.75 (1.88) | 17.53 (0.69) | 101.6 (4) | (258) | |
| 11 | IG684___ | 168.4 (6.63) | 219.2 (8.63) | 123.95 (4.88) | 114.3 (4.5) | 196.85 (7.75) | 193.8 (7.63) | 7.87 (0.31) | 165.1 (6.5) | 73.15 (2.88) | 114.3 (4.5) | 19.05 (0.75) | 6.35 (0.25) | 19.05 (0.75) | (6) | |
| 12 | IG8106___ | 222.25 (8.75) | 273.05 (10.75) | 176.28 (6.94) | 165.1 (6.5) | 250.95 (9.88) | 244.6 (9.63) | 9.65 (0.38) | 215.9 (8.5) | 120.65 (4.75) | 165.1 (6.5) | 19.05 (0.75) | 6.35 (0.25) | 19.05 (0.75) | (15) | |
| 13 | IG8126___ | 219.2 (8.63) | 320.8 (12.63) | 174.75 (6.88) | 165.1 (6.5) | 247.65 (9.75) | 292.1 (11.5) | 11.18 (0.44) | 266.7 (10.5) | 120.65 (4.75) | 165.1 (6.5) | 22.35 (0.88) | 6.35 (0.25) | 19.05 (0.75) | (18) | |
| 14 | IG12126___ | 317.5 (12.5) | 317.5 (12.5) | 184.15 (7.25) | 171.45 (6.75) | 352.55 (13.88) | 289.05 (11.38) | 11.18 (0.44) | 263.65 (10.38) | 104.9 (4.13) | 263.65 (10.38) | 25.4 (1) | 9.65 (0.38) | 50.8 (2) | (24) | |
| 15 | IG12148___ | 319.02 (12.56) | 369.82 (14.56) | 234.95 (9.25) | 219.2 (8.63) | 358.9 (14.13) | 336.55 (13.25) | 14.22 (0.56) | 314.45 (12.38) | 143 (5.63) | 263.65 (10.38) | 25.4 (1) | 9.65 (0.38) | 50.8 (2) | (37) | |
| 16 | IG14188___ | 381 (15) | 482.6 (19) | 241.3 (9.5) | 222.25 (8.75) | 412.75 (16.25) | 441.45 (17.38) | 14.22 (0.56) | 425.45 (16.75) | 136.65 (5.38) | 323.85 (12.75) | 31.75 (1.25) | 9.65 (0.38) | 50.8 (2) | (58) | |
| 17 | IG18248___ | 482.6 (19) | 635 (25) | 236.47 (9.31) | 214.38 (8.44) | 533.4 (21) | 596.9 (23.5) | 14.22 (0.56) | 577.85 (22.75) | 136.65 (5.38) | 425.45 (16.75) | 31.75 (1.25) | 11.18 (0.44) | 101.6 (4) | (77) | |
| 18 | IG242412___ | 638.3 (25.13) | 638.3 (25.13) | 344.42 (13.56) | 327.15 (12.88) | 685.8 (27) | 596.9 (23.5) | 17.53 (0.69) | 577.85 (22.75) | 238.25 (9.38) | 577.85 (22.75) | 31.75 (1.25) | 11.18 (0.44) | 101.6 (4) | (113) | |

Terminal Block Arrangements with 12 Points Per block



① Sidewalls are 3/8 thickness.

① Mounting feet located in vertical position.

Class 650, 651, 681, 683

Modifications and Options:

| DRILLING AND TAPPING | | | |
|------------------------|----------------|-----------------|--------------|
| Trade Size (Inches) | NPT Tapered | NPS Straight | NPT Plugs |
| 1 | NPT100 | — | — |

| Gray Epoxy Powder Coat | Factory Installed | Field Installed |
|--|----------------------|--------------------|
| Outside | G1 | |
| Inside/Outside | G2 | |
| Stainless Steel Cover Bolts (Type IF and IG Only) | M | Consult Factory |
| Mounting Pan | N | Consult Factory |
| Engraved Phenolic Nameplate (specify lettering) | NP | NP |

Type GUB Junction Boxes & Instrument Enclosures

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B⁰, C⁰, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 4X, 7BCD, 9EFG

Application

- To pull or splice wires and/or to mount and enclose electrical devices in hazardous locations.

Features

- Precision threaded flame path between box and cover.
- O-ring gasket provided to seal out moisture, dust, oil, dirt etc. for interior and exterior locations.
- Cast mounting feet provided on all enclosures.
- Large cover opening for easy access.
- Available with solid or window covers.

Standard Materials

- Bodies: copperfree (4/10 of 1% max.) aluminum
- NGUB covers: copperfree (4/10 of 1% max.) aluminum
- NGUBSW covers: copperfree (4/10 of 1% max.) aluminum and glass
- O-ring: neoprene

Standard Finishes

- Corrosion resistant gray powder coat epoxy standard

NEC/CEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E85310
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 020945
- cUL Listed: E84577



NGUB Series

◇ Shaded items on following page are for Groups B and C, all conduits must be sealed within specified distance of enclosure.

Type GUB Enclosures for Drilling and Tapping Blank Body Ordering Information

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B⁰, C⁰, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 4X, 7BCD, 9EFG

Determine catalog number as follows: (1) select NGUB enclosure catalog number; (2) select "Conduit Opening Arrangement Diagram" number; and (3) select symbols that represent conduit opening sizes from "Symbol Table."

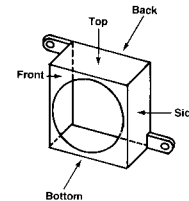
Where no opening is required, the symbol 0 must be inserted. Add suffix for other Optional Features. The various divisions of the complete catalog number should be separated by dashes.

Example

The junction box selected is NGUB443A and the "Conduit Opening Arrangement" is diagram #1. Opening "a" is to be 3/4"; "b", no opening required; "c", 2"; and "d", 1-1/4".

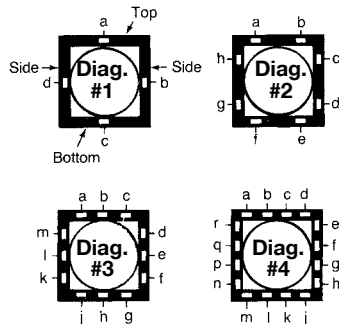
In this example, the complete catalog number is **NGUB443A-1-BOFD**
 Standard Conduit Opening Arrangement Diagrams
 Opening "a" is always TOP of box

If a "Standard Conduit Opening Arrangement" is not suitable for the application, or when openings are to be more accurately spaced, submit sketch, locating openings (1) from centerlines of box and (2) from outside back of box (or from mounting lug surface if lugs are supplied).



Standard Conduit Opening Arrangement Diagrams

Opening "a" is always TOP of box. All conduit openings will be located in centerline of walls and evenly spaced unless otherwise specified.



Symbol Table

Drilling and Tapping (Five Threads Minimum)

| Conduit Size Inches | Symbol | Conduit Size Inches | Symbol |
|---------------------|--------|---------------------|--------|
| 0 | Blank | - | - |
| 1/2 | A | 2 | F |
| 3/4 | B | 2-1/2 | G |
| 1 | C | 3 | H |
| 1-1/4 | D | 3-1/2 | J |
| 1-1/2 | E | 4 | K |

Minimum Recommended Spacing Between Conduit Openings

Allowance made for clearance over bushings. When unions or seals are used, additional space must be allowed.

Table shows minimum distances between conduit-opening centerlines in various size combinations. For example, if 1-1/2" and 3/4" openings are to be drilled and tapped into one side of box, the minimum spacing between centerlines would be 2.13".

| Conduit Size Inches | Minimum Space Between Conduit Opening Centerlines in Millimeters (Inches) | | | | | | | | | |
|---------------------|---|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |
| 1/2 | 31.8 (1.25) | | | | | | | | | |
| 3/4 | 35.1 (1.38) | 38.1 (1.50) | | | | | | | | |
| 1 | 39.6 (1.56) | 42.9 (1.69) | 47.8 (1.88) | | | | | | | |
| 1-1/4 | 47.8 (1.88) | 50.8 (2.00) | 55.6 (2.19) | 62.0 (2.44) | | | | | | |
| 1-1/2 | 50.8 (2.00) | 54.1 (2.13) | 58.7 (2.31) | 66.8 (2.63) | 69.9 (2.75) | | | | | |
| 2 | 60.5 (2.38) | 63.5 (2.50) | 68.3 (2.69) | 74.7 (2.94) | 79.5 (3.13) | 87.4 (3.44) | | | | |
| 2-1/2 | 63.5 (2.50) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 82.6 (3.25) | 92.2 (3.63) | 95.3 (3.75) | | | |
| 3 | 73.2 (2.88) | 76.2 (3.00) | 81.0 (3.19) | 87.4 (3.44) | 92.2 (3.63) | 100.1 (3.94) | 104.9 (4.13) | 112.8 (4.44) | | |
| 3-1/2 | 79.5 (3.13) | 82.6 (3.25) | 87.4 (3.44) | 95.3 (3.75) | 98.6 (3.88) | 108.0 (4.25) | 111.3 (4.38) | 120.7 (4.75) | 127.0 (5.00) | |
| 4 | 87.4 (3.44) | 90.4 (3.56) | 95.3 (3.75) | 103.1 (4.06) | 106.4 (4.19) | 115.8 (4.56) | 119.1 (4.69) | 128.5 (5.06) | 134.9 (5.31) | 143.0 (5.63) |

◇ Shaded items on following page are for Groups B and C, all conduits must be sealed within specified distance of enclosure.

Type GUB Junction Boxes & Instrument Enclosures

Explosionproof, Dust-Ignitionproof

Furnished with aluminum body and solid or window cover.

NEC/CEC:

Class I, Division 1 and 2, Groups B⁰, C⁰, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG



| Box with Cover | Box with Window Cover | Inside Dimensions in Millimeters (Inches) | | | Maximum Conduit Size (In. – NPT) | Seal Distance in Millimeters (Inches) | | Cover Opening in Millimeters (Inches) |
|----------------|-----------------------|--|------------------|------------------|---|--|----------------------|--|
| | | Width | Height | Depth | | Group B ⁰ | Group C ⁰ | |
| NGUB443A | NGUBSW443A | 108.0 (4.25) | 108.0 (4.25) | 82.6 (3.25) | 3/4 | 457.2 (18.00) | None | 101.6 (4.00) |
| NGUB555A | NGUBSW555A | 136.5 (5.38) | 136.5 (5.38) | 127 (5.00) | 3/4 | 76.2 (3.00) | None | 114.3 (4.50) |
| NGUB664A | NGUBSW664A | 155.6 (6.13) | 155.6 (6.13) | 108.0 (4.25) | 2 | 457.2 (18.00) | 457.2 (18.00) | 150.8 (5.94) |
| NGUB976A | NGUBSW976A | 235.0 (9.25) | 190.5 (7.50) | 152.4 (6.00) | 2 | 457.2 (18.00) | 457.2 (18.00) | 177.8 (7.00) |
| NGUB984A | NGUBSW984A | 231.8 (9.13) | 206.4 (8.13) | 111.1 (4.38) | 2 | 457.2 (18.00) | 457.2 (18.00) | 201.6 (7.94) |
| NGUB1093A | NGUBSW1093A | 254.0 (10.00) | 228.6 (9.00) | 100.0 (3.94) | 2 | 457.2 (18.00) | 457.2 (18.00) | 225.4 (8.88) |
| NGUB10105A | NGUBSW10105A | 269.9 (10.63) | 269.9 (10.63) | 133.4 (5.25) | 3 | 457.2 (18.00) | 457.2 (18.00) | 250.8 (9.88) |
| NGUB10106A | NGUBSW10106A | 257.2 (10.13) | 257.2 (10.13) | 152.4 (6.00) | 3 | 76.2 (3.00) | 76.2 (3.00) | 235.0 (9.25) |
| NGUB10108A | NGUBSW10108A | 257.2 (10.13) | 257.2 (10.13) | 203.2 (8.00) | 4 | 76.2 (3.00) | 76.2 (3.00) | 235.0 (9.25) |
| NGUB12128A | NGUBSW12128A | 308.0 (12.13) | 308.0 (12.13) | 203.2 (8.00) | 4 | 76.2 (3.00) | 76.2 (3.00) | 285.8 (11.25) |
| NGUB121212A | NGUBSW121212A | 308.0 (12.13) | 308.0 (12.13) | 304.8 (12.00) | 4 | 76.2 (3.00) | 76.2 (3.00) | 285.8 (11.25) |

Maximum Number of Drilled and Tapped Conduit Entries

| Side | Trade Size (Inches) of Conduit | | | | | | | | | | Catalog Number |
|-------|-----------------------------------|------|----|--------|--------|----|--------|----|--------|----|----------------|
| | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3-1/2" | 4" | |
| Long | 2 | 2 | - | - | - | - | - | - | - | - | NGUB443A |
| Short | 2 | 2 | - | - | - | - | - | - | - | - | |
| Long | 3 | 2 | - | - | - | - | - | - | - | - | NGUB555A |
| Short | 3 | 2 | - | - | - | - | - | - | - | - | |
| Long | 3 | 3 | 2 | 2 | 2 | 1 | - | - | - | - | NGUB664A |
| Short | 3 | 3 | 2 | 2 | 2 | 1 | - | - | - | - | |
| Long | 5 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | NGUB976A |
| Short | 4 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | |
| Long | 5 | 5 | 4 | 3 | 3 | 2 | - | - | - | - | NGUB984A |
| Short | 5 | 5 | 4 | 3 | 3 | 2 | - | - | - | - | |
| Long | 6 | 5 | 4 | 3 | 3 | 2 | - | - | - | - | NGUB1093A |
| Short | 5 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | |
| Long | 6 | 5 | 5 | 4 | 3 | 3 | 2 | 2 | - | - | NGUB10105A |
| Short | 6 | 5 | 5 | 4 | 3 | 3 | 2 | 2 | - | - | |
| Long | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | - | - | NGUB10106A |
| Short | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | - | - | |
| Long | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | NGUB10108A |
| Short | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | |
| Long | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 1 | NGUB12128A |
| Short | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 1 | |
| Long | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 1 | NGUB121212A |
| Short | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 1 | |

Ordering Information for Drilled and Tapped Enclosures

For custom arrangement, see Modifications and Accessories and use the NGUB Series Custom Drill and Tap Schedule.

♦ For Groups B and C, all conduits must be sealed within specified distance of enclosure.

Type GUB Instrument and Meter Enclosure Modifications and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B⁰, C⁰, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

Grounding Kits

| Catalog Number | Wire Capacity | |
|----------------|---------------------|--|
| | Al-Cu/Tinned Copper | |
| NGK-04 | #14-4 AWG | |
| NGK-10 | #8-1/0 AWG | |
| NGK-25 | #6 AWG-250MCM | |

Mounting Plates — Standard

| Catalog Number | Use With | |
|----------------|-------------|------------------|
| | Aluminum | Galvanized Steel |
| NMPA-443 | NMPG-443 | NGUB-443A |
| NMPA-555 | NMPG-555 | NGUB-555A |
| NMPA-664 | NMPG-664 | NGUB-664A |
| NMPA-976 | NMPG-976 | NGUB-976A |
| NMPA-984 | NMPG-984 | NGUB-984A |
| NMPA-1093 | NMPG-1093 | NGUB-1093A |
| NMPA-10105 | NMPG-10105 | NGUB-10105A |
| NMPA-10106 | NMPG-10106 | NGUB-10106A |
| NMPA-10108 | NMPG-10108 | NGUB-10108A |
| NMPA-12128 | NMPG-12128 | NGUB-12128A |
| NMPA-121212 | NMPG-121212 | NGUB-121212A |

Mounting Plates — 90°

| Catalog Number | Use With | |
|----------------|---------------|------------------|
| | Aluminum | Galvanized Steel |
| NMD-4-664A | NMD-4-664G | NGUB-664A |
| NMD-10-664A | NMD-10-664G | NGUB-664A |
| NMD-6-984A | NMD-6-984G | NGUB-984A |
| NMD-8-1093A | NMD-8-1093G | NGUB-1093A |
| NMD-10-10105A | NMD-10-10105G | NGUB-10105A |

Drill and Tap Options

| Conduit Size (Inches – NPT) | Symbol |
|--------------------------------|--------|
| 1/2 | A |
| 3/4 | B |
| 1 | C |
| 1-1/4 | D |
| 1-1/2 | E |
| 2 | F |
| 2-1/2 | G |
| 3 | H |
| 3-1/2 | J |
| 4 | K |

Replacement Window Covers

| Catalog Number | Use With Box Catalog Number |
|----------------|-----------------------------|
| NSW-443A | NGUBSW-443A |
| NSW-555A | NGUBSW-555A |
| NSW-664A | NGUBSW-664A |
| NSW-976A | NGUBSW-976A |
| NSW-984A | NGUBSW-984A |
| NSW-1093A | NGUBSW-1093A |
| NSW-10105A | NGUBSW-10105A |
| NSW-10106A | NGUBSW-10106/8A |
| NSW-12128 | NGUBSW-12128/12A |

Replacement Flat Covers

| Catalog Number | Use With Box Catalog Number |
|----------------|-----------------------------|
| NFC-443A | NGUB-443A |
| NFC-555A | NGUB-555A |
| NFC-664A | NGUB-664A |
| NFC-976A | NGUB-976A |
| NFC-984A | NGUB-984A |
| NFC-1093A | NGUB-1093A |
| NFC-10105A | NGUB-10105A |
| NFC-1010A | NGUB-10106/8A |
| NFC-1212A | NGUB-12128/12A |

NEMA 4X Breather/Drain Fittings

| Description | Suffix Factory-Installed ① | Catalog Number Field-Installed |
|------------------|-------------------------------|-----------------------------------|
| Drain Fitting | DN | DRNB4X |
| Breather Fitting | BR | BRTB4X |

① Drilled and tapped installation included.

◇ Shaded items on previous page are for Groups B and C,

all conduits must be sealed within specified distance of enclosure.

Type GUB Instrument and Meter Enclosure Custom Drill and Tap Schedule

| POSITION | CHECK ONLY IF SHOP IS TO LOCATE | | | METAL PLUGS |
|--------------|---|--------|--|-------------|
| | <input type="checkbox"/> DRAIN ONLY, SIDE | | | |
| | <input type="checkbox"/> BREATHER & DRAIN SIDES <u> </u> & <u> </u> | | | |
| CONDUIT SIZE | X DIM. | K DIM. | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |

* = B&D LOC.

VIEW LOOKING INTO BOX
WITH SIDES LAID DOWN

CHECK LIST

ASSIGN DRAWING NO.

SELECT CORRECT FIG. NUMBER.

IF BREATHER & DRAIN ARE REQ'D ARE THEY CLEARLY MARKED AT DESIRED POSITIONS OR IS BOX CHECKED?

ARE INDICATED COND. SIZES WITHIN THE PUBLISHED MAXIMUM ON PAGE K-10?

CHECK FOR MINIMUM SPACING BETWEEN COND. TO COND. PER COND. SPACING TABLE ON PAGE K-4.

SIGN NAME TO DWG.

NAME _____

DATE _____

* = BREATHER/DRAIN LOC. 1/2" NPT REQUIRED. LOCATION MAY BE SPECIFIED ON THE CHART OR IF BOX IS CHECKED, SHOP WILL LOCATE.

DIM. X = DISTANCE FROM CENTERLINE TO CENTER OF CONDUIT OPENING.
DIM. K = DISTANCE FROM MTG. SURFACE TO CENTER OF CONDUIT OPENING.

CAUTION: IN PLANNING CONDUIT ARRANGEMENTS, REFER TO "USABLE CONDUIT AREA", SHOWN ON SHOWN ON THE APPROPRIATE PRODUCT OUTLINE DRAWINGS AND TO THE CONDUIT SPACING CHARTS.

ENCLOSURE FIGURES

FIG. 1

AGUB/GUBSW-443
AGUB/GUBSW-555
AGUB/GUBSW-664
AGUB/GUBSW-984

FIG. 2

AGUB/GUBSW-976
AGUB/GUBSW-1093
AGUB/GUBSW-10105
AGUB/GUBSW-10106/8
AGUB/GUBSW-12128/12

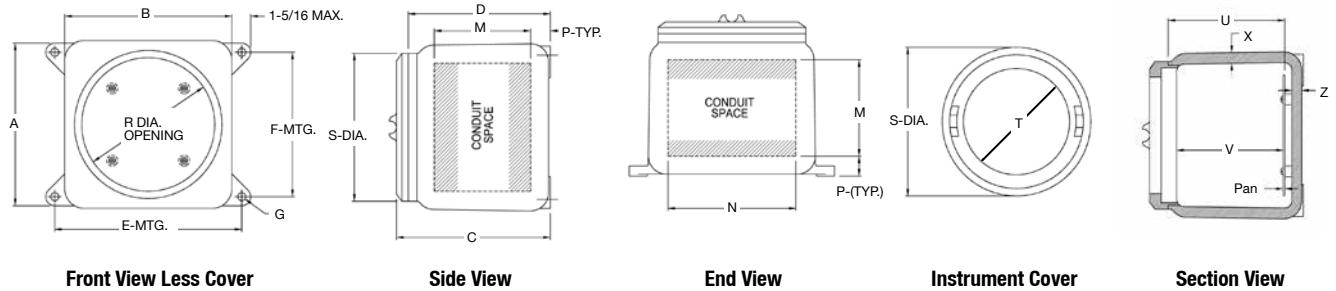
| | |
|----------------------|--------------|
| CONDUIT D&T SCHEDULE | FORM A-12352 |
| CAT. NO. _____ | REV _____ |

Type GUB Instrument and Meter Enclosure Dimensions

Explosionproof, Dust-Ignitionproof

Solid Cover and Window Cover

NGUB Solid Cover ① and NGUBSW Window Cover Series



| Catalog Number | Dimensions in Millimeters (Inches) | | | | | | | | | | | | | | | | |
|----------------|------------------------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|----------------|------------------|------------------|-----------------|------------------|------------------|----------------|----------------|
| | Outside Dimensions | | | | Mounting Lugs | | | Conduit Space | | | Cover Open | Cover Dia. | Window Dia. | Depth | | Wall Thickness | |
| | A | B | C | D | E | F | G | M | N | P | R | S | T | U | V | X | Z |
| 443A | 134.9 (5.31) | 134.9 (5.31) | 131.8 (5.19) | 115.9 (4.56) | 158.8 (6.25) | 98.4 (3.88) | 9.5 (0.38) | 71.4 (2.81) | 95.3 (3.75) | 19.1 (0.75) | 101.6 (4.00) | 117.5 (4.63) | 63.5 (2.50) | 101.6 (4.00) | 76.2 (3.00) | 11.1 (0.44) | 11.1 (0.44) |
| 555A | 158.8 (6.25) | 158.8 (6.25) | 176.2 (6.94) | 158.8 (6.25) | 190.5 (7.50) | 127.0 (5.00) | 9.5 (0.38) | 103.2 (4.06) | 108.0 (4.25) | 23.8 (0.94) | 108.0 (4.25) | 133.4 (5.25) | 81.0 (3.19) | 139.7 (5.50) | 117.5 (4.63) | 11.1 (0.44) | 19.1 (0.75) |
| 664A | 177.8 (7.00) | 177.8 (7.00) | 165.1 (6.50) | 144.5 (5.69) | 206.4 (8.13) | 146.1 (5.75) | 9.5 (0.38) | 95.3 (3.75) | 139.7 (5.50) | 22.2 (0.88) | 150.8 (5.94) | 165.1 (6.50) | 101.6 (4.00) | 127.0 (5.00) | 101.6 (4.00) | 11.1 (0.44) | 11.1 (0.44) |
| 976A | 260.4 (10.25) | 215.9 (8.50) | 214.3 (8.44) | 188.9 (7.44) | 247.7 (9.75) | 228.6 (9.00) | 9.5 (0.38) | 125.4 (4.94) | 165.1 (6.50) | 20.6 (0.81) | 177.8 (7.00) | 196.9 (7.75) | 138.1 (5.44) | 161.9 (6.38) | 139.7 (5.50) | 12.7 (0.50) | 11.1 (0.44) |
| 984A | 254.0 (10.00) | 228.6 (9.00) | 168.3 (6.63) | 149.2 (5.88) | 257.2 (10.13) | 215.9 (8.50) | 9.5 (0.38) | 97.1 (3.81) | 190.5 (7.50) | 23.8 (0.94) | 201.6 (7.94) | 219.1 (8.63) | 142.9 (5.63) | 128.6 (5.06) | 103.2 (4.06) | 11.1 (0.44) | 17.5 (0.69) |
| 1093A | 293.7 (11.56) | 268.2 (10.56) | 163.5 (6.44) | 144.5 (5.69) | 304.8 (12.00) | 235.0 (9.25) | 9.5 (0.38) | 87.3 (3.44) | 200.1 (7.88) | 23.8 (0.94) | 227.0 (8.94) | 247.7 (9.75) | 142.9 (5.63) | 117.5 (4.63) | 92.1 (3.63) | 17.5 (0.69) | 17.5 (0.69) |
| 10105A | 304.8 (12.00) | 304.8 (12.00) | 222.3 (8.75) | 190.5 (7.50) | 346.1 (13.62) | 254.0 (10.00) | 15.9 (0.63) | 122.2 (4.81) | 247.7 (9.75) | 31.8 (1.25) | 250.9 (9.88) | 279.4 (11.00) | 190.5 (7.50) | 165.1 (6.50) | 131.8 (5.19) | 17.5 (0.69) | 17.5 (0.69) |
| 10106A | 295.3 (11.62) | 295.3 (11.62) | 238.1 (9.38) | 200.1 (7.88) | 330.2 (13.00) | 254.0 (10.00) | 15.9 (0.63) | 119.1 (4.69) | 225.4 (8.88) | 35.0 (1.38) | 235.0 (9.25) | 260.4 (10.25) | 187.3 (7.38) | 166.7 (6.56) | 139.7 (5.50) | 19.1 (0.75) | 17.5 (0.69) |
| 10118A | 295.3 (11.62) | 295.3 (11.62) | 288.9 (11.38) | 250.8 (9.88) | 330.2 (13.00) | 254.0 (10.00) | 15.9 (0.63) | 169.9 (6.69) | 225.4 (8.88) | 35.0 (1.38) | 235.0 (9.25) | 260.4 (10.25) | 187.3 (7.38) | 217.4 (8.56) | 190.5 (7.50) | 19.1 (0.75) | 17.5 (0.69) |
| 12128A | 346.1 (13.62) | 346.1 (13.62) | 298.5 (11.75) | 250.8 (9.88) | 381.0 (15.00) | 254.0 (10.00) | 15.9 (0.63) | 169.9 (6.69) | 276.2 (10.88) | 35.0 (1.38) | 285.8 (11.25) | 311.2 (12.25) | 239.7 (9.44) | 217.4 (8.56) | 190.5 (7.50) | 19.1 (0.75) | 17.5 (0.69) |
| 121212A | 346.1 (13.62) | 346.1 (13.62) | 400.1 (15.75) | 352.4 (13.88) | 381.0 (15.00) | 254.0 (10.00) | 15.9 (0.63) | 271.5 (10.69) | 276.2 (10.88) | 35.0 (1.38) | 285.8 (11.25) | 311.2 (12.25) | 239.7 (9.44) | 319.1 (12.56) | 292.1 (11.50) | 19.1 (0.75) | 17.5 (0.69) |

① NGUB Solid Cover Series do not have a window.

NCSEW Cast Control Centers

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 7BCD, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
⊕ II 2 GD
IP66 – IK10

Application

- Explosionproof control centers are used where hazardous materials are handled or stored.
- Grouping push buttons, switches, pilot devices and glass lenses in one enclosure will satisfy a wide range of control applications. This is most beneficial when having areas with minimum space or needing to centralize all controls in one area.

Features

- Precision machined flame path between body and cover.
- Bolt on stainless steel slotted mounting feet.
- Flexible hinge mounting on either side, (hinges standard on 121206 and above).
- External flange maximizes internal space.
- Wall thickness suitable for minimum of five full threads.
- Factory assembled and wired to specifications.
- Operators are spaced on 2-1/2" centers.
- All push buttons and selector switches have stainless steel shafts.
- Push button and selector switches are rated 10 Amp 600 Vac
- Pilot lights are rated 6 Vac up to 600 Vac with transformer.
- Round windows available in a wide range of sizes.
- Provision for mounting pan.
- Ground lug package and installation instructions for termination of ground wires enclosed.
- O-ring gasket insures watertight integrity.

Standard Materials

- Bodies and covers: sand cast copperfree (4/10 of 1% max.) aluminum
- Cover bolts and mounting feet: stainless steel
- O-Ring: neoprene

Standard Finish

- Bodies and covers: shot blast finish

Options

- Custom drilling and tapping.
- Gray epoxy powder coat available to provide NEMA 4X rating. Add suffix **-G2**.
- ATEX complete product certification add suffix **-X**.
- ATEX U Component certification add suffix **-XU**.
- For window installed option, contact your local representative for maximum number of operators.

NEC/CEC Certifications and Compliances

- UL Standards: UL 1203
- UL Classified: E84577
- UL Listed: Control Operators E87975
- CSA Standards: C22.2 No. 14-M, C22.2 No. 24, C22.2 No. 30
- CSA Certified: 042130

ATEX/IECEX Certifications and Compliances

- Certification Type JBEW U2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
 - CE Declaration of Conformity: 5C239
 - ATEX Certificate: LCIE 06 ATEX 0010U
 - IECEx Certificate: IECEx LCI 08.001X
 - Internal Volume: > 2 dm³ (2 liters)



- Certification Type JBEW
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - T Rating: T6 to T4
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T80 °C to T130 °C (T176 °F to T266 °F)
 - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
 - CE Declaration of Conformity: 50279
 - ATEX Certificate: LCIE 07 ATEX 6069X
 - Internal Volume: > 2 dm³ (2 liters)
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-1; 61241-0; 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

NCSEW Cast Control Center Dimensions

Explosionproof, Dust-Ignitionproof

NEC/CEC:
Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ⓜ II 2 GD
IP66 – IK10

| Dimensions in Millimeters (Inches) | | | | | | | | | | | | Catalog Number ②③ |
|------------------------------------|----------------|---------------|---------------------|---------------|----------------|----------------|-------------------|----------------|---------------|--------------|---------------|-------------------|
| Overall Dimensions | | | Mounting Dimensions | | | | Inside Dimensions | | | | | |
| F | E | G | A | AA | B | BB | W | H | Db | Dc | | |
| 227.1 (8.94) | 342.9 (13.50) | 155.7 (6.13) | 101.6 (4.00) | N/A | 279.4 (11.00) | N/A | 128.5 (5.06) | 241.3 (9.50) | 88.9 (3.50) | 28.7 (1.13) | NCSEW050903 | |
| 264.2 (10.40) | 315.0 (12.40) | 165.1 (6.50) | 115.8 (4.56) | 231.9 (9.13) | 268.2 (10.56) | 114.3 (4.50) | 152.4 (6.00) | 203.2 (8.00) | 95.3 (3.75) | 19.1 (0.75) | NCSEW060804 | |
| 270.0 (10.63) | 387.4 (15.25) | 171.5 (6.75) | 139.7 (5.50) | N/A | 333.5 (13.13) | N/A | 155.7 (6.13) | 273.1 (10.75) | 96.8 (3.81) | 36.6 (1.44) | NCSEW061004 | |
| 270.0 (10.63) | 422.4 (16.63) | 162.1 (6.38) | N/A | 231.9 (9.13) | N/A | 215.9 (8.50) | 155.7 (6.13) | 308.1 (12.13) | 103.1 (4.06) | 25.4 (1.00) | NCSEW061204 | |
| 279.4 (11.00) | 520.7 (20.50) | 174.8 (6.88) | 152.4 (6.00) | N/A | 457.2 (18.00) | N/A | 165.1 (6.50) | 406.4 (16.00) | 104.9 (4.13) | 35.1 (1.38) | NCSEW061604 | |
| 311.2 (12.25) | 403.4 (15.88) | 254.0 (10.00) | 162.1 (6.38) | N/A | 342.9 (13.50) | N/A | 187.5 (7.38) | 289.1 (11.38) | 149.4 (5.88) | 63.5 (2.50) | NCSEW071106 | |
| 311.2 (12.25) | 311.2 (12.25) | 209.6 (8.25) | 114.3 (4.50) | 273.1 (10.75) | 273.1 (10.75) | 114.3 (4.50) | 203.2 (8.00) | 203.2 (8.00) | 146.1 (5.75) | 19.1 (0.75) | NCSEW080806 | |
| 317.5 (12.50) | 368.3 (14.50) | 215.9 (8.50) | 177.8 (7.00) | 273.1 (10.75) | 317.5 (12.50) | 165.1 (6.50) | 203.2 (8.00) | 254.0 (10.00) | 146.1 (5.75) | 19.1 (0.75) | NCSEW081006 | |
| 317.5 (12.50) | 443.0 (17.44) | 263.7 (10.38) | N/A | 254.0 (10.00) | N/A | 215.9 (8.50) | 203.2 (8.00) | 331.7 (13.06) | 88.9 (3.50) | 88.9 (3.50) | NCSEW081307 | |
| 352.6 (13.88) | 393.7 (15.50) | 220.7 (8.69) | 184.2 (7.25) | 300.2 (11.82) | 333.5 (13.13) | 217.4 (8.56) | 238.3 (9.38) | 282.7 (11.13) | 122.2 (4.81) | 47.8 (1.88) | NCSEW091105 | |
| 362.0 (14.25) | 519.2 (20.44) | 215.9 (8.50) | 184.2 (7.25) | 300.0 (11.81) | 454.2 (17.88) | 338.1 (13.31) | 241.3 (9.50) | 395.2 (15.56) | 120.7 (4.75) | 44.5 (1.75) | NCSEW091504 | |
| 376.2 (14.81) | 376.2 (14.81) | 231.9 (9.13) | 165.1 (6.50) | N/A | 330.2 (13.00) | N/A | 260.4 (10.25) | 260.4 (10.25) | 146.1 (5.75) | 38.1 (1.50) | NCSEW101006 | |
| 368.3 (14.50) | 469.9 (18.50) | 214.4 (8.44) | 177.8 (7.00) | 330.2 (13.00) | 422.4 (16.63) | 270.0 (10.63) | 254.0 (10.00) | 355.6 (14.00) | 149.4 (5.88) | 19.1 (0.75) | NCSEW101406 | |
| 368.3 (14.50) | 469.9 (18.50) | 244.6 (9.63) | N/A | 330.2 (13.00) | N/A | 270.0 (10.63) | 254.0 (10.00) | 355.6 (14.00) | 196.9 (7.75) | 19.1 (0.75) | NCSEW101408 | |
| 416.1 (16.38) | 638.3 (25.13) | 190.5 (7.50) | 260.4 (10.25) | 368.3 (14.50) | 574.8 (22.63) | 428.8 (16.88) | 289.1 (11.38) | 508.0 (20.00) | 124.0 (4.88) | 38.1 (1.50) | NCSEW112005 | |
| 400.1 (15.75) | 746.3 (29.38) | 258.8 (10.19) | 215.9 (8.50) | 358.9 (14.13) | 689.1 (27.13) | 508.0 (20.00) | 273.1 (10.75) | 619.3 (24.38) | 152.4 (6.00) | 41.4 (1.63) | NCSEW112406 | |
| 416.1 (16.38) | 889.0 (35.00) | 260.4 (10.25) | 241.3 (9.50) | 384.3 (15.13) | 835.2 (32.88) | 692.2 (27.25) | 285.8 (11.25) | 759.0 (29.88) | 157.2 (6.19) | 47.8 (1.88) | NCSEW113006 | |
| 441.5 (17.38) | 441.5 (17.38) | 235.0 (9.25) | 219.2 (8.63) | 397.0 (15.63) | 397.0 (15.63) | 219.2 (8.63) | 311.2 (12.25) | 311.2 (12.25) | 146.1 (5.75) | 38.1 (1.50) | NCSEW121206 | |
| 441.5 (17.38) | 441.5 (17.38) | 292.1 (11.50) | 219.2 (8.63) | 397.0 (15.63) | 397.0 (15.63) | 219.2 (8.63) | 311.2 (12.25) | 311.2 (12.25) | 196.9 (7.75) | 38.1 (1.50) | NCSEW121208 | |
| 431.8 (17.00) | 584.2 (23.00) | 231.9 (9.13) | 177.8 (7.00) | 400.1 (15.75) | 533.4 (21.00) | 358.9 (14.13) | 311.2 (12.25) | 463.6 (18.25) | 146.1 (5.75) | 38.1 (1.50) | NCSEW121806 | |
| 431.8 (17.00) | 584.2 (23.00) | 282.7 (11.13) | 177.8 (7.00) | 400.1 (15.75) | 533.4 (21.00) | 358.9 (14.13) | 311.2 (12.25) | 463.6 (18.25) | 222.3 (8.75) | 38.1 (1.50) | NCSEW121808 | |
| 425.5 (16.75) | 730.3 (28.75) | 282.7 (11.13) | N/A | 400.1 (15.75) | N/A | 466.9 (18.38) | 304.8 (12.00) | 609.6 (24.00) | 196.9 (7.75) | 25.4 (1.00) | NCSEW122408 | |
| 425.5 (16.75) | 1035.1 (40.75) | 301.8 (11.88) | N/A | 400.1 (15.75) | N/A | 736.6 (29.00) | 304.8 (12.00) | 914.4 (36.00) | 196.9 (7.75) | 38.1 (1.50) | NCSEW123608 ① | |
| 457.2 (18.00) | 1079.5 (42.50) | 265.2 (10.44) | 409.7 (16.13) | 301.8 (11.88) | 1035.1 (40.75) | 857.3 (33.75) | 346.2 (13.63) | 962.2 (37.88) | 155.7 (6.13) | 38.1 (1.50) | NCSEW133806 | |
| 492.3 (19.38) | 492.3 (19.38) | 242.8 (9.56) | 247.7 (9.75) | 450.9 (17.75) | 450.9 (17.75) | 247.7 (9.75) | 374.7 (14.75) | 374.7 (14.75) | 146.1 (5.75) | 35.1 (1.38) | NCSEW141406 | |
| 492.3 (19.38) | 492.3 (19.38) | 293.6 (11.56) | 247.7 (9.75) | 450.9 (17.75) | 450.9 (17.75) | 247.7 (9.75) | 374.7 (14.75) | 374.7 (14.75) | 196.9 (7.75) | 35.1 (1.38) | NCSEW141408 | |
| 498.6 (19.63) | 736.6 (29.00) | 304.8 (12.00) | 333.5 (13.13) | N/A | 698.5 (27.50) | N/A | 378.0 (14.88) | 616.0 (24.25) | 203.2 (8.00) | 38.1 (1.50) | NCSEW142408 | |
| 539.8 (21.25) | 1092.2 (43.00) | 306.3 (12.06) | 349.3 (13.75) | 508.0 (20.00) | 1057.4 (41.63) | 812.8 (32.00) | 397.0 (15.63) | 37.25 (946.2) | 189.0 (7.44) | 38.1 (1.50) | NCSEW153707 | |
| 533.4 (21.00) | 533.4 (21.00) | 249.2 (9.81) | 279.4 (11.00) | 501.7 (19.75) | 501.7 (19.75) | 279.4 (11.00) | 419.1 (16.50) | 419.1 (16.50) | 146.1 (5.75) | 38.1 (1.50) | NCSEW161606 | |
| 533.4 (21.00) | 533.4 (21.00) | 314.7 (12.39) | 279.4 (11.00) | 501.7 (19.75) | 501.7 (19.75) | 279.4 (11.00) | 419.1 (16.50) | 419.1 (16.50) | 212.9 (8.38) | 38.1 (1.50) | NCSEW161608 | |
| 543.1 (21.38) | 593.9 (23.38) | 382.5 (15.06) | 304.8 (12.00) | 482.6 (19.00) | 533.4 (21.00) | 355.6 (14.00) | 412.8 (16.25) | 463.6 (18.25) | 301.8 (11.88) | 9.7 (0.38) | NCSEW161812 | |
| 546.1 (21.50) | 693.7 (27.31) | 230.1 (9.06) | 330.2 (13.00) | 505.0 (19.88) | 641.4 (25.25) | 393.7 (15.50) | 417.6 (16.44) | 571.5 (22.50) | 146.1 (5.75) | 31.8 (1.25) | NCSEW162206 ① | |
| 533.4 (21.00) | 711.2 (28.00) | 308.1 (12.13) | N/A | 501.7 (19.75) | N/A | 466.9 (18.38) | 412.8 (16.25) | 616.0 (24.25) | 209.6 (8.25) | 38.1 (1.50) | NCSEW162408 | |
| 527.1 (20.75) | 831.9 (32.75) | 219.2 (8.63) | 330.2 (13.00) | N/A | 781.1 (30.75) | N/A | 412.8 (16.25) | 717.6 (28.25) | 146.1 (5.75) | 38.1 (1.50) | NCSEW162806 ① | |
| 593.9 (23.38) | 593.9 (23.38) | 252.5 (9.94) | 330.2 (13.00) | 552.5 (21.75) | 552.5 (21.75) | 330.2 (13.00) | 463.6 (18.25) | 463.6 (18.25) | 146.1 (5.75) | 38.1 (1.50) | NCSEW181806 | |
| 593.9 (23.38) | 593.9 (23.38) | 303.3 (11.94) | 330.2 (13.00) | 552.5 (21.75) | 552.5 (21.75) | 330.2 (13.00) | 463.6 (18.25) | 463.6 (18.25) | 196.9 (7.75) | 38.1 (1.50) | NCSEW181808 | |
| 608.1 (23.94) | 762.0 (30.00) | 309.4 (12.18) | 409.7 (16.13) | 552.5 (21.75) | 704.9 (27.75) | 466.9 (18.38) | 463.6 (18.25) | 614.4 (24.19) | 196.9 (7.75) | 38.1 (1.50) | NCSEW182408 | |
| 608.1 (23.94) | 762.0 (30.00) | 360.2 (14.18) | 409.7 (16.13) | 552.5 (21.75) | 704.9 (27.75) | 466.9 (18.38) | 463.6 (18.25) | 614.4 (24.19) | 247.7 (9.75) | 38.1 (1.50) | NCSEW182410 | |
| 574.8 (22.63) | 879.6 (34.63) | 308.1 (12.13) | N/A | 552.5 (21.75) | N/A | 584.2 (23.00) | 463.6 (18.25) | 768.4 (30.25) | 196.9 (7.75) | 38.1 (1.50) | NCSEW183008 | |
| 596.9 (23.50) | 1060.5 (41.75) | 312.7 (12.31) | 279.4 (11.00) | 552.5 (21.75) | 1003.3 (39.50) | 736.6 (29.00) | 463.6 (18.25) | 927.1 (36.50) | 196.9 (7.75) | 38.1 (1.50) | NCSEW183608 | |
| 596.9 (23.50) | 1060.5 (41.75) | 363.5 (14.31) | 279.4 (11.00) | 552.5 (21.75) | 1003.3 (39.50) | 736.6 (29.00) | 463.6 (18.25) | 927.1 (36.50) | 247.7 (9.75) | 38.1 (1.50) | NCSEW183610 | |
| 606.6 (23.88) | 1216.2 (47.88) | 301.8 (11.88) | 406.4 (16.00) | 584.2 (23.00) | 1152.7 (45.38) | 974.9 (38.38) | 473.2 (18.63) | 1073.2 (42.25) | 177.8 (7.00) | 38.1 (1.50) | NCSEW184207 | |
| 635.0 (25.00) | 1651.0 (65.00) | 323.9 (12.75) | N/A | 596.9 (23.50) | N/A | 1270.0 (50.00) | 508.0 (20.00) | 1524.0 (60.00) | 174.8 (6.88) | 38.1 (1.50) | NCSEW206008 ① | |
| 746.3 (29.38) | 746.3 (29.38) | 312.7 (12.31) | 466.9 (18.38) | 711.2 (28.00) | 711.2 (28.00) | 466.9 (18.38) | 622.3 (24.50) | 622.3 (24.50) | 196.9 (7.75) | 38.1 (1.50) | NCSEW242408 | |
| 746.3 (29.38) | 746.3 (29.38) | 363.5 (14.31) | 466.9 (18.38) | 711.2 (28.00) | 711.2 (28.00) | 466.9 (18.38) | 622.3 (24.50) | 622.3 (24.50) | 247.7 (9.75) | 38.1 (1.50) | NCSEW242410 ① | |
| 736.6 (29.00) | 889.0 (35.00) | 330.2 (13.00) | 457.2 (18.00) | 711.2 (28.00) | 863.6 (34.00) | 584.2 (23.00) | 609.6 (24.00) | 762.0 (30.00) | 203.2 (8.00) | 49.3 (1.94) | NCSEW243008 | |
| 781.1 (30.75) | 1092.2 (43.00) | 331.7 (13.06) | 463.6 (18.25) | 711.2 (28.00) | 1016.0 (40.00) | 736.6 (29.00) | 616.0 (24.25) | 920.8 (36.25) | 196.9 (7.75) | 41.4 (1.63) | NCSEW243608 | |
| 781.1 (30.75) | 1092.2 (43.00) | 331.7 (13.06) | 463.6 (18.25) | 711.2 (28.00) | 1016.0 (40.00) | 736.6 (29.00) | 616.0 (24.25) | 920.8 (36.25) | 247.7 (9.75) | 41.4 (1.63) | NCSEW243610 | |
| 914.4 (36.00) | 1117.6 (44.00) | 349.3 (13.75) | N/A | 889.0 (35.00) | N/A | 736.6 (29.00) | 762.0 (30.00) | 965.2 (38.00) | 196.9 (7.75) | 50.8 (2.00) | NCSEW303808 | |
| 914.4 (36.00) | 1117.6 (44.00) | 509.5 (20.06) | N/A | 889.0 (35.00) | N/A | 736.6 (29.00) | 762.0 (30.00) | 965.2 (38.00) | 196.9 (7.75) | 196.9 (7.75) | NCSEW303816 ① | |

① Cast Control Center does not have ATEX certification.

② ATEX complete product certification add suffix **-X**.

③ ATEX U Component certification add suffix **-XU**.

NCSEW Cast Control Center Dimensions

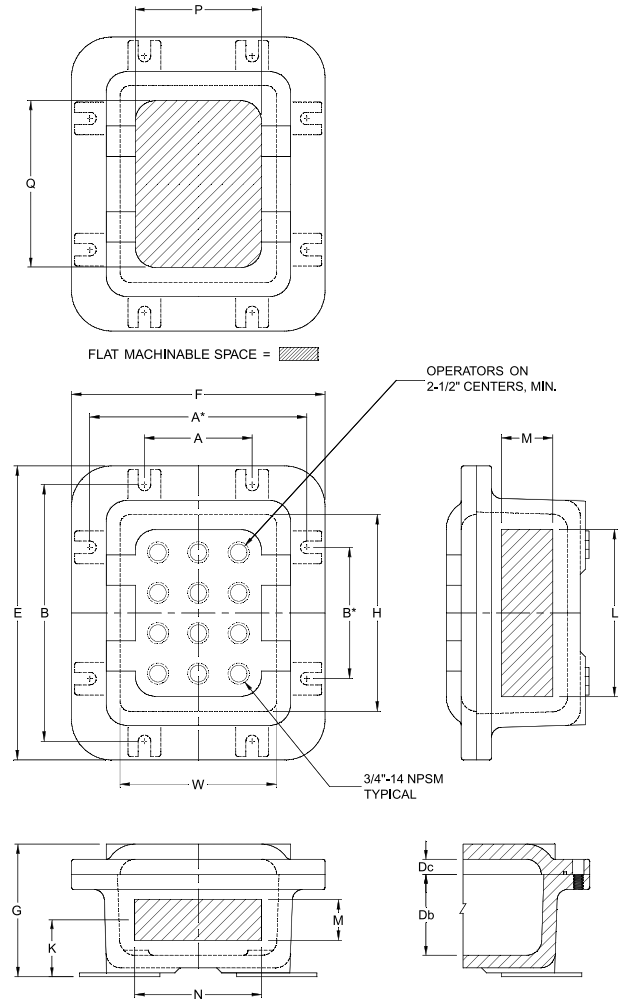
Explosionproof, Dust-Ignitionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| Dimensions in Millimeters (Inches) | | | | | |
|------------------------------------|---------------|----------------|---------------|--------------|--------------|
| Flat Machine Space | | Conduit Area | | | |
| Q | P | L | N | M | K |
| 231.9 (9.13) | 117.6 (4.63) | 228.6 (9.00) | 115.8 (4.56) | 65.0 (2.56) | 50.8 (2.00) |
| 158.8 (6.25) | 108.0 (4.25) | 171.5 (6.75) | 120.7 (4.75) | 57.2 (2.25) | 63.5 (2.50) |
| 263.7 (10.38) | 146.1 (5.75) | 252.5 (9.94) | 136.7 (5.38) | 55.6 (2.19) | 50.8 (2.00) |
| 257.3 (10.13) | 104.9 (4.13) | 279.4 (11.00) | 127.0 (5.00) | 58.7 (2.31) | 57.2 (2.25) |
| 331.7 (13.06) | 139.7 (5.50) | 384.3 (15.13) | 143.0 (5.63) | 57.2 (2.25) | 58.7 (2.31) |
| 277.9 (10.94) | 189.0 (7.44) | 247.7 (9.75) | 158.8 (6.25) | 104.9 (4.13) | 85.9 (3.38) |
| 158.8 (6.25) | 158.8 (6.25) | 146.1 (5.75) | 146.1 (5.75) | 95.3 (3.75) | 82.6 (3.25) |
| 209.6 (8.25) | 158.8 (6.25) | 216.2 (8.51) | 158.8 (6.25) | 101.6 (4.00) | 88.9 (3.50) |
| 360.4 (14.19) | 228.6 (9.00) | 285.8 (11.25) | 160.3 (6.31) | 44.5 (1.75) | 69.9 (2.75) |
| 282.7 (11.13) | 238.3 (9.38) | 238.3 (9.38) | 193.8 (7.63) | 82.6 (3.25) | 82.6 (3.25) |
| 314.5 (12.38) | 158.8 (6.25) | 362.7 (14.28) | 200.2 (7.88) | 88.9 (3.50) | 76.2 (3.00) |
| 182.6 (7.19) | 182.6 (7.19) | 179.3 (7.06) | 179.3 (7.06) | 76.2 (3.00) | 85.9 (3.38) |
| 323.9 (12.75) | 222.3 (8.75) | 311.2 (12.25) | 209.6 (8.25) | 84.1 (3.31) | 79.5 (3.13) |
| 323.9 (12.75) | 222.3 (8.75) | 311.2 (12.25) | 209.6 (8.25) | 157.2 (6.19) | 112.8 (4.44) |
| 433.3 (17.06) | 212.9 (8.38) | 452.4 (17.81) | 238.3 (9.38) | 63.5 (2.50) | 88.9 (3.50) |
| 543.1 (21.38) | 196.9 (7.75) | 574.8 (22.63) | 231.9 (9.13) | 106.4 (4.19) | 101.6 (4.00) |
| 666.8 (26.25) | 193.8 (7.63) | 701.8 (27.63) | 230.1 (9.06) | 103.1 (4.06) | 106.4 (4.19) |
| 235.0 (9.25) | 235.0 (9.25) | 266.7 (10.50) | 266.7 (10.50) | 95.3 (3.75) | 95.3 (3.75) |
| 235.0 (9.25) | 235.0 (9.25) | 266.7 (10.50) | 266.7 (10.50) | 153.9 (6.06) | 120.7 (4.75) |
| 387.4 (15.25) | 235.0 (9.25) | 382.5 (15.06) | 230.1 (9.06) | 76.2 (3.00) | 88.9 (3.50) |
| 387.4 (15.25) | 235.0 (9.25) | 382.5 (15.06) | 230.1 (9.06) | 127.0 (5.00) | 108.0 (4.25) |
| 558.8 (22.00) | 254.0 (10.00) | 557.3 (21.94) | 247.7 (9.75) | 139.7 (5.50) | 108.0 (4.25) |
| 844.6 (33.25) | 241.3 (9.50) | 873.3 (34.38) | 238.3 (9.38) | 139.7 (5.50) | 115.8 (4.56) |
| 892.3 (35.13) | 270.0 (10.63) | 908.1 (35.75) | 292.1 (11.50) | 98.6 (3.88) | 109.5 (4.31) |
| 279.4 (11.00) | 279.4 (11.00) | 317.5 (12.50) | 317.5 (12.50) | 88.9 (3.50) | 98.6 (3.88) |
| 279.4 (11.00) | 279.4 (11.00) | 317.5 (12.50) | 317.5 (12.50) | 139.7 (5.50) | 101.6 (4.00) |
| 539.8 (21.25) | 301.8 (11.88) | 558.8 (22.00) | 320.8 (12.63) | 155.7 (6.13) | 101.6 (4.00) |
| 863.6 (34.00) | 390.7 (15.38) | 890.5 (35.06) | 339.9 (13.38) | 125.5 (4.94) | 133.4 (5.25) |
| 336.6 (13.25) | 336.6 (13.25) | 355.6 (14.00) | 355.6 (14.00) | 88.9 (3.50) | 98.6 (3.88) |
| 336.6 (13.25) | 336.6 (13.25) | 355.6 (14.00) | 355.6 (14.00) | 155.7 (6.13) | 124.0 (4.88) |
| 425.5 (16.75) | 374.7 (14.75) | 409.7 (16.13) | 355.6 (14.00) | 252.5 (9.94) | 177.8 (7.00) |
| 482.6 (19.00) | 330.2 (13.00) | 496.8 (19.56) | 344.4 (13.56) | 57.2 (2.25) | 84.1 (3.31) |
| 539.8 (21.25) | 336.6 (13.25) | 558.8 (22.00) | 355.6 (14.00) | 152.4 (6.00) | 134.9 (5.31) |
| 641.4 (25.25) | 336.6 (13.25) | 636.5 (25.06) | 331.7 (13.06) | 44.5 (1.75) | 79.5 (3.13) |
| 387.4 (15.25) | 387.4 (15.25) | 406.4 (16.00) | 406.4 (16.00) | 88.9 (3.50) | 104.9 (4.13) |
| 387.4 (15.25) | 387.4 (15.25) | 406.4 (16.00) | 406.4 (16.00) | 139.7 (5.50) | 114.3 (4.50) |
| 539.8 (21.25) | 387.4 (15.25) | 552.5 (21.75) | 400.1 (15.75) | 139.7 (5.50) | 128.5 (5.06) |
| 539.8 (21.25) | 387.4 (15.25) | 552.5 (21.75) | 400.1 (15.75) | 190.5 (7.50) | 146.1 (5.75) |
| 692.2 (27.25) | 387.4 (15.25) | 711.2 (28.00) | 406.4 (16.00) | 139.7 (5.50) | 120.7 (4.75) |
| 850.9 (33.50) | 368.3 (14.50) | 866.9 (34.13) | 401.6 (15.81) | 139.7 (5.50) | 120.7 (4.75) |
| 850.9 (33.50) | 368.3 (14.50) | 866.9 (34.13) | 401.6 (15.81) | 190.5 (7.50) | 139.7 (5.50) |
| 997.0 (39.25) | 397.0 (15.63) | 1038.4 (40.88) | 435.1 (17.13) | 127.0 (5.00) | 127.0 (5.00) |
| 1432.1 (56.3) | 416.1 (16.38) | 1460.5 (57.50) | 444.5 (17.50) | 127.0 (5.00) | 120.7 (4.75) |
| 539.8 (21.25) | 539.8 (21.25) | 562.1 (22.13) | 562.1 (22.13) | 139.7 (5.50) | 127.0 (5.00) |
| 539.8 (21.25) | 539.8 (21.25) | 562.1 (22.13) | 562.1 (22.13) | 190.5 (7.50) | 155.7 (6.13) |
| 657.4 (25.88) | 505.0 (19.88) | 695.5 (27.38) | 543.1 (21.38) | 150.9 (5.94) | 133.4 (5.25) |
| 844.6 (33.25) | 533.4 (21.00) | 863.6 (34.00) | 533.4 (21.00) | 149.4 (5.88) | 130.3 (5.13) |
| 844.6 (33.25) | 533.4 (21.00) | 863.6 (34.00) | 533.4 (21.00) | 190.5 (7.50) | 152.4 (6.00) |
| 1013.0 (39.8) | 809.8 (31.88) | 879.6 (34.63) | 676.4 (26.63) | 120.7 (4.75) | 155.7 (6.13) |
| 1013.0 (39.8) | 809.8 (31.88) | 879.6 (34.63) | 676.4 (26.63) | 120.7 (4.75) | 155.7 (6.13) |

Dimensions



NCSEW Cast Control Center

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

IECEx:

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX/IEC
 IP66 – IK10

| Maximum Window Size Group B, C, D in Millimeters (Inches) | Maximum Number of Operators ② | Number of Rows (Tall) (Wide) | Cover Thickness Millimeters (Inches) | Maximum Conduit Size (NPT) | Approximate Weight Kgs (Lbs) | Mounting Hardware Catalog Number | Catalog Number ① |
|---|-------------------------------------|------------------------------------|--|----------------------------------|------------------------------------|--|---------------------|
| N/A | 8 | 4 | 2 | 12.7 (0.50) | 1.50 | 9.5 (21) | NMH2 NCSEW050903 |
| N/A | 6 | 3 | 2 | 19.1 (0.75) | 2.00 | 9.1 (20) | NMH2 NCSEW060804 |
| N/A | 8 | 4 | 2 | 16.0 (0.63) | 1.50 | 12.2 (27) | NMH2 NCSEW061004 |
| N/A | 8 | 4 | 2 | 16.0 (0.63) | 2.00 | 15.9 (25) | NMH2 NCSEW061204 |
| N/A | 10 | 5 | 2 | 16.0 (0.63) | 1.50 | 14.5 (32) | NMH2 NCSEW061604 |
| 76.2 (3.00) | 12 | 6 | 2 | 19.1 (0.75) | 2.00 | 15.9 (35) | NMH2 NCSEW071106 |
| 76.2 (3.00) | 9 | 3 | 3 | 19.1 (0.75) | 2.00 | 13.6 (30) | NMH2 NCSEW080806 |
| 76.2 (3.00) | 9 | 3 | 3 | 19.1 (0.75) | 2.00 | 16.4 (36) | NMH4 NCSEW081006 |
| 76.2 (3.00) | 15 | 5 | 3 | 19.1 (0.75) | 2.00 | 13.6 (30) | NMH2 NCSEW081307 |
| 101.6 (4.00) | 16 | 4 | 4 | 17.5 (0.69) | 2.00 | 10.0 (22) | NMH2 NCSEW091105 |
| 76.2 (3.00) | 15 | 5 | 3 | 19.1 (0.75) | 2.00 | 15.0 (33) | NMH2 NCSEW091504 |
| 101.6 (4.00) | 9 | 3 | 3 | 19.1 (0.75) | 2.00 | 20.0 (44) | NMH2 NCSEW101006 |
| 101.6 (4.00) | 20 | 5 | 4 | 19.1 (0.75) | 2.00 | 25.0 (55) | NMH4 NCSEW101406 |
| 101.6 (4.00) | 20 | 5 | 4 | 19.1 (0.75) | 4.00 | 27.2 (60) | NMH2 NCSEW101408 |
| 101.6 (4.00) | 21 | 7 | 3 | 22.4 (0.88) | 3.00 | 38.6 (85) | NMH8 NCSEW112005 |
| 101.6 (4.00) | 27 | 9 | 3 | 22.4 (0.88) | 3.00 | 32.7 (72) | NMH8 NCSEW112406 |
| 2 @ 101.6 (4.00) | 33 | 11 | 3 | 22.4 (0.88) | 3.00 | 51.3 (113) | NMH8 NCSEW113006 |
| 101.6 (4.00) | 16 | 4 | 4 | 19.1 (0.75) | 3.00 | 29.5 (65) | NMH8 NCSEW121206 |
| 101.6 (4.00) | 16 | 4 | 4 | 19.1 (0.75) | 3.50 | 31.8 (70) | NMH8 NCSEW121208 |
| 101.6 (4.00) | 24 | 6 | 4 | 19.1 (0.75) | 4.00 | 40.9 (90) | NMH5 NCSEW121806 |
| 101.6 (4.00) | 24 | 6 | 4 | 19.1 (0.75) | 4.00 | 45.8 (101) | NMH5 NCSEW121808 |
| 101.6 (4.00) | 36 | 9 | 4 | 25.4 (1.00) | 4.00 | 62.6 (138) | NMH4 NCSEW122408 |
| 3 @ 127.0 (5.00) | 39 | 13 | 3 | 28.7 (1.13) | 4.00 | 98.9 (218) | NMH5 NCSEW123608 ③ |
| 3 @ 127.0 (5.00) | 56 | 14 | 4 | 25.4 (1.00) | 3.50 | 86.2 (190) | NMH8 NCSEW133806 |
| 127.0 (5.00) | 16 | 4 | 4 | 19.1 (0.75) | 3.50 | 44.5 (98) | NMH8 NCSEW141406 |
| 127.0 (5.00) | 16 | 4 | 4 | 19.1 (0.75) | 3.00 | 47.6 (105) | NMH8 NCSEW141408 |
| 177.8 (7.00) | 40 | 8 | 5 | 25.4 (1.00) | 4.00 | 59.4 (131) | NMH6 NCSEW142408 |
| 2 @ 228.6 (9.00) | 65 | 13 | 5 | 28.7 (1.13) | 4.00 | 113.4 (250) | NMH8 NCSEW153707 |
| 228.6 (9.00) | 25 | 5 | 5 | 25.4 (1.00) | 3.50 | 59.9 (132) | NMH8 NCSEW161606 |
| 228.6 (9.00) | 25 | 5 | 5 | 25.4 (1.00) | 4.00 | 63.5 (140) | NMH8 NCSEW161608 |
| 228.6 (9.00) | 42 | 7 | 6 | 31.8 (1.25) | 4.00 | 68.0 (150) | NMH8 NCSEW161812 |
| 228.6 (9.00) | 35 | 7 | 5 | 31.8 (1.25) | 3.00 | 59.0 (130) | NMH8 NCSEW162206 ③ |
| 228.6 (9.00) | 40 | 8 | 5 | 26.9 (1.06) | 4.00 | 81.6 (180) | NMH6 NCSEW162408 |
| 2 @ 228.6 (9.00) | 50 | 10 | 5 | 25.4 (1.00) | 3.00 | 68.0 (150) | NMH8 NCSEW162806 ③ |
| 228.6 (9.00) | 36 | 6 | 6 | 23.9 (0.94) | 3.50 | 85.3 (188) | NMH8 NCSEW181806 |
| 228.6 (9.00) | 36 | 6 | 6 | 23.9 (0.94) | 4.00 | 89.8 (198) | NMH8 NCSEW181808 |
| 228.6 (9.00) | 48 | 8 | 6 | 33.3 (1.31) | 4.00 | 101.6 (224) | NMH8 NCSEW182408 |
| 228.6 (9.00) | 48 | 8 | 6 | 33.3 (1.31) | 4.00 | 106.6 (235) | NMH8 NCSEW182410 |
| 2 @ 228.6 (9.00) | 66 | 11 | 6 | 31.8 (1.25) | 4.00 | 120.2 (265) | NMH5 NCSEW183008 |
| 2 @ 228.6 (9.00) | 78 | 13 | 6 | 28.7 (1.13) | 4.00 | 113.4 (250) | NMH8 NCSEW183608 |
| 2 @ 228.6 (9.00) | 78 | 13 | 6 | 28.7 (1.13) | 4.00 | 122.5 (270) | NMH8 NCSEW183610 |
| 2 @ 228.6 (9.00) | 90 | 15 | 6 | 31.8 (1.25) | 4.00 | 140.6 (310) | NMH8 NCSEW184207 |
| 3 @ 228.6 (9.00) | 132 | 22 | 6 | 25.4 (1.00) | 4.00 | 236.3 (521) | NMH6 NCSEW206008 ③ |
| 228.6 (9.00) | 64 | 8 | 8 | 28.7 (1.13) | 4.00 | 102.1 (225) | NMH8 NCSEW242408 |
| 228.6 (9.00) | 64 | 8 | 8 | 28.7 (1.13) | 4.00 | 108.9 (240) | NMH8 NCSEW242410 ③ |
| 2 @ 177.8 (7.00) | 80 | 10 | 8 | 28.7 (1.13) | 4.00 | 190.5 (420) | NMH8 NCSEW243008 |
| 2 @ 228.6 (9.00) | 104 | 13 | 8 | 38.1 (1.50) | 4.00 | 190.5 (420) | NMH5 NCSEW243608 |
| 2 @ 228.6 (9.00) | 104 | 13 | 8 | 38.1 (1.50) | 4.00 | 204.1 (450) | NMH5 NCSEW243610 |
| 4 @ 228.6 (9.00) | 130 | 13 | 10 | 44.5 (1.75) | 4.00 | 272.1 (600) | NMH6 NCSEW303808 |
| 4 @ 228.6 (9.00) | 130 | 13 | 10 | 44.5 (1.75) | 4.00 | 362.9 (800) | NMH6 NCSEW303816 ③ |

Due to the nature of the sand cast process, external dimensions are subject to vary +/- 3.2 mm (0.125").

① ATEX complete product certification will bear an **X** suffix. ATEX U Component certification will bear an **XU** suffix.

② With window installed contact your local representative for maximum number of operators.

③ Cast Control Center does not have ATEX certification.

NCSEW Cast Control Center Options and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Round Windows

| Catalog Number | Description |
|----------------|--------------------------------|
| NW5 | 3" Viewing Area, Round Group B |
| NW6 | 4" Viewing Area, Round Group B |
| NW7 | 5" Viewing Area, Round Group B |
| NW10 | 7" Viewing Area, Round Group B |
| NW12 | 9" Viewing Area, Round Group B |

Square Windows

Contact your local representative

Circuit Breaker Operators

| Catalog Number | Description |
|----------------|---------------------------------|
| NV1W | 150AF Circuit Breaker Mechanism |
| NV2W | 250AF Circuit Breaker Mechanism |

Options

| Factory Installed Suffix | Field Installed Catalog Number | Description |
|--------------------------|--------------------------------|---|
| AB | N/A | Set of 4 standoffs 1/2" high |
| BR | BRTB4X | Breather, NEMA 4X (includes outlet and installation) |
| DN | DRNB4X | Drain, NEMA 4X (includes outlet and installation) |
| EGS | N/A | External grounding stud 3/8"-16 |
| G1 | N/A | Gray Powder Coat Epoxy (outside) |
| G2 | N/A | Gray Powder Coat Epoxy (inside and outside) |
| H | | Hinges stainless steel |
| | AHOF12SS | Hinge Kit, 2 light duty SS hinges |
| | AHOF22SS | Hinge Kit, 2 heavy duty SS hinges |
| | AHOF23SS | Hinge Kit, 3 heavy duty SS hinges |
| K ① | N/A | Terminal blocks 600 Vac, 30 Amp (example: 5 points = 5K) |
| NP | N/A | Plastic nameplate, 2" x 4", 1/8" black letters on white surface, 3 lines max, specify legend. |
| NPSM75 | N/A | 3/4" NPSM Drill and Tap |
| Z | See Options and Accessories | Mounting pan |

Mounting Hardware

| Field Installed Catalog Number | Description |
|--------------------------------|--|
| NMH1 | 1/4" - 20 x 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers |
| NMH2 | 3/8" - 16 x 1-1/4" Bolt, 3/8" - 16 Hex Nut, 3/8" Washers |
| NMH3 | 7/16" - 14 x 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers |
| NMH4 | 1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| NMH5 | 1/2" - 13 x 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| NMH6 | 5/8" - 11 x 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |
| NMH7 | 1/2" - 13 x 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers |
| NMH8 | 5/8" - 11 x 1-1/4" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers |

Drill and Tap Options

| Symbol | Conduit Size (Inches - NPT) |
|--------|-----------------------------|
| A | 1/2 |
| B | 3/4 |
| C | 1 |
| D | 1-1/4 |
| E | 1-1/2 |
| F | 2 |
| G | 2-1/2 |
| H | 3 |
| J | 3-1/2 |
| K | 4 |

Blind Tapped Holes

| Suffix | Screw Size |
|--------|--------------|
| BT1 | #6 - 1/4" |
| BT2 | 5/16" - 1/2" |

① Indicate number of points.

NCSEW Cast Control Center Options and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Operators/Pilot Devices

| Factory Installed Suffix | Description |
|--------------------------|---|
| A2X | 2-Pos Selector Switch |
| A3X | 3-Pos Selector Switch |
| A31X | Spring Return From Left to Center |
| A32X | Spring Return From Right to Center |
| A33X | Spring Return From Left and Right to Center |
| A34X | 3-Pos Selector Switch - Key Operated |
| L1 | Amber Pilot Light, 120 Vac |
| L12 | Amber Pilot Light, 240 Vac |
| L14 | Amber Pilot Light, 480 Vac |
| L12G | Amber Pilot Light, 240 Vac, Guarded |
| L14G | Amber Pilot Light, 480 Vac, Guarded |
| L1G | Amber Pilot Light, 120 Vac, Guarded |
| L2 | Blue Pilot Light, 120 Vac |
| L22 | Blue Pilot Light, 240 Vac |
| L24 | Blue Pilot Light, 480 Vac |
| L22G | Blue Pilot Light, 240 Vac, Guarded |
| L24G | Blue Pilot Light, 480 Vac, Guarded |
| L2G | Blue Pilot Light, 120 Vac, Guarded |
| L3 | Clear Pilot Light, 120 Vac |
| L32 | Clear Pilot Light, 240 Vac |
| L34 | Clear Pilot Light, 480 Vac |
| L32G | Clear Pilot Light, 240 Vac, Guarded |
| L34G | Clear Pilot Light, 480 Vac, Guarded |
| L3G | Clear Pilot Light, 120 Vac, Guarded |
| L4 | Green Pilot Light, 120 Vac |
| L42 | Green Pilot Light, 240 Vac |
| L44 | Green Pilot Light, 480 Vac |
| L42G | Green Pilot Light, 240 Vac, Guarded |
| L42G | Green Pilot Light, 240 Vac, Guarded |
| L4G | Green Pilot Light, 120 Vac, Guarded |
| L5 | Red Pilot Light, 120 Vac |

| Factory Installed Suffix | Description |
|--------------------------|--------------------------------------|
| L52 | Red Pilot Light, 240 Vac |
| L54 | Red Pilot Light, 480 Vac |
| L52G | Red Pilot Light, 240 Vac, Guarded |
| L52G | Red Pilot Light, 240 Vac, Guarded |
| L5G | Red Pilot Light, 120 Vac, Guarded |
| LP1X | Amber Lighted Push Button, 120 Vac |
| LP12X | Amber Lighted Push Button, 240 Vac |
| LP14X | Amber Lighted Push Button, 480 Vac |
| LP2X | Blue Lighted Push Button, 120 Vac |
| LP22X | Blue Lighted Push Button, 240 Vac |
| LP24X | Blue Lighted Push Button, 480 Vac |
| LP3X | Clear Lighted Push Button, 120 Vac |
| LP32X | Clear Lighted Push Button, 240 Vac |
| LP34X | Clear Lighted Push Button, 480 Vac |
| LP4X | Green Lighted Push Button, 120 Vac |
| LP42X | Green Lighted Push Button, 240 Vac |
| LP44X | Green Lighted Push Button, 480 Vac |
| LP4X | Green Lighted Push Button, 120 Vac |
| LP52X | Red Lighted Push Button, 240 Vac |
| LP54X | Red Lighted Push Button, 480 Vac |
| PO1 | Potentiometer Operator, Short Barrel |
| PO2 | Potentiometer Operator, Long Barrel |
| RS | Reset Button |
| S1X | Start Button |
| S2X | Stop Button |
| S3X | Start/Stop Button |
| S4X | Emergency Stop |
| S5X | Emergency Stop, Maintained |
| S6X | Black Push Button, NO |
| S7X | Black Push Button, NC |
| S8X | Black Push Button, NO/NC |

NCSEW Cast Control Center Options and Accessories

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Mounting Pans

| Overall Dimensions in Millimeters (Inches) | | Mounting Pan Catalog Number | Junction Box Catalog Number | Overall Dimensions in Millimeters (Inches) | | Mounting Pan Catalog Number | Junction Box Catalog Number |
|--|----------------|-----------------------------|-----------------------------|--|----------------|-----------------------------|-----------------------------|
| W | H | | | W | H | | |
| 88.9 (3.50) | 215.9 (8.50) | NZ-593 | NCSEW050903 | 311.2 (12.25) | 311.2 (12.25) | NZ-14146/8 | NCSEW141408 |
| 114.3 (4.50) | 165.1 (6.50) | NZ-684 | NCSEW060804 | 355.6 (14.00) | 568.5 (22.38) | NZ-14248 | NCSEW142408 |
| 127.0 (5.00) | 254.0 (10.00) | NZ-6104 | NCSEW061004 | 368.3 (14.50) | 901.7 (35.50) | NZ-15377 | NCSEW153707 |
| 139.7 (5.50) | 279.4 (11.00) | NZ-6124 | NCSEW061204 | 381.0 (15.00) | 381.0 (15.00) | NZ-16166/8 | NCSEW161606 |
| 13.4 (5.25) | 381.0 (15.00) | NZ-6164 | NCSEW061604 | 381.0 (15.00) | 381.0 (15.00) | NZ-16166/8 | NCSEW161608 |
| 165.1 (6.50) | 254.0 (10.00) | NZ-7116 | NCSEW071106 | 381.0 (15.00) | 406.4 (16.00) | NZ-161812 | NCSEW161812 |
| 165.1 (6.50) | 165.1 (6.50) | NZ-886 | NCSEW080806 | 355.6 (14.00) | 508.0 (20.00) | NZ-16226 | NCSEW162206 |
| 165.1 (6.50) | 215.9 (8.50) | NZ-8106 | NCSEW081006 | 374.7 (14.75) | 577.9 (22.75) | NZ-16248 | NCSEW162408 |
| 152.4 (6.00) | 279.4 (11.00) | NZ-8137 | NCSEW081307 | 355.6 (14.00) | 660.4 (26.00) | NZ-16286 | NCSEW162806 |
| 209.6 (8.25) | 254.0 (10.00) | NZ-9115 | NCSEW091105 | 406.4 (16.00) | 406.4 (16.00) | NZ-18186/8 | NCSEW181806 |
| 206.5 (8.13) | 374.65 (14.75) | NZ-9154 | NCSEW091504 | 406.4 (16.00) | 406.4 (16.00) | NZ-18186/8 | NCSEW181808 |
| 190.5 (7.50) | 190.5 (7.50) | NZ-10104/6 | NCSEW101006 | 406.4 (16.00) | 558.8 (22.00) | NZ-18248/10 | NCSEW182408 |
| 228.6 (9.00) | 330.2 (13.00) | NZ-10146/8 | NCSEW101406 | 406.4 (16.00) | 558.8 (22.00) | NZ-18248/10 | NCSEW182410 |
| 228.6 (9.00) | 330.2 (13.00) | NZ-10146/8 | NCSEW101408 | 406.4 (16.00) | 711.2 (28.00) | NZ-18308 | NCSEW183008 |
| 266.7 (10.50) | 482.6 (19.00) | NZ-11205 | NCSEW112005 | 431.8 (17.00) | 882.7 (34.75) | NZ-18368/10 | NCSEW183608 |
| 251.0 (9.88) | 590.6 (23.25) | NZ-11246 | NCSEW112406 | 431.8 (17.00) | 882.7 (34.75) | NZ-18368/10 | NCSEW183610 |
| 251.0 (9.88) | 723.9 (28.50) | NZ-11306 | NCSEW113006 | 431.8 (17.00) | 1016.0 (40.00) | NZ-18427 | NCSEW184207 |
| 266.7 (10.50) | 266.7 (10.50) | NZ-12126/8 | NCSEW121206 | 457.2 (18.00) | 1460.5 (57.50) | NZ-20608 | NCSEW206008 |
| 266.7 (10.50) | 266.7 (10.50) | NZ-12126/8 | NCSEW121208 | 558.8 (22.00) | 558.8 (22.00) | NZ-24248/10 | NCSEW242408 |
| 266.7 (10.50) | 419.1 (16.50) | NZ-12186/8 | NCSEW121806 | 558.8 (22.00) | 558.8 (22.00) | NZ-24248/10 | NCSEW242410 |
| 266.7 (10.50) | 419.1 (16.50) | NZ-12186/8 | NCSEW121808 | 571.5 (22.50) | 711.2 (28.00) | NZ-24308 | NCSEW243008 |
| 273.1 (10.75) | 574.8 (22.63) | NZ-12248 | NCSEW122408 | 558.8 (22.00) | 863.6 (34.00) | NZ-24368/10 | NCSEW243608 |
| 254.0 (10.00) | 863.6 (34.00) | NZ-12368 | NCSEW123608 | 558.8 (22.00) | 863.6 (34.00) | NZ-24368/10 | NCSEW243610 |
| 292.1 (11.50) | 924.1 (36.38) | NZ-13386 | NCSEW133806 | 711.2 (28.00) | 914.1 (36.00) | NZ-30388 | NCSEW303808 |
| 311.2 (12.25) | 311.2 (12.25) | NZ-14146/8 | NCSEW141406 | 711.2 (28.00) | 914.1 (36.00) | NZ-30388 | NCSEW303816 |

NCSEW Control Operators: Push Button Components

Momentary Contact. Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide

AE
 Appleton Explosionproof

P
 Push Button

D
 Dual Push Button:
 Omit for Single Push Button

B
 Color:
 B - Black
 R - Red
 G - Green

A
 Contact Arrangement:
 A - 1 NO
 B - 2 NO
 C - 1 NC
 D - 2 NC
 E - 1 NO and 1 NC
 F - 2 NO and 2 NC

L
 Long Barrel:
 Omit for Short Barrel



AEPBA



AEPDGRA

Single Push Buttons

| Contacts ① | Button Color | Catalog Number | |
|---------------|--------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 1 NO | Black | NEPBA | NEPBA-L |
| 1 NO | Red | NEPRA | NEPRA-L |
| 1 NO | Green | NEPGN | NEPGA-L |
| 2 NO | Black | NEPBB | NEPBB-L |
| 2 NO | Red | NEPRB | NEPRB-L |
| 2 NO | Green | NEPGB | NEPGB-L |
| 1 NC | Black | NEPBC | NEPBC-L |
| 1 NC | Red | NEPRC | NEPRC-L |
| 1 NC | Green | NEPGC | NEPGC-L |
| 2 NC | Black | NEPBD | NEPBD-L |
| 2 NC | Red | NEPRD | NEPRD-L |
| 2 NC | Green | NEPGD | NEPGD-L |
| 1 NO and 1 NC | Black | NEPBE | NEPBE-L |
| 1 NO and 1 NC | Red | NEPRE | NEPRE-L |
| 1 NO and 1 NC | Green | NEPGE | NEPGE-L |
| 2 NO and 2 NC | Black | NEPBF | NEPBF-L |
| 2 NO and 2 NC | Red | NEPRF | NEPRF-L |
| 2 NO and 2 NC | Green | NEPGF | NEPGF-L |

Dual Push Buttons

| Contacts ① | Button Color | Catalog Number | |
|---------------|--------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 2 NO | Green/Red | NEPDGRB | NEPDGRB-L |
| 2 NO | Black/Black | NEPD BBB | NEPD BBB-L |
| 2 NC | Green/Red | NEPDGRD | NEPDGRD-L |
| 2 NC | Black/Black | NEPD BB D | NEPD BB D-L |
| 1 NO and 1 NC | Green/Red | NEPDGRE | NEPDGRE-L |
| 1 NO and 1 NC | Black/Black | NEPD BBE | NEPD BBE-L |
| 2 NO and 2 NC | Green/Red | NEPDGRF | NEPDGRF-L |
| 2 NO and 2 NC | Black/Black | NEPD BB F | NEPD BB F-L |

① NO = Normally Open; NC = Normally Closed.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Pilot Light Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide

AE
 NEC/CEC Certified
 Appleton Explosionproof

PL
 Pilot Light

G
 Guard:
 Omit for Standard Version
 (no guard)

1
 Voltage:
 1 - 120 Vac Pigtail
 2 - 240/120 Vac Transformer
 3 - 120/6 Vac Transformer
 4 - 480/120 Vac Transformer
 5 - 600/120 Vac Transformer
 6 - 6 Vac Pigtail
 7 - 12 Vac Pigtail
 8 - 24 Vac Pigtail
 9 - 48 Vac Pigtail

A
 Color:
 A - Amber
 B - Blue
 C - Clear
 R - Red
 G - Green

L
 Long Barrel:
 Omit for Short Barrel



Standard



Guarded

| Voltage | Lens Color | Pilot Light Catalog Number | | Guarded Pilot Light Catalog Number | |
|------------------------------------|------------|----------------------------|-------------|------------------------------------|-------------|
| | | Short Barrel | Long Barrel | Short Barrel | Long Barrel |
| 120 Vac/Vdc Pigtail | Amber | NEPL1A ① | NEPL1A-L ① | NEPLG1A ① | NEPLG1A-L ① |
| | Red | NEPL1R ① | NEPL1R-L ① | NEPLG1R ① | NEPLG1R-L ① |
| | Green | NEPL1G ① | NEPL1G-L ① | NEPLG1G ① | NEPLG1G-L ① |
| | Clear | NEPL1C ① | NEPL1C-L ① | NEPLG1C ① | NEPLG1C-L ① |
| | Blue | NEPL1B ① | NEPL1B-L ① | NEPLG1B ① | NEPLG1B-L ① |
| 240 Vac Transformer w/120 Vac Lamp | Amber | NEPL2A ② | NEPL2A-L ② | NEPLG2A ② | NEPLG2A-L ② |
| | Red | NEPL2R ② | NEPL2R-L ② | NEPLG2R ② | NEPLG2R-L ② |
| | Green | NEPL2G ② | NEPL2G-L ② | NEPLG2G ② | NEPLG2G-L ② |
| | Clear | NEPL2C ② | NEPL2C-L ② | NEPLG2C ② | NEPLG2C-L ② |
| 120 Vac Transformer w/6 Vac Lamp | Blue | NEPL2B ② | NEPL2B-L ② | NEPLG2B ② | NEPLG2B-L ② |
| | Amber | NEPL3A ② | NEPL3A-L ② | NEPLG3A ② | NEPLG3A-L ② |
| | Red | NEPL3R ② | NEPL3R-L ② | NEPLG3R ② | NEPLG3R-L ② |
| | Green | NEPL3G ② | NEPL3G-L ② | NEPLG3G ② | NEPLG3G-L ② |
| | Clear | NEPL3C ② | NEPL3C-L ② | NEPLG3C ② | NEPLG3C-L ② |
| | Blue | NEPL3B ② | NEPL3B-L ② | NEPLG3B ② | NEPLG3B-L ② |

① For pilot light with ATEX Certification place an X suffix at the end of the catalog number; example: AEPL1AX.
 ② Not available with ATEX Certification.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Pilot Light Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| Voltage | Lens Color | Pilot Light Catalog Number | | Guarded Pilot Light Catalog Number | |
|--|------------|----------------------------|-------------|------------------------------------|-------------|
| | | Short Barrel | Long Barrel | Short Barrel | Long Barrel |
| 480 Vac Transformer w/120 Vac Lamp | Amber | NEPL4A ② | NEPL4A-L ② | NEPLG4A ② | NEPLG4A-L ② |
| | Red | NEPL4R ② | NEPL4R-L ② | NEPLG4R ② | NEPLG4R-L ② |
| | Green | NEPL4G ② | NEPL4G-L ② | NEPLG4G ② | NEPLG4G-L ② |
| | Clear | NEPL4C ② | NEPL4C-L ② | NEPLG4C ② | NEPLG4C-L ② |
| | Blue | NEPL4B ② | NEPL4B-L ② | NEPLG4B ② | NEPLG4B-L ② |
| 600 Vac Transformer w/120 Vac Lamp | Amber | NEPL5A ② | NEPL5A-L ② | NEPLG5A ② | NEPLG5A-L ② |
| | Red | NEPL5R ② | NEPL5R-L ② | NEPLG5R ② | NEPLG5R-L ② |
| | Green | NEPL5G ② | NEPL5G-L ② | NEPLG5G ② | NEPLG5G-L ② |
| | Clear | NEPL5C ② | NEPL5C-L ② | NEPLG5C ② | NEPLG5C-L ② |
| | Blue | NEPL5B ② | NEPL5B-L ② | NEPLG5B ② | NEPLG5B-L ② |
| 6 Vac/Vdc Pigtail | Amber | NEPL6A ① | NEPL6A-L ① | NEPLG6A ① | NEPLG6A-L ① |
| | Red | NEPL6R ① | NEPL6R-L ① | NEPLG6R ① | NEPLG6R-L ① |
| | Green | NEPL6G ① | NEPL6G-L ① | NEPLG6G ① | NEPLG6G-L ① |
| | Clear | NEPL6C ① | NEPL6C-L ① | NEPLG6C ① | NEPLG6C-L ① |
| | Blue | NEPL6B ① | NEPL6B-L ① | NEPLG6B ① | NEPLG6B-L ① |
| 12 Vac/Vdc Pigtail | Amber | NEPL7A ① | NEPL7A-L ① | NEPLG7A ① | NEPLG7A-L ① |
| | Red | NEPL7R ① | NEPL7R-L ① | NEPLG7R ① | NEPLG7R-L ① |
| | Green | NEPL7G ① | NEPL7G-L ① | NEPLG7G ① | NEPLG7G-L ① |
| | Clear | NEPL7C ① | NEPL7C-L ① | NEPLG7C ① | NEPLG7C-L ① |
| | Blue | NEPL7B ① | NEPL7B-L ① | NEPLG7B ① | NEPLG7B-L ① |
| 24 Vac/Vdc Pigtail | Amber | NEPL8A ① | NEPL8A-L ① | NEPLG8A ① | NEPLG8A-L ① |
| | Red | NEPL8R ① | NEPL8R-L ① | NEPLG8R ① | NEPLG8R-L ① |
| | Green | NEPL8G ① | NEPL8G-L ① | NEPLG8G ① | NEPLG8G-L ① |
| | Clear | NEPL8C ① | NEPL8C-L ① | NEPLG8C ① | NEPLG8C-L ① |
| | Blue | NEPL8B ① | NEPL8B-L ① | NEPLG8B ① | NEPLG8B-L ① |
| 48 Vac/Vdc Pigtail | Amber | NEPL9A ① | NEPL9A-L ① | NEPLG9A ① | NEPLG9A-L ① |
| | Red | NEPL9R ① | NEPL9R-L ① | NEPLG9R ① | NEPLG9R-L ① |
| | Green | NEPL9G ① | NEPL9G-L ① | NEPLG9G ① | NEPLG9G-L ① |
| | Clear | NEPL9C ① | NEPL9C-L ① | NEPLG9C ① | NEPLG9C-L ① |
| | Blue | NEPL9B ① | NEPL9B-L ① | NEPLG9B ① | NEPLG9B-L ① |

① For pilot light with ATEX Certification place an X suffix at the end of the catalog number; example: AEPL1AX.
 ② Not available with ATEX Certification.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Lighted Push Button Components

Momentary Contact. Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEx:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide

AE
 Appleton Explosionproof

PT
 Push Button, Lighted

Voltage:
 Blank - 120 Vac
 8 - 24 Vac

A
 Color:
 A - Amber
 B - Blue
 C - Clear
 R - Red
 G - Green

A
 Contact
 Arrangement:
 A - 1 NO
 B - 2 NO
 C - 1 NC
 D - 2 NC
 E - 1 NO and 1 NC
 F - 2 NO and 2 NC

L
 Long Barrel:
 Omit for Short
 Barrel



| Contacts ① | Lens Color | Catalog Number | |
|------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 1 NO | Amber | NEPTAA | NEPTAA-L |
| 1 NO | Red | NEPTRA | NEPTRA-L |
| 1 NO | Green | NEPTGA | NEPTGA-L |
| 1 NO | Clear | NEPTCA | NEPTCA-L |
| 1 NO | Blue | NEPTBA | NEPTBA-L |
| 2 NO | Amber | NEPTAB | NEPTAB-L |
| 2 NO | Red | NEPTRB | NEPTRB-L |
| 2 NO | Green | NEPTGB | NEPTGB-L |
| 2 NO | Clear | NEPTCB | NEPTCB-L |
| 2 NO | Blue | NEPTBB | NEPTBB-L |
| 1 NC | Amber | NEPTAC | NEPTAC-L |
| 1 NC | Red | NEPTRC | NEPTRC-L |
| 1 NC | Green | NEPTGC | NEPTGC-L |
| 1 NC | Clear | NEPTCC | NEPTCC-L |
| 1 NC | Blue | NEPTBC | NEPTBC-L |

| Contacts ① | Lens Color | Catalog Number | |
|---------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 2 NC | Amber | NEPTAD | NEPTAD-L |
| 2 NC | Red | NEPTRD | NEPTRD-L |
| 2 NC | Green | NEPTGD | NEPTGD-L |
| 2 NC | Clear | NEPTCD | NEPTCD-L |
| 2 NC | Blue | NEPTBD | NEPTBD-L |
| 1 NO and 1 NC | Amber | NEPTAE | NEPTAE-L |
| 1 NO and 1 NC | Red | NEPTRE | NEPTRE-L |
| 1 NO and 1 NC | Green | NEPTGE | NEPTGE-L |
| 1 NO and 1 NC | Clear | NEPTCE | NEPTCE-L |
| 1 NO and 1 NC | Blue | NEPTBE | NEPTBE-L |
| 2 NO and 2 NC | Amber | NEPTAF | NEPTAF-L |
| 2 NO and 2 NC | Red | NEPTRF | NEPTRF-L |
| 2 NO and 2 NC | Green | NEPTGF | NEPTGF-L |
| 2 NO and 2 NC | Clear | NEPTCF | NEPTCF-L |
| 2 NO and 2 NC | Blue | NEPTBF | NEPTBF-L |

① NO = Normally Open; NC = Normally Closed.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Mushroom Head Push Button Components

Momentary Contact. Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide

AE
 NEC/CEC Certified
 Appleton Explosionproof

P
 Push Button

M
 Mushroom Head, Momentary

B
 Color:
 B - Black
 R - Red
 G - Green

A
 Contact Arrangement:
 A - 1 NO
 B - 2 NO
 C - 1 NC
 D - 2 NC
 E - 1 NO and 1 NC
 F - 2 NO and 2 NC

L
 Long Barrel:
 Omit for Short Barrel



| Contacts ① | Lens Color | Catalog Number | |
|------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 1 NO | Black | NEPMBA | NEPMBA-L |
| 1 NO | Red | NEPMRA | NEPMRA-L |
| 1 NO | Green | NEPMGA | NEPMGA-L |
| 2 NO | Black | NEPMBB | NEPMBB-L |
| 2 NO | Red | NEPMRB | NEPMRB-L |
| 2 NO | Green | NEPMGB | NEPMGB-L |
| 1 NC | Black | NEPMBC | NEPMBC-L |
| 1 NC | Red | NEPMRC | NEPMRC-L |
| 1 NC | Green | NEPMGC | NEPMGC-L |

| Contacts ① | Lens Color | Catalog Number | |
|---------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 2 NC | Black | NEPMBD | NEPMBD-L |
| 2 NC | Red | NEPMRD | NEPMRD-L |
| 2 NC | Green | NEPMGD | NEPMGD-L |
| 1 NO and 1 NC | Black | NEPMBE | NEPMBE-L |
| 1 NO and 1 NC | Red | NEPMRE | NEPMRE-L |
| 1 NO and 1 NC | Green | NEPMGE | NEPMGE-L |
| 2 NO and 2 NC | Black | NEPMBF | NEPMBF-L |
| 2 NO and 2 NC | Red | NEPMRF | NEPMRF-L |
| 2 NO and 2 NC | Green | NEPMGF | NEPMGF-L |

① NO = Normally Open; NC = Normally Closed.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875"). For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Mushroom Head Push Button Components

Maintained Contact. Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide

AE
 NEC/CEC Certified
 Appleton Explosionproof

P
 Push Button

MC
 Mushroom Head, Maintained

B
 Color:
 B - Black
 R - Red
 G - Green

A
 Contact Arrangement:
 A - 1 NO
 B - 2 NO
 C - 1 NC
 D - 2 NC
 E - 1 NO and 1 NC
 F - 2 NO and 2 NC

L
 Long Barrel:
 Omit for Short Barrel



| Contacts ① | Lens Color | Catalog Number | |
|------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 1 NO | Black | NEPMCBA | NEPMCBA-L |
| 1 NO | Red | NEPMCRA | NEPMCRA-L |
| 1 NO | Green | NEPMC GA | NEPMC GA-L |
| 2 NO | Black | NEPMCBB | NEPMCBB-L |
| 2 NO | Red | NEPMCRB | NEPMCRB-L |
| 2 NO | Green | NEPMCGB | NEPMCGB-L |
| 1 NC | Black | NEPMCBC | NEPMCBC-L |
| 1 NC | Red | NEPMCRC | NEPMCRC-L |
| 1 NC | Green | NEPMC GC | NEPMC GC-L |

| Contacts ① | Lens Color | Catalog Number | |
|---------------|------------|----------------|-------------|
| | | Short Barrel | Long Barrel |
| 2 NC | Black | NEPMCBD | NEPMCBD-L |
| 2 NC | Red | NEPMCRD | NEPMCRD-L |
| 2 NC | Green | NEPMC GD | NEPMC GD-L |
| 1 NO and 1 NC | Black | NEPMCBE | NEPMCBE-L |
| 1 NO and 1 NC | Red | NEPMCRE | NEPMCRE-L |
| 1 NO and 1 NC | Green | NEPMC GE | NEPMC GE-L |
| 2 NO and 2 NC | Black | NEPMCBF | NEPMCBF-L |
| 2 NO and 2 NC | Red | NEPMCRF | NEPMCRF-L |
| 2 NO and 2 NC | Green | NEPMC GF | NEPMC GF-L |

① NO = Normally Open; NC = Normally Closed.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Miniature Control Operators

Explosionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 7BCD, 9EFG

Features

- Installation centers reduced to 1" centers.
- Allows selection of smaller enclosures.
- 3/8 - 16 thread.
- Stainless steel actuator shaft.
- Solid silver contacts rated 6 Amps at 125 Vac, 3 Amps at 250 Vac.



| Contact Configuration | Catalog Number |
|-----------------------|----------------|
| DPDT Maintained | NEPMOB-3 |
| DPDT Momentary | NEPMOB-4 |

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875"). For legend plates, see Options, Accessories and Nameplates. Miniature operators are NOT 3/4" NPSM.

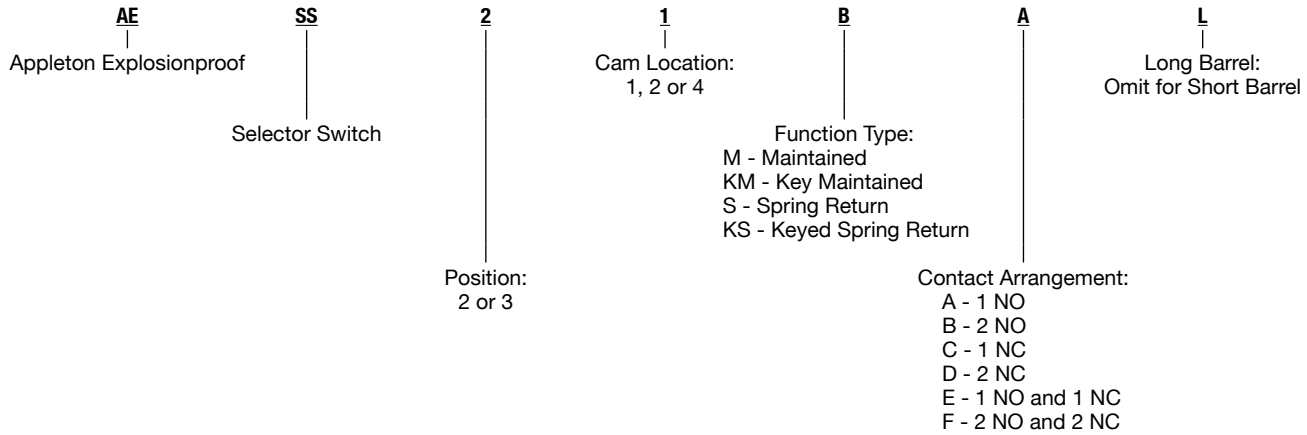
NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Catalog Numbering Guide



Two Position — Maintained Contact

| Contact | Lever Position X=Closed, O=Open | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | X | NESS22MG | NESS22MG-L | NO | - | 2 |
| 1 | X | O | NESS22MH | NESS22MH-L | NC | - | 2 |
| 1 | O | X | NESS22ML | NESS22ML-L | NC | NO | 2 |
| 2 | X | O | | | | | |
| 1 | O | X | NESS22MM | NESS22MM-L | NC | NC | 2 |
| 2 | O | X | | | | | |
| 1 | X | O | NESS22MR | NESS22MR-L | NOC | NOC | 2 |
| 2 | O | X | | | | | |
| 3 | X | O | | | | | |
| 4 | O | X | | | | | |

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEx:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Two Position – Spring Return Right to Center

| Contact | Lever Position X=Closed, O=Open | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | X | NESS22SG | NESS22SG-L | NO | - | 2 |
| 1 | X | O | NESS22SH | NESS22SH-L | - | NO | 2 |
| 1 | O | X | NESS22SL | NESS22SL-L | NO | NO | 2 |
| 2 | X | O | | | NO | NO | |
| 1 | O | X | NESS22SM | NESS22SM-L | NO | NC | 2 |
| 2 | O | X | | | NO | NC | |
| 1 | X | O | NESS22SR | NESS22SR-L | 2NC | 2NC | 2 |
| 2 | O | X | | | | | |
| 3 | X | O | | | | | |
| 4 | O | X | | | | | |

Three Position – Maintained Contact

| Contact | Lever Position X=Closed, O=Open | | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|--------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Center | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | O | X | NESS31MN | NESS31MN-L | NO | NO | 1 |
| 2 | X | O | O | | | | | |
| 1 | X | O | O | NESS31MQ | NESS31MQ-L | NOC | NO | 1 |
| 2 | O | X | X | | | | | |
| 1 | O | O | X | NESS34MN | NESS34MN-L | NO | NC | 4 |
| 2 | O | X | O | | | | | |
| 1 | X | O | O | NESS32MN | NESS32MN-L | NC | NO | 2 |
| 2 | O | X | O | | | | | |
| 1 | O | O | X | NESS31MS | NESS31MS-L | 2NO | 2NO | 1 |
| 2 | X | O | O | | | | | |
| 3 | O | O | X | | | | | |
| 4 | X | O | O | | | | | |
| 1 | O | O | X | NESS34MS | NESS34MS-L | 2NO | 2NC | 4 |
| 2 | O | X | O | | | | | |
| 3 | O | O | X | | | | | |
| 4 | O | X | O | | | | | |
| 1 | X | O | O | NESS32MS | NESS32MS-L | 2NC | 2NO | 2 |
| 2 | O | X | O | | | | | |
| 3 | X | O | O | | | | | |
| 4 | O | X | O | | | | | |

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875"). See options page for legend plates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Three Position – Spring Return – Maintained Contact

| Contact | Lever Position X=Closed, O=Open | | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|--------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Center | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | O | X | NESS31SN | NESS31SN-L | NC | NC | 1 |
| 2 | X | O | O | | | | | |
| 1 | X | O | O | NESS31SQ | NESS31SQ-L | - | NOC | 1 |
| 2 | O | X | X | | | | | |
| 1 | O | O | X | NESS34SN | NESS34SN-L | NC | NC | 4 |
| 2 | O | X | O | | | | | |
| 1 | X | O | O | NESS32SN | NESS32SN-L | NC | NC | 2 |
| 2 | O | X | O | | | | | |
| 1 | O | O | X | NESS31SS | NESS31SS-L | 2NC | 2NC | 1 |
| 2 | X | O | O | | | | | |
| 3 | O | O | X | | | | | |
| 4 | X | O | O | | | | | |
| 1 | O | O | X | NESS34SS | NESS34SS-L | 2NC | 2NC | 4 |
| 2 | O | X | O | | | | | |
| 3 | O | O | X | | | | | |
| 4 | O | X | O | | | | | |
| 1 | X | O | O | NESS32SS | NESS32SS-L | 2NC | 2NC | 2 |
| 2 | O | X | O | | | | | |
| 3 | X | O | O | | | | | |
| 4 | O | X | O | | | | | |

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").
 For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEx:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Two Position – Key Operated ①② – Maintained Contact

| Contact | Lever Position X=Closed, O=Open | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | X | NESS22KMG | NESS22KMG-L | NO | — | 2 |
| 1 | X | O | NESS22KMH | NESS22KMH-L | — | NO | 2 |
| 1 | O | X | NESS22KML | NESS22KML-L | NO | NO | 2 |
| 2 | X | O | | | NO | NO | |
| 1 | O | X | NESS22KMM | NESS22KMM-L | NO | NC | 2 |
| 2 | O | X | | | NO | NC | |
| 1 | X | O | NESS22KMR | NESS22KMR-L | 2NC | 2NC | 2 |
| 2 | O | X | | | | | |
| 3 | X | O | | | | | |
| 4 | O | X | | | | | |

Two Position – Key Operated ①② – Spring Return Right to Center

| Contact | Lever Position X=Closed, O=Open | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | O | X | NESS22KSG | NESS22KSG-L | NO | — | 2 |
| 1 | X | O | NESS22KSH | NESS22KSH-L | — | NO | 2 |
| 1 | O | X | NESS22KSL | NESS22KSL-L | NO | NO | 2 |
| 2 | X | O | | | NO | NO | |
| 1 | O | X | NESS22KSM | NESS22KSM-L | NO | NC | 2 |
| 2 | O | X | | | NO | NC | |
| 1 | X | O | NESS22KSR | NESS22KSR-L | 2NC | 2NC | 2 |
| 2 | O | X | | | | | |
| 3 | X | O | | | | | |
| 4 | O | X | | | | | |

① Locks are normally provided keyed differently. If keyed-alike locks are required, specify suffix **-KA1** and a standard type of identical locks will be provided. If a unique set of keyed-alike locks is required, specify and contact your local representative for delivery.

② Key removable from one field selectable position only. Contact your local representative for key removable in two positions.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").

For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Three Position — Key Operated ①② — Maintained Contact

| Contact | Lever Position X=Closed, O=Open | | | Catalog Number | | Contact Block Position | | Cam Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|------------------------------------|--------|-------|------------------|--------------|------------------------|-----|--------------|---|---|---|---|-----------|-------------|-----|-----|---|---|---|---|---|---|---|---|---|-----------|-------------|-----|-----|---|---|---|---|-----------|-------------|-----|-----|---|-----------|-------------|-----|-----|---|---|---|---|---|---|---|---|---|-----------|-------------|-----|-----|---|---|---|---|---|---|---|---|---|-----------|-------------|-----|-----|---|---|---|---|-----------|-------------|-----|-----|---|-----------|-------------|-----|-----|---|---|---|---|---|---|---|---|---|-----------|-------------|-----|-----------|-------------|-----|-----|---|-----|---|---|---|---|---|---|---|---|
| | Left | Center | Right | Standard Bushing | Long Bushing | L | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | O | O | X | NESS31KMN | NESS31KMN-L | NC | NC | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | X | O | O | | | | | | 1 | X | O | O | NESS31KMQ | NESS31KMQ-L | — | NOC | 1 | 2 | O | X | X | 1 | O | O | X | NESS34KMN | NESS34KMN-L | NC | NC | 4 | 2 | O | X | O | 1 | X | O | O | NESS32KMN | NESS32KMN-L | NC | NC | 2 | 2 | O | X | O | 1 | X | O | O | NESS31KMS | NESS31KMS-L | 2NC | 2NC | 1 | 2 | O | O | X | 3 | X | O | O | 4 | O | O | X | 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | 2 | O | X | O | 3 | O | O | X | 4 | O | X | O | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | 2 | O | X | O | 3 | X | O | O | 4 |
| 1 | X | O | O | NESS31KMQ | NESS31KMQ-L | — | NOC | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | X | X | | | | | | 1 | O | O | X | NESS34KMN | NESS34KMN-L | NC | NC | 4 | 2 | O | X | O | 1 | X | O | O | NESS32KMN | NESS32KMN-L | NC | NC | 2 | 2 | O | X | O | 1 | X | O | O | NESS31KMS | NESS31KMS-L | 2NC | 2NC | 1 | 2 | O | O | X | 3 | X | O | O | | | | | | 4 | O | O | X | 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | 2 | O | X | | | | | | O | 3 | O | O | X | 4 | O | X | O | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | | | | | | 2NC | 2 | 2 | O | X | O | 3 | X | O |
| 1 | O | O | X | NESS34KMN | NESS34KMN-L | NC | NC | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | X | O | | | | | | 1 | X | O | O | NESS32KMN | NESS32KMN-L | NC | NC | 2 | 2 | O | X | O | 1 | X | O | O | NESS31KMS | NESS31KMS-L | 2NC | 2NC | 1 | 2 | O | O | X | 3 | X | O | O | | | | | | 4 | O | O | X | 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | 2 | O | X | O | 3 | O | O | X | | | | | | 4 | O | X | O | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | 2 | O | X | O | 3 | X | O | O | | | | 4 | O | X | O | | | | | | | | | | |
| 1 | X | O | O | NESS32KMN | NESS32KMN-L | NC | NC | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | X | O | | | | | | 1 | X | O | O | NESS31KMS | NESS31KMS-L | 2NC | 2NC | 1 | 2 | O | O | X | 3 | X | O | O | | | | | | 4 | O | O | X | 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | 2 | O | X | O | 3 | O | O | X | | | | | | 4 | O | X | O | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | 2 | O | X | O | 3 | X | O | O | | | | | | 4 | O | X | O | | | | | | | | | | | | | | | | | | | | | |
| 1 | X | O | O | NESS31KMS | NESS31KMS-L | 2NC | 2NC | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | O | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | X | O | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | O | O | X | | | | | | 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | 2 | O | X | O | 3 | O | O | X | 4 | O | X | O | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | 2 | O | X | O | 3 | X | O | O | 4 | O | X | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | O | O | X | NESS34KMS | NESS34KMS-L | 2NC | 2NC | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | X | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | O | O | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | O | X | O | | | | | | 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | 2 | O | X | O | 3 | X | O | O | 4 | O | X | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X | O | O | NESS32KMS | NESS32KMS-L | 2NC | 2NC | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | O | X | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | X | O | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | O | X | O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

① Locks are normally provided keyed differently. If keyed-alike locks are required, specify suffix **-KA1** and a standard type of identical locks will be provided. If a unique set of keyed-alike locks is required, specify and contact your local representative for delivery.

② Key removable from one field selectable position only. Contact your local representative for key removable in two positions.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").

For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operators: Selector Switch Components

Explosionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:
 Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

Two Position — Key Operated ①② — Spring Return

| Contact | Lever Position X=Closed, O=Open | | | Catalog Number | | Contact Block Position | | Cam Location |
|---------|------------------------------------|--------|-------|------------------|--------------|------------------------|-----|--------------|
| | Left | Center | Right | Standard Bushing | Long Bushing | L | R | |
| 1 | X | O | O | NESS31KSN | NESS31KSN-L | NC | NC | 1 |
| 2 | O | O | X | | | | | |
| 1 | X | O | O | NESS31KSQ | NESS31KSQ-L | — | NOC | 1 |
| 2 | O | X | X | | | | | |
| 1 | O | O | X | NESS34KSN | NESS34KSN-L | NC | NC | 4 |
| 2 | O | X | O | | | | | |
| 1 | X | O | O | NESS32KSN | NESS32KSN-L | NC | NC | 2 |
| 2 | O | X | O | | | | | |
| 1 | X | O | O | NESS31KSS | NESS31KSS-L | 2NC | 2NC | 1 |
| 2 | O | O | X | | | | | |
| 3 | X | O | O | | | | | |
| 4 | O | O | X | | | | | |
| 1 | O | O | X | NESS34KSS | NESS34KSS-L | 2NC | 2NC | 4 |
| 2 | O | X | O | | | | | |
| 3 | O | O | X | | | | | |
| 4 | O | X | O | | | | | |
| 1 | X | O | O | NESS32KSS | NESS32KSS-L | 2NC | 2NC | 2 |
| 2 | O | X | O | | | | | |
| 3 | X | O | O | | | | | |
| 4 | O | X | O | | | | | |

① Locks are normally provided keyed differently. If keyed-alike locks are required, specify suffix **-KA1** and a standard type of identical locks will be provided. If a unique set of keyed-alike locks is required, specify and contact your local representative for delivery.

② Key removable from one field selectable position only. Contact your local representative for key removable in two positions.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875").

For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operator Accessories

Explosionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 7BCD, 9EFG

ATEX/IECEX:

Zone 1 and 2 – 21 and 22
 II 2 GD
 IP66 – IK10

| | Item | Description | Catalog Number |
|---|---|--|---------------------------------------|
|  | <p>360° Rotating Shaft</p> | <p>Manual operated shaft used for devices requiring external adjustment. The shaft is 6.35 mm (0.25") diameter and is provided with a coupling to compensate for misalignment.</p> | <p>BRO250C</p> |
|  | <p>Standard Reset Button</p> | <p>Six-inch length can be field modified for specific length. Suitable for use in Class I, Groups B, C and D applications.</p> | <p>NEPRS</p> |
|  | <p>Miniature Reset Button</p> | <p>Six-inch length can be field modified for specific length. Suitable for use in Class I, Groups B, C and D applications. 3/8 - 16 Threads.</p> | <p>NEPRM ①</p> |
|  | <p>Weather Cap For Push Button Devices</p> | <p>Field attachable weather cap snaps on easily without the use of adhesives.</p> | |
|  | <p>Plug</p> | <p>3/4" NPSM to plug unused openings.</p> | <p>AA-9400</p> |
|  <p>NP02</p> <p>NP01</p> | <p>Potentiometer Operator</p> | <p>Operator for use with potentiometers having a 6.35 mm (0.25") diameter by 22.225 mm (0.875") long shaft. The operator is furnished with a control knob and dial plate marked 0 to 100.</p> <p>Long bushing for applications where enclosure cover thickness is greater than 22.225 mm (0.875").</p> | <p>NP01</p> <p>NP02</p> |

① Not available with ATEX Certification.

NOTE: Use long barrel devices on enclosure applications with cover thickness exceeding 22.225 mm (0.875"). For legend plates, see Options, Accessories and Nameplates. All Operators are 3/4" NPSM.

NCSEW Control Operator Options, Accessories and Nameplates

Explosionproof

Optional Features

| Item Description | Suffix |
|--|----------|
| Keyed Alike (Selector Switches) | KA1 |
| Additional Keys (Keyed Selector Switches) | 441-KEYS |

NOTE: Additional keys may only be purchased when ordering devices.
Keys may not be purchased for devices installed in the field.

Nameplates

| Legend Plate | Catalog Number |
|---|----------------|
| Start | N441-01 |
| Stop | N441-02 |
| High | N441-03 |
| Low | N441-04 |
| On | N441-05 |
| Off | N441-06 |
| Forward | N441-07 |
| Reverse | N441-08 |
| Open | N441-09 |
| Close | N441-10 |
| Up | N441-11 |
| Down | N441-12 |
| Reset | N441-13 |
| Run | N441-14 |
| Trip | N441-15 |
| Blank | N441-16 |
| Emergency Stop (Red) | N441-17 |
| Special Engraved Legend Plates (Specify Lettering) | N441-16SP |
| Off—On | N441-20 |
| Open—Close | N441-21 |
| For—Rev | N441-22 |
| High—Low | N441-23 |
| Start—Stop | N441-24 |
| Up—Down | N441-25 |
| Local—Remote | N441-26 |
| Hand—Off—Auto | N441-30 |
| For—Off—Rev | N441-31 |
| Open—Off—Close | N441-32 |
| Off—Low—High | N441-33 |
| Push to Start—Push to Stop | N441-40 |

Accessories

| Lamp Description | Catalog Number |
|------------------|----------------|
| 6 Vac Lamp | N6S6-6V |
| 12 Vac Lamp | N6S6-12V |
| 24 Vac Lamp | N6S6-24V |
| 48 Vac Lamp | N6S6-48V |
| 120 Vac Lamp | N6S6-120V |
| 135 Vac Lamp | N6S6-135V |
| 240 Vac Lamp | N6S6-240V |

Pilot Light Replacement Kit — Pilot Lights (120 V)

| Catalog Number | Lens Color |
|----------------|------------|
| Amber | NEPRLAA |
| Blue | NEPRLAB |
| Clear | NEPRLAC |
| Green | NEPRLAG |
| Red | NEPRLAR |

Guarded Pilot Lights (120 V)

| Catalog Number | Lens Color |
|----------------|------------|
| Amber | NEPRLAA-G |
| Blue | NEPRLAB-G |
| Clear | NEPRLAC-G |
| Green | NEPRLAG-G |
| Red | NEPRLAR-G |

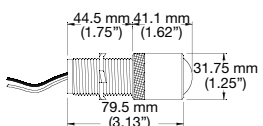
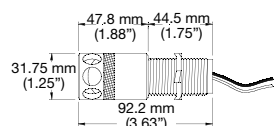
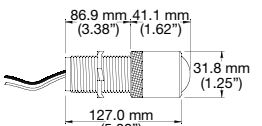
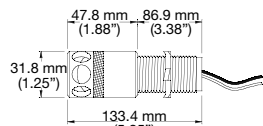
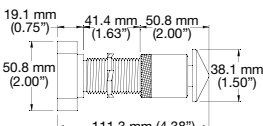
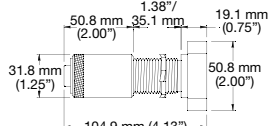
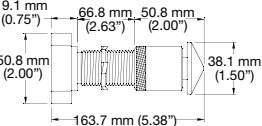
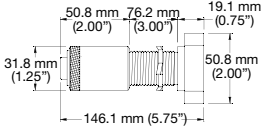
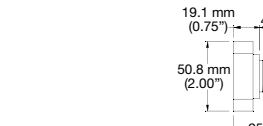
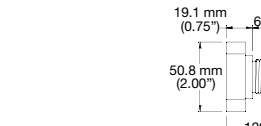
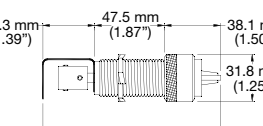
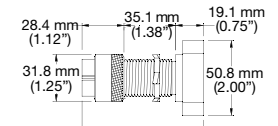
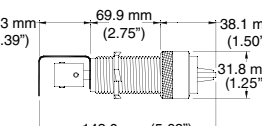
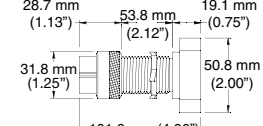
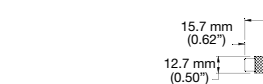
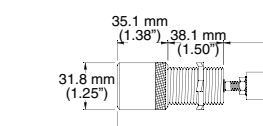
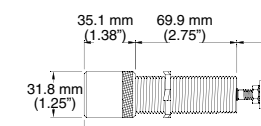
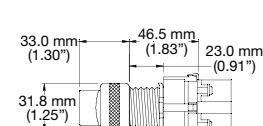
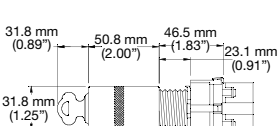
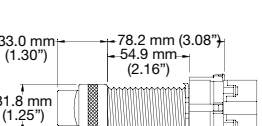
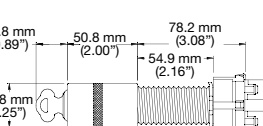
Push-to-Test Pilot Lights (120 V)

| Catalog Number | Lens Color |
|----------------|------------|
| Amber | NEPTRLA-A |
| Blue | NEPTRLA-B |
| Clear | NEPTRLA-C |
| Green | NEPTRLA-G |
| Red | NEPTRLA-R |

| Contact Block | Catalog Number |
|---------------|----------------|
| 1 NO/1 NC | N9001 KA1 |
| 1 NO | N9001 KA2 |
| 1 NC | N9001 KA3 |

NCSEW Control Operator Dimensions

Add 1" to length for Contact Block. Thread Size —3/4" NPSM.

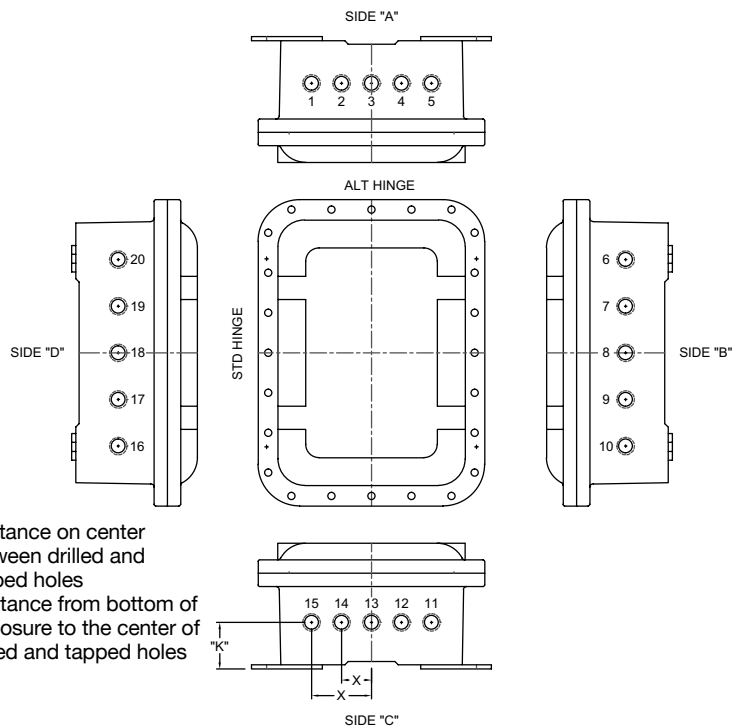
| Short Barrel | | Long Barrel | |
|--|---|---|---|
|  <p>Pilot Light</p> |  <p>Guarded Pilot Light</p> |  <p>Pilot Light</p> |  <p>Guarded Pilot Light</p> |
|  <p>Mushroom Push Button</p> |  <p>Push-To-Test</p> |  <p>Mushroom Push Button</p> |  <p>Push-To-Test</p> |
|  <p>Push Button</p> |  <p>Push Button</p> | | |
|  <p>Potentiometer Operator</p> |  <p>Dual Push Button</p> |  <p>Potentiometer Operator</p> |  <p>Dual Push Button</p> |
|  <p>Miniature Reset</p> | | | |
|  <p>Standard Reset</p> |  <p>Standard Reset</p> | | |
|  <p>Selector Switch</p> |  <p>Keyed Selector Switch</p> |  <p>Selector Switch</p> |  <p>Keyed Selector Switch</p> |

NCSEW Series Drill and Tap Schedule and Hinges and Back Pan Requirement Form

Customer's original purchase order must accompany completed form

Company Name _____
 Shipping Address _____
 Account Number _____ Purchase Order Number _____
 Part Number _____ Purchase Order Date _____
 Quantity _____ Internal Order Number _____

| Position | Conduit Size | Dimension "X" | Dimension "K" |
|----------|--------------|---------------|---------------|
| 1 | | | |
| 2 | | | |
| 3 CL | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 CL | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 CL | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 CL | | | |
| 19 | | | |
| 20 | | | |



X = distance on center between drilled and tapped holes
 K = distance from bottom of enclosure to the center of drilled and tapped holes

| | Yes | No |
|-----------------------------|--------------------------|--------------------------|
| Entries Required: | <input type="checkbox"/> | <input type="checkbox"/> |
| Standard Hinges Required: | <input type="checkbox"/> | <input type="checkbox"/> |
| Alternate Hinges Required: | <input type="checkbox"/> | <input type="checkbox"/> |
| Back Pan Required: | <input type="checkbox"/> | <input type="checkbox"/> |
| Factory to locate X and K * | <input type="checkbox"/> | <input type="checkbox"/> |

* If No is checked, the X and K dimensions must be supplied in Schedule above.

Drilling and Tapping Guidelines

| Conduit Size (NPT) | Minimum Spacing For Conduit Centers Millimeters (Inches) | | | | | | | | | | |
|--------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 | |
| 1/2 | 54.1 (2.13) | 54.1 (2.13) | 57.2 (2.25) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 92.2 (3.63) | 101.6 (4.00) | 114.3 (4.50) | 114.3 (4.50) | |
| 3/4 | 54.1 (2.13) | 54.1 (2.13) | 57.2 (2.25) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 92.2 (3.63) | 101.6 (4.00) | 114.3 (4.50) | 114.3 (4.50) | |
| 1 | 57.2 (2.25) | 57.2 (2.25) | 60.5 (2.38) | 71.4 (2.81) | 76.2 (3.00) | 82.8 (3.25) | 95.3 (3.75) | 104.9 (4.13) | 114.3 (4.50) | 117.6 (4.63) | |
| 1-1/4 | 66.8 (2.63) | 66.8 (2.63) | 71.4 (2.81) | 79.5 (3.13) | 84.1 (3.31) | 92.2 (3.63) | 104.9 (4.13) | 114.3 (4.50) | 120.7 (4.75) | 127.0 (5.00) | |
| 1-1/2 | 71.4 (2.81) | 71.4 (2.81) | 76.2 (3.00) | 84.1 (3.31) | 88.9 (3.50) | 96.8 (3.81) | 109.5 (4.31) | 117.6 (4.63) | 125.5 (4.94) | 133.4 (5.25) | |
| 2 | 79.5 (3.13) | 79.5 (3.13) | 82.8 (3.25) | 92.2 (3.63) | 96.8 (3.81) | 104.9 (4.13) | 117.6 (4.63) | 127.0 (5.00) | 148.1 (5.83) | 146.1 (5.75) | |
| 2-1/2 | 92.2 (3.63) | 92.2 (3.63) | 95.3 (3.75) | 104.9 (4.13) | 109.5 (4.31) | 117.6 (4.63) | 130.3 (5.13) | 84.1 (3.31) | 146.1 (5.75) | 155.7 (6.13) | |
| 3 | 101.6 (4.00) | 101.6 (4.00) | 104.9 (4.13) | 114.3 (4.50) | 117.6 (4.63) | 127.0 (5.00) | 84.1 (3.31) | 146.1 (5.75) | 152.4 (6.00) | 158.8 (6.25) | |
| 3-1/2 | 114.3 (4.50) | 114.3 (4.50) | 114.3 (4.50) | 120.7 (4.75) | 125.5 (4.94) | 136.7 (5.38) | 146.1 (5.75) | 152.4 (6.00) | 158.8 (6.25) | 165.1 (6.50) | |
| 4 | 114.3 (4.50) | 114.3 (4.50) | 117.6 (4.63) | 127.0 (5.00) | 133.4 (5.25) | 146.1 (5.75) | 155.7 (6.13) | 158.8 (6.25) | 165.1 (6.50) | 171.5 (6.75) | |

Optitrol® Series Factory Sealed Control Stations and Pilot Lights

Explosionproof, Dust-Ignitionproof

Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
Class I, Division 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 7CD, 9EFG

Applications

- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or local location.
- Confine arcing of device within the enclosure, preventing ignition of ignitable atmospheres during control operation of motors and other equipment.
- Used in classified areas where flammable vapors, gasses or highly combustible dusts are present.
- For installation in:
 - Chemical plants
 - Petrochemical plants
 - Refineries
 - Other process industries
 - Where corrosive elements are present

Features

- Covers are UL Listed when used on Optitrol bodies.
- Finish is epoxy powder coat for enhanced corrosion resistance.
- Large backbox for ample wiring room.
- Ground screw installed in bodies for ground continuity.
- Corrosion resistant stainless steel hex head captive screws hold covers to body.
- Factory sealed enclosure eliminates need for adding sealing fittings and compound at each conduit entrance.
- Heavy duty, 10 Amp, 600 Vac.
- Factory sealed pilot lights supplied with jewel/guard assembly and 120 Vac/Vdc, 50/60 Hz, 6 Watt lamp (LED provided as option).
- Dozens of possible combinations of push buttons, pilot lights and selector switches.
- Accurately tapped, tapered hubs for tight rigid joints and ground continuity.
- Stainless steel push button shaft operates within stainless steel bushing assuring long, maintenance free operation.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Push button and selector switch contacts are silver cadmium oxide which are “sealed” in lower phenolic chamber isolated from corrosive elements. Assures positive contact and long, trouble free operation.
- Enclosed stainless steel helper spring prevents accidental operation of push button in severe vibration installations.
- All momentary push buttons are supplied with lockout type guards as standard. Hole in guard will accept locks with up to 1/4” hasp. Permits locking of push button to prevent unauthorized operation.
- Clearly marked terminals with brass screws and spade terminals assure quick, easy wiring.

Standard Materials

- Control station body and cover: malleable iron
- SPBB push button: copperfree (4/10 of 1% max.) aluminum upper barrel and phenolic lower barrel with nylon plastic button
- SPBB dust cap push button: neoprene buttons
- SPLS pilot light: copperfree (4/10 of 1% max.) aluminum guard and body assembly; steel clamping ring; and tempered glass jewel



Push Button



Combination Push Button and Pilot Light



Rocker Arm Push Button



Maintained Push Button



Pilot Light



Selector Switch

- SSBA selector switch: copperfree (4/10 of 1% max.) aluminum operator mechanism, nylon cam, and sealed phenolic contact block

Standard Finishes

- Control station body: triple coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- SPBB push button, SPLS pilot light and SSBA selector switch: natural finish

Classified by UL for use in specific combinations with Cooper Crouse-Hinds EDS covers and bodies.

Optitrol® Series Factory Sealed Control Stations and Pilot Lights

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
Class I, Division 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 7CD, 9EFG

Options

- 1- or 2-gang boxes:
 - For aluminum cover only, add suffix - **A**.
 - For aluminum body and cover, add suffix - **SA**.
- Three position selector switches with modified operation:
 - Momentary contact right position, spring return to center; maintained contact left position. Add suffix - **S634**.
 - Momentary contact left position, spring return to center; maintained contact right position. Add suffix - **S635**.
 - Momentary contact right position, spring return to center; maintained contact left position; alternate contacts. Add suffix - **S636**.
- Selector switch lockout locks two or three position handle in any position. Add suffix - **S349**.
- Momentary push button securing rod, add suffix - **S153**.
- Pilot light jewel/guard assembly. Order by suffixes if color desired is other than red:
 - Amber- **J6**
 - Opal- **J8**
 - Clear - **J10**
 - Blue- **J11**
 - Green- **J3**
- Bodies and covers (1- or 2-gang) in copperfree (4/10 of 1% max.) aluminum. Add suffix - **SA**.
- Securing rod for push button lockout guard, add suffix- **S153**.
- LED pilot lights are available in lieu of incandescent pilot lights. Order by suffixes for desired color as follows:
 - Red- **LED1**
 - Green- **LED3**
 - Amber- **LED6**

NEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203,
- UL Listed: E10449, E81751

Related Products

- For Division 1, Group B applications, refer to *EFDB Series*.

Illustrated Features

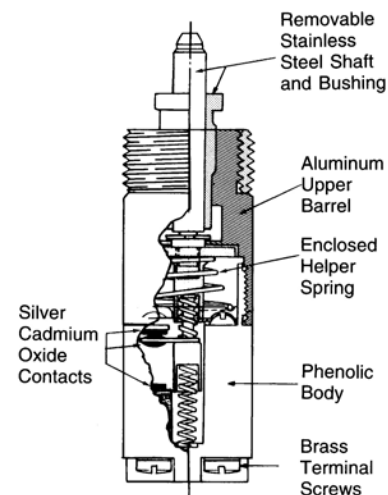


Securing Rod for Push Button Lockout Guard – available as optional item. Lockout Guard furnished as standard with the Push Button, may also be padlocked. Suffix- **S153**.

SPBB factory sealed push button — standard type and unit with dust cap.



SPBB Design Features



Optitrol® Series Factory Sealed Control Station Configuration

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

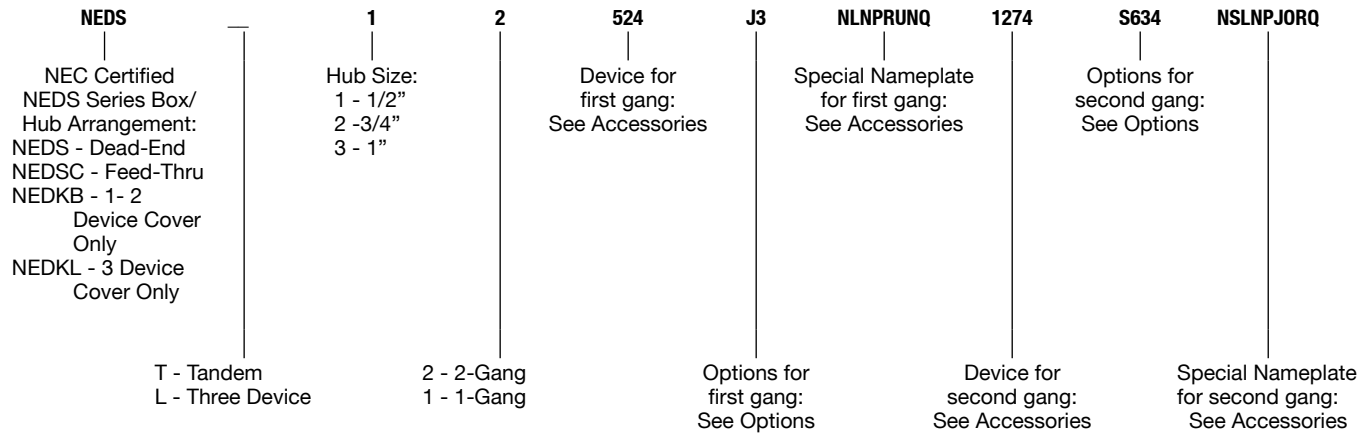
Full Catalog Number: EDSC12-524-J3-LNPUPQ-1274-S634-SLNPJORQ

Feed-Thru 2-Gang Box with 1/2" Hub:

In Gang #1: One Pilot Light with UP Nameplate

In Gang #2: One 3-Position, 4-Circuit Spring Return from the right Selector Switch with JOG-OFF-RUN Nameplate.

Catalog Numbering Guide



Options

| Description | Suffix |
|---|-------------|
| Momentary Push Button Securing Rod | S153 |
| Selector Switch Lockout | S349 |
| Spring Return From Right Selector Switch (3 Positions Only) | S634 |
| Spring Return From Left Selector Switch (3 Positions Only) | S635 |
| Alternate Contacts Selector Switch | S636 |
| Change One Red Lens to Green Lens | J3 |
| Change One Red Lens to Opal Lens | J8 |
| Change One Red Lens to Amber Lens | J6 |
| Change One Red Lens to Blue Lens | J11 |
| Change One Red Lens to Clear Lens | J10 |
| Add 220/120 Vac Transformer (J1 Device Only) | S801 |
| Add 277/120 Vac Transformer (J1 Device Only) | S802 |
| Add 440/120 Vac Transformer (J1 Device Only) | S803 |
| Add 550/120 Vac Transformer (J1 Device Only) | S804 |
| Change One Red Pilot to Red LED | LED1 |
| Change One Red Lens to Green LED | LED3 |
| Change One Red Lens to Amber LED | LED6 |
| Add Red Mushroom Head to Momentary Push Button | S805 |
| Add Black Mushroom Head to Momentary Push Button | S806 |
| Add Green Mushroom Head to Momentary Push Button | S807 |
| Locking Guard for Maintained Push Button | S808 |

Optitrol® Series Factory Sealed Control Station Devices

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

| Device Description | Available in 1-G, 2-G Tandem | Available in Three Device | Suffix |
|--|------------------------------|---------------------------|--------|
| One Pilot Light (Red Standard) | Y | | 524 |
| Two Pilot Lights | Y | | 561 |
| One Pilot Light and One Momentary Push Button | Y | | 473 |
| One Pilot Light and Two Momentary Push Buttons | Y | Y | 234 |
| One Pilot Light and One Maintained Push Button | Y | | 701 |
| One Pilot Light and One Dust-Cap Push Button | Y | | 702 |
| One Pilot Light and One 12 Selector Switch ① | Y | | 703 |
| One Pilot Light and One 35 Selector Switch ① | Y | | 704 |
| One Pilot Light and One 102 Selector Switch ① | Y | | 705 |
| One Pilot Light and One 345 Selector Switch ① | Y | | 706 |
| One Monetary Push Button | Y | | 84 |
| Two Monetary Push Buttons | Y | | 90 |
| Two Side-By-Side Momentary Push Buttons | Y | | 95 |
| Three Monetary Push Buttons | Y | Y | 707 |
| One Momentary Push Button and One Maintained Push Button | Y | | 708 |
| One Momentary Push Button and One Dust Cap Push Button | Y | | 709 |
| One Momentary Push Button and One 12 Selector Switch ① | Y | | 710 |
| One Momentary Push Button and One 35 Selector Switch ① | Y | | 711 |
| One Momentary Push Button and One 102 Selector Switch ① | Y | | 712 |
| One Momentary Push Button and One 345 Selector Switch ① | Y | | 713 |
| One Maintained Push Button (Mushroom Head - Red) | Y | | 714 |
| Two Maintained Push Button | Y | | 715 |
| One Maintained and One Dust Cap Push Button | Y | | 716 |
| One Maintained Push Button and One 12 Selector Switch ① | Y | | 717 |
| One Maintained Push Button and One 35 Selector Switch ① | Y | | 718 |
| One Maintained Push Button and One 102 Selector Switch ① | Y | | 719 |
| One Maintained Push Button and One 345 Selector Switch ① | Y | | 720 |
| One Dust Cap Push Button | Y | | 721 |
| Two Dust Cap Push Buttons | Y | | 722 |
| One Dust Cap and One 12 Selector Switch ① | Y | | 723 |
| One Dust Cap and One 35 Selector Switch ① | Y | | 724 |
| One Dust Cap and One 102 Selector Switch ① | Y | | 725 |
| One Dust Cap and One 345 Selector Switch ① | Y | | 726 |
| One 12 Selector Switch ① | Y | | 271 |
| One 35 Selector Switch ① | Y | | 272 |
| One 102 Selector Switch ① | Y | | 273 |
| One 345 Selector Switch ① | Y | | 274 |
| 120 Vac Photocell | Y | | 727 |
| 277 Vac Photocell | Y | | 728 |
| Three Dust Cap Push Buttons | | Y | 729 |
| One Momentary and Two Maintained Push Buttons | | Y | 730 |
| Two Momentary and One Maintained Push Buttons | Y | Y | 731 |
| Three Maintained Push Buttons | | Y | 732 |
| Three Pilot Lights | | Y | 476 |
| Two Pilot Lights and One Momentary Push Button | | Y | 733 |
| One Pilot Light and Two Dust Cap Push Buttons | | Y | 734 |
| Two Pilot Lights and One Dust Cap Push Button | | Y | 735 |
| One Pilot Light and Two Maintained Push Buttons | | Y | 736 |
| Two Pilot Lights and One Maintained Push Button | | Y | 737 |

① Selector Switches: 12 - 2 Position, 2 Circuit 35 - 2 Position, 4 Circuit 102 - 3 Position, 2 Circuit 345 - 3 Position, 4 Circuit

Optitrol® Series Factory Sealed Control Station Accessories

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

Nameplates ①

| Description | Suffix |
|--|-------------|
| Mushroom Head Push Buttons (Maintained and Momentary) | |
| Start | NMNPSTQ |
| Stop | NMNPSPQ |
| Emergency Stop | NMNPESTPQ |
| Blank | NMNPBQ |
| Pilot Light Nameplates | |
| Blank | NLNPBQ |
| Forward | NLNPFWDQ |
| Jog | NLNPJOGQ |
| Run | NLNPRUNQ |
| Stop | NLNPSQ |
| Start | NLN PSTQ |
| Down | NLNPDOWNQ |
| Fast | NLNPFASQ |
| Slow | NLNPSLOWQ |
| Raise | NLN PRAISEQ |
| Lower | NLN PLOWERQ |
| Reset | NLN PRESETQ |
| Off | NLN POFFQ |
| On | NLN PONQ |
| Reverse | NLN PREVQ |
| Close | NLN PCLOSEQ |
| Open | NLN POPENQ |
| Up | NLN PUPQ |
| Test | NLN PTESTQ |
| Low | NLN PLOWQ |
| High | NLN PHIGHQ |
| Two Position Selection Switch Nameplates | |
| Forward-Reverse | NSLNPFRQ |
| Hand—Auto ② | NSLNPHAQ |
| On—Off | NSLNPOO |
| Start—Stop | NSLNPSS |
| Blank | NSLNPBQ |
| Up—Down | NSLNPUDQ |
| Run—Jog | NSLNPRJQ |
| Auto—Hand | NSLNPAHQ |
| Off—Remote | NSLNPORQ |
| Off—On | NSLNPOFON |

| Description | Suffix |
|---|-----------|
| Three Position Selection Switch Nameplates | |
| Forward—Off—Reverse | NSLNPFORQ |
| Hand—Off—Auto | NSLNPHOAQ |
| Run—Off—Jog | NSLNPROJQ |
| Blank | NSLNPB3 |
| Reverse—Off—Forward | NSLNPROFQ |
| Auto—Off—Hand | NSLNPAOHQ |
| Hand—Off—Remote | NSLNPHORQ |
| 1—Off—2 | NSLNP102Q |
| Jog—Off—Run | NSLNPJORQ |
| Stop—Run—Start | NSLNPSRSQ |
| Local—Off—Remote | NSLNPLORQ |

Momentary Push Buttons

For Rectangular Weatherboot Style Only (not for round weatherboot style)

| | |
|---------|------------|
| Blank ② | NSNPBQ |
| Forward | NSNPFWDQ |
| Jog | NSNPJOGQ |
| Run | NSNPRUNQ |
| Stop ② | NSNPSPQ |
| Start ② | NSNPSTQ |
| Down | NSNPDOWNQ |
| Fast | NSNPFASQ |
| Slow | NSNPSLOWQ |
| Raise | NSNPRAISEQ |
| Lower | NSNPLOWERQ |
| Reset | NSNPRESETQ |
| Off | NSNPOFFQ |
| On | NSNPONQ |
| Reverse | NSNPREVQ |
| Close | NSNPCLOSEQ |
| Open | NSNPOPENQ |
| Up | NSNPUPQ |
| Test | NSNPTESTQ |
| Low | NSNPLOWQ |
| High | NSNPHIGHQ |

① No custom nameplates available.

② Included as standard (no need to use suffix).











Optitrol® Series Factory Sealed Push Button Stations

Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.

NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

| | Hub Size (Inches) | Description | Nameplate Marking | Catalog Number | | |
|---|-------------------|----------------------|--|----------------|-----------|-----------|
| | | | | Dead-End | Feed-Thru | |
| 1-Gang ① | | | | | | |
|  | 1/2 | 1 Circuit Universal |  | Start/Stop | NEDS1184 | NEDSC1184 |
| | 3/4 | | | | NEDS2184 | NEDSC2184 |
| | 1 | | | | NEDS3184 | NEDSC3184 |
|  | 1/2 | 2 Circuits Universal |  | Start/Stop | NEDS1190 | NEDSC1190 |
| | 3/4 | | | | NEDS2190 | NEDSC2190 |
| | 1 | | | | NEDS3190 | NEDSC3190 |
| Red Mushroom Head — Maintained Contact — Emergency Stop Nameplate | | | | | | |
|  | 1/2 | 1 Circuit Universal |  | Emergency Stop | NEDS1714 | NEDSC1714 |
| | 3/4 | | | | NEDS2714 | NEDSC2714 |
| | 1 | | | | NEDS3714 | NEDSC3714 |
| 2-Gang ① | | | | | | |
|  | 1/2 | 2 Circuit Universal |  | Start/Stop | NEDS1284 | NEDSC1284 |
| | 3/4 | | | | NEDS2284 | NEDSC2284 |
| | 1 | | | | NEDS3284 | NEDSC3284 |
|  | 1/2 | 4 Circuits Universal |  | Start/Stop | NEDS1290 | NEDSC1290 |
| | 3/4 | | | | NEDS2290 | NEDSC2290 |
| | 1 | | | | NEDS3290 | NEDSC3290 |

















① Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

Optitrol® Series Factory Sealed Pilot Light Stations

Combination Push Button and Pilot Light Stations. Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.

NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

| | Hub Size (Inches) | Description ② | Nameplate Marking | Catalog Number | | |
|---|-------------------|---|---|----------------|-----------|-----------|
| | | | | Dead-End | Feed-Thru | |
| 1-Gang ① | | | | | | |
|  | 1/2 | One Pilot Light |  | NEFS1524 | NEFSC1524 | |
| | 3/4 | | | NEFS2524 | NEFSC2524 | |
| | 1 | | | NEFS3524 | NEFSC3524 | |
|  | 1/2 | Two Pilot Lights |  | NEFS1561 | NEFSC1561 | |
| | 3/4 | | | NEFS2561 | NEFSC2561 | |
| | 1 | | | NEFS3561 | NEFSC3561 | |
| 2-Gang ① | | | | | | |
|  | 1/2 | Two Pilot Lights |  | NEFS1624 | NEFSC1624 | |
| | 3/4 | | | NEFS2624 | NEFSC2624 | |
| | 1 | | | NEFS3624 | NEFSC3624 | |
|  | 1/2 | Four Pilot Lights |  | — | NEFSC1661 | |
| | 3/4 | | | NEFS2661 | NEFSC2661 | |
| | 1 | | | NEFS3661 | NEFSC3661 | |
| 1-Gang ① | | | | | | |
|  | 1/2 | 1 Circuit Universal and 1 Pilot Light |  | Specify | NEFD1473 | NEFDC1473 |
| | 3/4 | | | | NEFD2473 | NEFDC2473 |
| | 1 | | | | NEFD3473 | NEFDC3473 |
|  | 1/2 | 2 Circuits Universal and 1 Pilot Light |  | Specify | NEFD1234 | NEFDC1234 |
| | 3/4 | | | | NEFD2234 | NEFDC2234 |
| | 1 | | | | NEFD3234 | NEFDC3234 |
| 2-Gang ① | | | | | | |
|  | 1/2 | 2 Circuits Universal and 1 Pilot Light |  | Specify | NEFD1471 | NEFDC1471 |
| | 3/4 | | | | NEFD2471 | NEFDC2471 |
| | 1 | | | | NEFD3471 | NEFDC3471 |
|  | 1/2 | 2 Circuits Universal and 2 Pilot Lights |  | Specify | NEFD1868 | NEFDC1868 |
| | 3/4 | | | | NEFD2868 | NEFDC2868 |
| | 1 | | | | NEFD3868 | NEFDC3868 |

① Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

② Pilot Lights furnished with 6 Watt, 120 Vac 6S6 lamp and Red Jewel - for other colors, add color suffix for each pilot light: Amber - J6, Blue - J11, Clear - J10, Green - J3, Opal - J8.






Optitrol® Series Factory Sealed Selector Switches








Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.















NEC:

















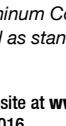
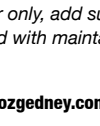



Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

| Selector Switches | Hub Size (Inches) | Description | Left | Diagram Center | Right | Catalog Number | |
|---|-------------------|------------------------|---|----------------|---|----------------|------------|
| | | | | | | Dead-End | Feed-Thru |
| 2 Position Selector Switches — 1-Gang ① ③ — Maintained Contact | | | | | | | |
|  | 1/2 | 2 Position, 2 Circuit |  | None |  | NEDS11271 | NEDSC11271 |
| | 3/4 | | | | | NEDS21271 | NEDSC21271 |
| | 1 | | | | | NEDS31271 | NEDSC31271 |
| | 1/2 | 2 Position, 4 Circuits |  | None |  | NEDS11272 | NEDSC11272 |
| | 3/4 | | | | | NEDS21272 | NEDSC21272 |
| | 1 | | | | | NEDS31272 | NEDSC31272 |
| Nameplate: Hand—Auto | | | | | | | |

| | | | | | | | |
|---|-----|------------------------|---|--|---|-----------|------------|
| 3 Position Selector Switches — 1-Gang ① ③ — Maintained Contact | | | | | | | |
|  | 1/2 | 3 Position, 2 Circuit |  |  |  | NEDS11273 | NEDSC11273 |
| | 3/4 | | | | | NEDS21273 | NEDSC21273 |
| | 1 | | | | | NEDS31273 | NEDSC31273 |
| | 1/2 | 3 Position, 4 Circuits |  |  |  | NEDS11274 | NEDSC11274 |
| | 3/4 | | | | | NEDS21274 | NEDSC21274 |
| | 1 | | | | | NEDS31274 | NEDSC31274 |
| Nameplate: Hand—Off—Auto | | | | | | | |

| Thread Size (In., NPSM) | Description | Left | Diagram Center | Right | Switch Catalog Number | |
|-------------------------|-------------|------|----------------|-------|-----------------------|------------------|
| | | | | | Assembly Only | Assembly w/Cover |

| | | | | | | | |
|---|---|-----|------------------------|---|--|---|---------------------|
| EDKB Selector Switch Operator/Switch Assembly ② ③ — Maintained Contact | | | | | | | |
| 2 Position | | | | | | | |
|  |  | 1/2 | 2 Position, 2 Circuit |  | None |  | NSSBA1-2Q NEDKB-12 |
| | | 1/2 | 2 Position, 4 Circuits |  | None |  | NSSBA2-2Q NEDKB-35 |
| 3 Position | | | | | | | |
|  |  | 1/2 | 3 Position, 2 Circuit |  |  |  | NSSBA1-3Q NEDKB-102 |
| | | 1/2 | 3 Position, 4 Circuit |  |  |  | NSSBA2-3Q NEDKB-345 |
| Nameplate: Hand—Off—Auto | | | | | | | |

| | | | | | | | |
|---|---|-----------|------------------------|---|--|---|-----------------------------|
| EDKB Selector Switch Operator/Switch Assembly ② — Modified Operations — 3 Position | | | | | | | |
| Momentary contact right position. Spring return to center. Maintained contact left position. | | | | | | | |
| <i>Note: Standard legend plate reads Hand/Off/Auto</i> | | | | | | | |
|  |  | 1/2 | 3 Position, 2 Circuit |  |  |  | NSSBAS-1-3 NEDKB-102-S634 |
| | | 1/2 | 3 Position, 4 Circuits |  |  |  | NSSBAS-2-3 NEDKB-345-S634 |
| Momentary contact left position. Spring return to center. Maintained contact right position. | | | | | | | |
| <i>Note: Standard legend plate reads Auto/Off/Hand</i> | | | | | | | |
|  |  | 1/2 | 3 Position, 2 Circuit |  |  |  | NSSBASL-1-3 NEDKB-102-S635 |
| | | 1/2 | 3 Position, 4 Circuits |  |  |  | NSSBASL-2-3 NEDKB-345-S635 |
| Momentary contact right position. Spring return to center. Maintained contact left position. | | | | | | | |
| <i>Note: Standard legend plate reads Stop/Run/Start</i> | | | | | | | |
|  |  | 1/2 | 3 Position, 4 Circuits |  |  |  | NSSBASRA-2-3 NEDKB-345-S636 |
| | | 2 Circuit | | | | | |
| 4 Circuit | | | | | | | |

① Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

② For Aluminum Cover only, add suffix - A.



③ Supplied as standard with maintained contact selector switches. Specify catalog number from nameplate listings if other than standard nameplate is desired.

Optitrol® Series Factory Sealed Selector Switch Accessories


Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.

Selector Switches Nameplates

| | | Two Position Nameplates | | Three Position Nameplates | |
|--|-----------------|-------------------------|---------------------|---------------------------|--|
|  <p>Two Position</p> | Forward—Reverse | NSLNP-FRQ | Forward—Off—Reverse | NSLNP-FORQ | |
| | Hand—Auto | NSLNP-HAQ | Hand—Off—Auto | NSLNP-HOAQ | |
| | On—Off | NSLNP-OO | Run—Off—Jog | NSLNP-ROJQ | |
| | Start—Stop | NSLNP-SS | Blank | NSLNP-B3 | |
| | Blank | NSLNP-BQ | Reverse—Off—Forward | NSLNP-ROFQ | |
|  <p>Three Position</p> | Up—Down | NSLNP-UDQ | Auto—Off—Hand | NSLNP-AOHQ | |
| | Run—Job | NSLNP-RJQ | Hand—Off—Remote | NSLNP-HORQ | |
| | Auto—Hand | NSLNP-AHQ | 1—Off—2 | NSLNP-102Q | |
| | Off—Remote | NSLNP-ORQ | Jog—Off—Run | NSLNP-JORQ | |
| | Local Remote | NSLNP-LRQ | Stop—Run—Start | NSLNP-SRSQ | |
| | Off—On | NSLNP-OFON | Local—Off—Remote | NSLNP-LORQ | |

Selector Switch Locking Devices — Permit Locking In Any Position

| | Description | Catalog Number |
|---|------------------------|-----------------|
|  | Two or Three Positions | NSBL-3-Q |

Optitrol® Series Factory Sealed Rocker Arm and Push Button Stations






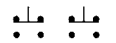

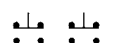
Explosionproof, Dust-Ignitionproof

10 Amp, 600 Vac Max. for Heavy Duty Use Momentary Contact. Furnished with Internal Ground Screw.





NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG









Rocker Arm Handle

| | | Hub Size (Inches) | Description | Contact Arrangement | Nameplate Marking | Catalog Number ① | |
|---|-------------------|-------------------|----------------------|--|-------------------|------------------|-----------|
| | | | | | | Dead-End | Feed-Thru |
| 1-Gang – Malleable Iron Body and Cover ② | | | | | | | |
|  | 1 Circuit | 1/2 | 1 Circuit Universal |  | Specify | NEDS1596 | NEDSC1596 |
| | | 3/4 | | | | NEDS2596 | NEDSC2596 |
| | | 1 | | | | NEDS3596 | NEDSC3596 |
|  | 2 Circuits | 1/2 | 2 Circuits Universal |  | Specify | NEDS1194 | NEDSC1194 |
| | | 3/4 | | | | NEDS2194 | NEDSC2194 |
| | | 1 | | | | NEDS3194 | NEDSC3194 |
| 2-Gang – Malleable Iron Body and Cover ② | | | | | | | |
|  | 2 Circuits | 1/2 | 2 Circuits Universal |  | Specify | — | NEDSC1696 |
| | | 3/4 | | | | NEDS2696 | NEDSC2696 |
| | | 1 | | | | NEDS3696 | NEDSC3696 |
|  | 4 Circuits | 1/2 | 4 Circuits Universal |  | Specify | — | NEDSC1294 |
| | | 3/4 | | | | NEDS2294 | NEDSC2294 |
| | | 1 | | | | NEDS3294 | NEDSC3294 |

Single Push Button

| | | Hub Size (Inches) | Description | Contact Arrangement | Catalog Number ① | | |
|---|---|-------------------|-------------------------------------|--|------------------|-------------|--------------|
| | | | | | Dead-End | Feed-Thru | |
| 1-Gang | | | | | | | |
|  | Nameplate: Start/Stop Momentary | 1/2 | 2 Circuits Universal Momentary |  | | NEDS1192 | NEDSC1192 |
| | | 3/4 | | | | NEDS2192 | NEDSC2192 |
| | | 1 | | | | NEDS3192 | NEDSC3192 |
|  | Nameplate: Emergency Stop Maintained Mushroom Head | 1/2 | 2 Circuits Universal Red Maintained |  | | NEDS1192UM1 | NEDSC1192UM1 |
| | | 3/4 | | | | NEDS2192UM1 | NEDSC2192UM1 |
| | | 1 | | | | NEDS3192UM1 | NEDSC3192UM1 |

Cover Assemblies ②

| | | Description | Contact Arrangement | Nameplate Marking | Catalog Number Cover With Device |
|---|--------------------------------------|-----------------------------------|---|-------------------|----------------------------------|
|  | EDKBRU2 EDKBU2L EDKBDPB | 1 Circuit Universal |  | Specify | EDKBRU1 |
| | | 2 Circuits Universal |  | Specify | EDKBRU2 |
| | | 1 Circuit Universal |  | Specify | EDKBU1L |
| | | 1 Circuit Universal |  | Specify | EDKBUM1L |
| | | 2 Circuits Universal |  | Specify | EDKBU2L |
| | | 2 Circuit Universal |  | Specify | EDKBDPB |
| | | 2 Circuits Universal (Maintained) |  | Specify | EDKBDPBM |

① Malleable Iron Body and Cover. For Aluminum Body and Cover, add suffix - SA.

















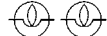



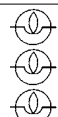


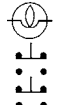
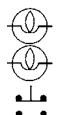
② For Aluminum Cover only, add suffix - A.

Optitrol® Series Factory Sealed Cover Assemblies

For Optitrol® Bodies

NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

Covers

| | | Description | Contact Arrangement | Nameplate Marking | Catalog Number ① |
|---|---|---|---|-------------------|--------------------|
|  |  | Complete with Push Button — Factory Sealed — Momentary Contact <i>For use on standard EDS bodies (furnished with 4 stainless steel captive bolts)</i> | | | |
| | | 1 Circuit Universal |  | Start/Stop | NEDKB-U1 |
| | | 2 Circuit Universal |  | Start/Stop | NEDKB-U2 |
|  |  | Complete with Mushroom Head Push Button — Factory Sealed — Maintained Contact <i>For use on standard EDS bodies</i> | | | |
| | | 1 Circuit Universal (Red) |  | Emergency Stop | NEDKB-UM1 |
| | | 2 Circuit Universal (Red) |  | Specify | NEDKB-UM2 |
|  |  | Complete with Pilot Lights — Factory Sealed — Momentary Contact <i>6 Watt 120 Vac, Type 6S6 Lamp. For use on standard EDS bodies (furnished with 4 stainless steel captive bolts)</i> | | | |
| | | One pilot light (red jewel ②) and two universal push buttons |  | Specify | NEDKB-J1U2 |
| | | One pilot light (red jewel ②) and one universal push button |  | Specify | NEDKB-J1U1 |
|  |  | One pilot light (red jewel ②) and one universal push button—dust cap |  | Specify | NEDKB-J1DU1 |
| | | One pilot light (red jewel ②) |  | Specify | NEDKB-J1 |
| | | Two pilot lights (red jewel ②) |  | Specify | NEDKB-J2 |
|  |  | Complete with Pilot Lights and Push Buttons — Factory Sealed <i>For use on standard EDS bodies (furnished with 8 stainless steel captive bolts)</i> | | | |
| | | 3 Circuits Universal |  | Start/Stop | NEDKL-U3 |
| | | Three Pilot Lights (red jewels ②) |  | | NEDKL-J3 |
|  |  | One Pilot Light (red jewel ②) and two universal circuits |  | Specify | NEDKL-J1U2 |
| | | Two Pilot Lights (red jewels ②) and one universal circuit |  | Specify | NEDKL-J2U1 |

① For Aluminum Cover only, add suffix - A.








② For other colors, add color suffix for each pilot light: Amber—JGBA, Blue—JGBB, Clear—JGBC, Green—JGBG, Opal—JGBO.

Optitrol® Series Covers

For Optitrol® Bodies Only

Covers ② Only — for use on standard Optitrol bodies

Supplied with 4 stainless steel captive bolts ③.

| | | Description | Catalog Number ① |
|---|---|--|---------------------|
|  NEDSK-1J |  NEDSK-2J | Push Button and Pilot Light Covers — 3/4" Tapped Openings | |
| | | One opening: one push button or one pilot light | NEDSK-1J |
| |  NEDSKL-3PB | Two openings: two push buttons, two pilot lights, or one of each | NEDSK-2J |
| Three openings: three device, three push buttons or three pilot lights, or combination of push button(s) and pilot light(s) | | NEDSKL-3PB ③ | |
| | | Push Button or Selector Switch Cover — 1/2" Tapped Openings | |
|  | | Two openings: selector switch or two push buttons (side by side) | NEDSK-2SP |
| | | Push Button, Pilot Light or Selector Switch Covers — 3/4" top and 1/2" Bottom Tapped Openings | |
|  NEDSK-1JSS |  NEDSK-B | One top and two bottom openings: one pilot light, two push buttons (side by side); one pilot light, one selector switch. | NEDSK-1JSS |
| | | Blank | NEDSK-B |
| | | Nameplate Mounting Bracket | |
|  | | <p>Mount bracket between cover screws and cover. Do not mount bracket between ground joint flame path between cover and backbox.</p> <p>Bracket with blank silver/black nameplate</p> <p>To order bracket with control station, add suffix -NPBRKT to end of catalog number.</p> <p>To order engraved nameplates, add desired markings after catalog number. Maximum of 2 lines with 12 characters (including spaces) per line.</p> | NNPBRKT-CONT |













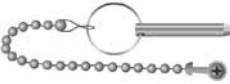

① For Aluminum Cover only, add suffix - A.

② Must be used with Optitrol Series backboxes.

③ Catalog number EDSKL-3PB supplied with 8 stainless steel non-captive bolts.

Optitrol® Series Replacement Parts and Accessories

NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Description | Contact Arrangement | Catalog Number | |
|---|--|--|---|--|
| Push Button — Factory Sealed — Momentary Contact | | | | |
|  SPBB-U1-Q | 10 Amp 600 Vac Heavy Duty 1/2" thread size (NPSM). Furnished with 1/2" to 3/4" enlarger, Weather Boot, Guard, Start, Stop and Blank Nameplates. Single Push Button | Universal |  NSPBB-U1-Q | |
| |  SPBB-U2DBL | Double Push Button | Universal |  NSPBB-U2DBL |
| Push Button — Red Mushroom Head — Factory Sealed — Maintained Contact | | | | |
|  | 10 Amp 600 Vac Heavy Duty 1/2" thread size (NPSM). Furnished with 1/2" to 3/4" enlarger and Emergency Stop Nameplate (guard not furnished). Single Push Button | Universal |  NSMPB-U1-Q | |
| |  | Rectangular Button with Weather Boot Furnished with Start, Stop and Blank Nameplates. | | NNBN-WB |
| Nameplates for Rectangular Push Buttons | | | | |
|  SNP-OFF-Q  SNP-ON-Q | Blank | NSNP-B-Q | Off | NSNP-OFF-Q |
| | Forward | NSNP-FWD-Q | On | NSNP-ON-Q |
| | Jog | NSNP-JOG-Q | Reverse | NSNP-REV-Q |
| | Run | NSNP-RUN-Q | Open | NSNP-OPEN-Q |
| | Stop | NSNP-SP-Q | Close | NSNP-CLOSE-Q |
| | Start | NSNP-ST-Q | Up | NSNP-UP-Q |
| | Down | NSNP-DOWN-Q | Test | NSNP-TEST-Q |
| | Fast | NSNP-FAST-Q | Low | NSNP-LOW-Q |
| | Slow | NSNP-SLOW-Q | High | NSNP-HIGH-Q |
| | Raise | NSNP-RAISE-Q | | |
| | Lower | NSNP-LOWER-Q | | |
| | Reset | NSNP-RESET-Q | | |
| | Push Button Replacement Locking Guards — Glass Reinforced Polypropylene — Gasketed | | | |
| |  Maintained Mushroom Head Switch Guard  Single Guard  Double Guard | Has hole for 1/4" hasp. Single Guard (Maintained Mushroom Head Switch) | | NSMPB-LG |
| Single Guard | | | NNPB-LG1 | |
| Double Guard | | | NNPB-LG2 | |
| Single Guard (No Lockout Holes) | | | NNPB-LG1-LL | |
| Double Guard (No Lockout Holes) | | | NNPB-LG2-LL | |
| Push Button Securing Rod with Chain — Stainless Steel | | | | |
|  | For use with Single Guard Only | | NNBL-SR | |
| Mushroom Head Button with Weather Boot for Use with Momentary Contact — Gasketed | | | | |
|  | Black | | NNMRB-BL | |
| | Green | | NNMRB-GR | |
| | Red | | NNMRB-RE | |

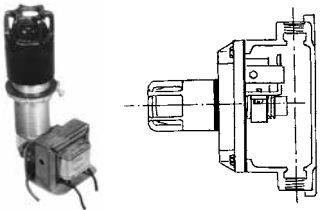
Optitrol® Series Replacement Parts and Accessories


NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Description | Catalog Number |
|---|--|------------------|
| Mushroom Head Push Button | | |
|  | For Use with Mushroom Head Button – Maintained Contact – Solid-Colored Nonmetallic Red | NNMRBM-RE |
|  | Nameplates For Mushroom Head Push Button For Momentary and Maintained | |
| | Start | NMNPSTQ |
| | Stop | NMNPSPQ |
| | Emergency Stop | NMNPESTPQ |
| | Blank | NMNPBQ |
| Pilot Light – Factory Sealed | | |
| | Incandescent | |
| | <i>Furnished with 6S6 120 Vac incandescent lamp, jewel and guard. Has 457 mm (18") long, type SFF-2 pigtail leads; +150 °C (+302 °F). Body has 3/4" straight thread (NPSM)</i> | |
| | With Red Jewel | NSPLSREB |
| | With Green Jewel | NSPLSGRB |
| | With Amber Jewel | NSPLSAMB |
| | With Blue Jewel | NSPLSBLB |
| | With Clear Jewel | NSPLSCLB |
| | With Opal Jewel | NSPLSOPB |
| | LED | |
| | <i>Furnished with candelabra base 120 Vac LED, jewel and guard. Has 457 mm (18") long, type SFF-2 pigtail leads; +150 °C (+302 °F). Body has 3/4" straight thread (NPSM).</i> | |
| | With Red LED, Clear Jewel | NSPLNSREB |
| | With Green LED, Clear Jewel | NSPLNSGRB |
| | With Amber LED, Clear Jewel | NSPLNSAMB |
| | Chamber Only (Same as above, less jewel, guard and lamp) | NSPLSSCB |
|  | Pilot Light | |
|  | Chamber Only | |
| Pilot Light Jewel/Guard Assembly | | |
| | <i>The below catalog numbers indicate an assembly of the Pilot Light Jewels and Guards. Jewels and Guards are not available as separate items.</i> | |
| | Amber Jewel/Guard | NJGBNA |
| | Blue Jewel/Guard | NJGBNB |
| | Clear Jewel/Guard | NJGBNC |
| | Green Jewel/Guard | NJGBNG |
| | Opal Jewel/Guard | NJGBNO |
| | Red Jewel/Guard | NJGBNR |
|  | | |
| Replacement Bulbs | | |
| | Clear Bulbs | |
| | Furnished with candelabra base. 6 Watt, 120 Vac Type 6S6 | NEPL-B6W |
| | LED Replacements | |
| | <i>Furnished with candelabra base. 120 Vac, 10 mA</i> | |
| | Red LED | NEPLLEDR |
| | Green LED | NEPLLEDG |
| | Amber LED | NEPLLEDA |
|  | NEPL-B6W | |
|  | NEPLLEDR | |

Optitrol® Series Replacement Parts and Accessories

NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Primary Vac | Lamp Vac | Suffix |
|---|-------------|----------|-------------|
| Transformer | | | |
|  <p>Add Suffix as listed below. Transformer clamps directly to pilot light barrel. Only one pilot light transformer assembly per one gang body.</p> | 220 | 120 | S801 |
| | 277 | 120 | S802 |
| | 440 | 120 | S803 |
| | 550 | 120 | S804 |
| | | | |

| | Description | Catalog Number |
|---|------------------|-------------------|
| Nameplates for Pilot Light | | |
|  <p>LNPRUNQ</p> | Blank | NLNPBQ |
| | Forward | NLNPFWQDQ |
| | Jog | NLNPJOGQ |
| | Run | NLNPRUNQ |
| | Stop | NLNPSQ |
| | Start | NLNPSTQ |
| | Down | NLNPDOWNQ |
| | Fast | NLNPFASQ |
| | Slow | NLNPSLOWQ |
| | Raise | NLNPRASQ |
| | Lower | NLNPLOWERQ |
| | Reset | NLNPRESETQ |
| | Off | NLNPOFFQ |
| | On | NLNPONQ |
| | Reverse | NLNPREVQ |
| | Close | NLNPCLOSEQ |
| Open | NLNPOPENQ | |
| Up | NLNPUQ | |
| Test | NLNPTSTQ | |
| Low | NLNPLWQ | |
| High | NLNPHIGHQ | |

Optitrol® Series Mounting Bodies

Explosionproof, Dust-Ignitionproof

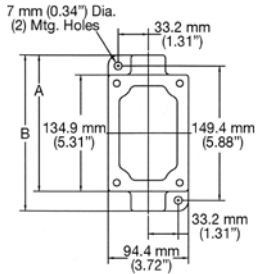
NEC:
 Class I, Division 1, Groups C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Type | Hub Size (Inches) | Catalog Number | |
|---|-----------|-------------------|----------------|-------------|
| | | | Malleable Iron | Aluminum |
| 1-Gang | | | | |
|  | Dead-End | 1/2 | NEDS171 | NEDS171-SA |
| | | 3/4 | NEDS271 | NEDS271-SA |
| | | 1 | NEDS371 | NEDS371-SA |
| | Feed-Thru | 1/2 | NEDSC171 | NEDSC171-SA |
| | | 3/4 | NEDSC271 | NEDSC271-SA |
| | | 1 | NEDSC371 | NEDSC371-SA |
| 2-Gang | | | | |
|  | Dead-End | 1/2 | NEDS172 | NEDS172-SA |
| | | 3/4 | NEDS272 | NEDS272-SA |
| | | 1 | NEDS372 | NEDS372-SA |
| | Feed-Thru | 1/2 | NEDSC172 | NEDSC172-SA |
| | | 3/4 | NEDSC272 | NEDSC272-SA |
| | | 1 | NEDSC372 | NEDSC372-SA |
| 3-Device | | | | |
|  | Dead-End | 1/2 | NEDS147 | NEDS147-SA |
| | | 3/4 | NEDS247 | NEDS247-SA |
| | | 1 | NEDS347 | NEDS347-SA |
| | Feed-Thru | 1/2 | NEDSC147 | NEDSC147-SA |
| | | 3/4 | NEDSC247 | NEDSC247-SA |
| | | 1 | NEDSC347 | NEDSC347-SA |
| Tandem ① | | | | |
|  | Dead-End | 1/2 | NEDS177 | NEDS177-SA |
| | | 3/4 | NEDS277 | NEDS277-SA |
| | | 1 | NEDS377 | NEDS377-SA |
| | Feed-Thru | 1/2 | NEDSC177 | NEDSC177-SA |
| | | 3/4 | NEDSC277 | NEDSC277-SA |
| | | 1 | NEDSC377 | NEDSC377-SA |

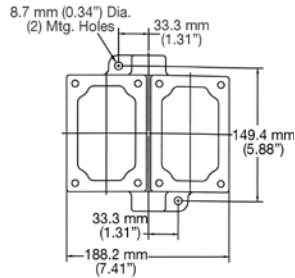
① For tandem bodies, external seals must be installed within 1.5 meters (5 feet) of each conduit entrance for Class I, Groups C and D.

Optitrol® Series Mounting Body Dimensions

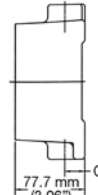
1-Gang



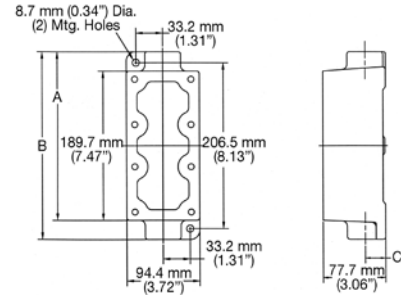
2-Gang



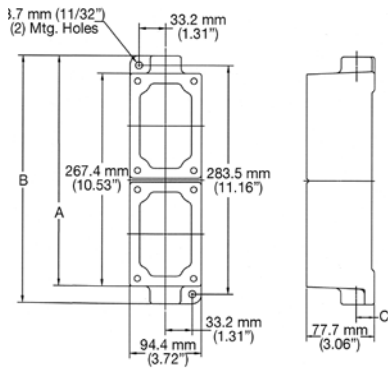
1- and 2-Gang Side View



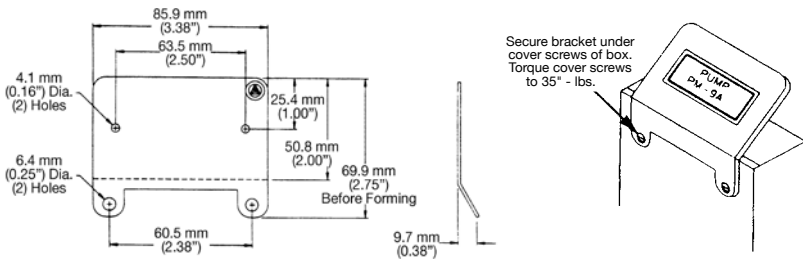
3-Device



Tandem



NPBRKT Nameplate Mounting Bracket

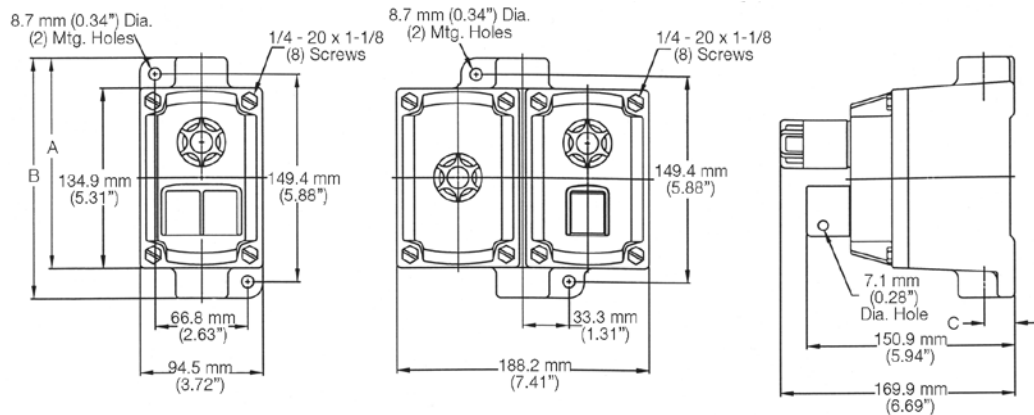


| Inlet Type | Hub Size (Inches) | Dimensions in Millimeters (Inches) | | |
|------------|-------------------|------------------------------------|---------------|-------------|
| | | A | B | C |
| 1-Gang | 1/2 | 153.9 (6.06) | 173.0 (6.81) | 19.1 (0.75) |
| | 3/4 | 153.9 (6.06) | 173.0 (6.81) | 22.4 (0.88) |
| | 1 | 156.7 (6.17) | 179.6 (7.03) | 25.4 (1.00) |
| 2-Gang | 1/2 | 153.9 (6.06) | 173.0 (6.81) | 22.4 (0.88) |
| | 3/4 | 153.9 (6.06) | 173.0 (6.81) | 22.4 (0.88) |
| | 1 | 156.7 (6.17) | 179.6 (7.03) | 25.4 (1.00) |
| 3-Device | 1/2 | 211.8 (8.34) | 233.4 (9.19) | 25.4 (1.00) |
| | 3/4 | 211.8 (8.34) | 233.4 (9.19) | 25.4 (1.00) |
| | 1 | 211.8 (8.34) | 233.4 (9.19) | 25.4 (1.00) |
| Tandem | 1/2 | 287.3 (11.31) | 309.1 (12.09) | 22.4 (0.88) |
| | 3/4 | 287.3 (11.31) | 309.1 (12.09) | 22.4 (0.88) |
| | 1 | 290.6 (11.44) | 312.7 (12.31) | 25.4 (1.00) |

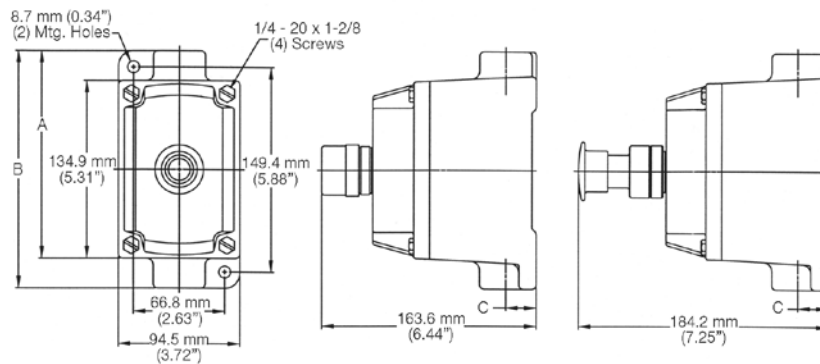
Optitrol® Series Control Station Dimensions

Pilot Push Buttons, Dust Cap Push Buttons; Pilot Lights; Rocker Arm Push Button

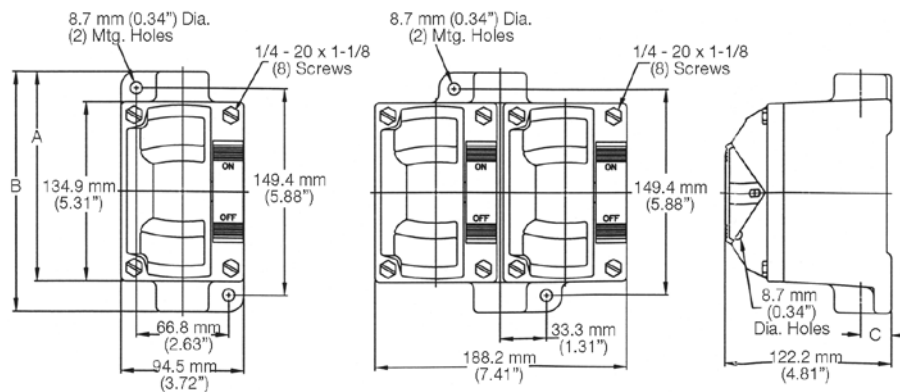
1- and 2-Gang Combination Pilot Light and Push Button



1-Gang Dust Cap Push Button and Maintained Push Button



1- and 2-Gang Rocker Arm Push Button



| Inlet Type | Hub Size (Inches) | Dimensions in Millimeters (Inches) | | |
|------------|-------------------|------------------------------------|--------------|-------------|
| | | A | B | C |
| 1-Gang | 1/2 | 153.9 (6.06) | 173.0 (6.81) | 19.1 (0.75) |
| | 3/4 | 153.9 (6.06) | 165.4 (6.51) | 22.4 (0.88) |
| | 1 | 156.7 (6.17) | 179.6 (7.03) | 25.4 (1.00) |
| 2-Gang | 1/2 and 3/4 | 153.9 (6.06) | 165.4 (6.51) | 22.4 (0.88) |
| | 1 | 156.7 (6.17) | 179.6 (7.03) | 25.4 (1.00) |

Optitrol® Series Factory Sealed Front Operated Tumbler Switches

Explosionproof, Dust-Ignitionproof

Malleable Iron Body and Cover†. Furnished with Internal Ground.

NEC:

Class I, Division 1, Groups C, D
Class I, Division 2, Group B*, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 7CD, 9EFG

Applications

- Designed to prevent arcing of enclosed switches in ignitable atmospheres during connect and disconnect operation of lighting and light power loads.
- For use in classified areas where ignitable vapors, gases or highly combustible dusts are present.
- For installation in:
 - Chemical plants
 - Petrochemical plants
 - Refineries
 - Other process industries

Features

- Enclosures have external mounting lugs for ease of mounting.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Enclosures furnished with internal ground screw.
- 20 Amp and 30 Amp units available for use with 120-277 Vac.
- Smooth ground mating surfaces assure flame-tight joint between cover and mounting enclosure.
- Stainless steel hex head cap screws for attaching cover to mounting enclosure.
- Choice of front-operating or side rocker arm handle—each may be locked in ON or OFF position.
- Each handle has close-tolerance threaded stainless steel shaft to meet Explosionproof requirements.
- Enclosures furnished with internal ground screw.

Options

- 1- or 2-gang copperfree (4/10 of 1% max.) aluminum bodies and covers available. Add suffix – SA.
- NPBRKT nameplate mounting bracket to make circuit description/identification easy.
 - Pre-drilled holes in bottom of bracket allow direct mounting to control stations with existing cover bolts.
 - Pre-drilled holes in middle of bracket allow mounting of customer's circuit identification nameplate; epoxy glue may also be used for mounting (phenolic nameplate not included).
 - Bracket eliminates costly field installation of drilling and tapping to accommodate circuit identification nameplate.
 - Brackets fit side-by-side on 2-, 3- and 4-gang boxes and 3-devices.

Standard Materials

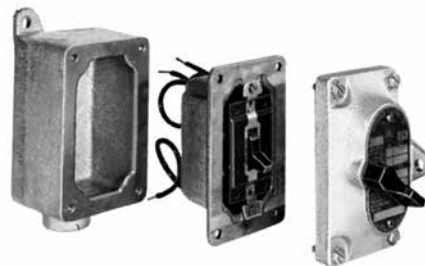
- Body and cover: malleable iron
- Handle: nylon 6/6
- Optional nameplate mounting bracket: corrosion resistant stainless steel

Standard Finishes

- Tumbler switches: triple-coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

NEC Certifications and Compliances

- UL Standards: UL 894, UL 1203
- UL Listed: E10523, E81751



Separate sealing chamber and switch construction.
Used on 20 Amp 4-way and all 30 Amp models.



Explosionproof Labyrinth Switch
Used on all 20 Amp models excluding 4-way.

♦ Indicates items which are suitable for Class I, Division 2, Group B. See product selection pages for suitable items.





Optitrol® Series Factory Sealed Front Operated Tumbler Switches

Explosionproof, Dust-Ignitionproof

Malleable Iron Body and Cover†. Furnished with Internal Ground.

NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Group B*, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

| | Hub Size (Inches) | Switch | Dead-End | Feed-Thru | |
|---|-------------------------------|-------------------------------|------------|-------------|-----------|
| 1-Gang | | | | | |
| | 20 Amp — 120-277 Vac ② | | | | |
|  | 1/2 | 1-Pole | NEDS1129 ♦ | NEDSC1129 ♦ | |
| | 1/2 | 2-Pole | NEDS118 ♦ | NEDSC118 ♦ | |
| | 1/2 | 3-Way | NEDS1130 ♦ | NEDSC1130 ♦ | |
| | 1/2 | 4-Way | NEDS1140 | NEDSC1140 | |
| | 3/4 | 1-Pole | NEDS2129 ♦ | NEDSC2129 ♦ | |
| | 3/4 | 2-Pole | NEDS218 ♦ | NEDSC218 ♦ | |
| | 3/4 | 3-Way | NEDS2130 ♦ | NEDSC2130 ♦ | |
| | 3/4 | 4-Way | NEDS2140 | NEDSC2140 | |
| Dead-End | | | | | |
|  | 1 | 1-Pole | NEDS3129 ♦ | NEDSC3129 ♦ | |
| | 1 | 2-Pole | NEDS318 ♦ | NEDSC318 ♦ | |
| | 1 | 3-Way | NEDS3130 ♦ | NEDSC3130 ♦ | |
| | 1 | 4-Way | NEDS3140 | NEDSC3140 | |
| | | 30 Amp — 120-277 Vac ③ | | | |
| | | 1 | 1-Pole | NEDS3591 | NEDSC3591 |
| | | 1 | 2-Pole | NEDS3593 | NEDSC3593 |
| | | 1 | 3-Way | NEDS3594 | NEDSC3594 |
| Feed-Thru | | | | | |
| 2-Gang | | | | | |
| | 20 Amp — 120-277 Vac ② | | | | |
|  | 1/2 | 1-Pole | NEDS1229 ♦ | NEDSC1229 ♦ | |
| | 1/2 | 2-Pole | NEDS128 ♦ | NEDSC128 ♦ | |
| | 1/2 | 3-Way | NEDS1230 ♦ | NEDSC1230 ♦ | |
| | 1/2 | 4-Way | NEDS1240 | NEDSC1240 | |
| Dead-End | 3/4 | 1-Pole | NEDS2229 ♦ | NEDSC2229 ♦ | |
| | 3/4 | 2-Pole | NEDS228 ♦ | NEDSC228 ♦ | |
| | 3/4 | 3-Way | NEDS2230 ♦ | NEDSC2230 ♦ | |
| | 3/4 | 4-Way | NEDS2240 | NEDSC2240 | |
|  | 1 | 1-Pole | NEDS3229 ♦ | NEDSC3229 ♦ | |
| | 1 | 2-Pole | NEDS328 ♦ | NEDSC328 ♦ | |
| | 1 | 3-Way | NEDS3230 ♦ | NEDSC3230 ♦ | |
| | 1 | 4-Way | NEDS3240 | NEDSC3240 | |
| Feed-Thru | | | | | |

① For Aluminum body and cover, add suffix —SA.

② 20 Amp Switches 1 HP at 120 Vac and 2 HP at 240 Vac.

③ 30 Amp Switches 2 HP at 120 Vac or 240 Vac.

♦ Contains Factory Sealed Switch; no sealing chamber. Suitable for Class I, Division 2, Group B.

Optitrol® Series Switch Covers and Sealing Chamber/Switch Assemblies


Explosionproof, Dust-Ignitionproof

Malleable Iron Body and Cover. Furnished with Internal Ground Screw.




NEC:

Class I, Division 1, Groups C, D
 Class I, Division 2, Group B*, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

Factory Sealed Front Cover/Chamber/Switch Assembly


| Switch Type | Catalog Number ① | | |
|---|-------------------------|-------------------------|-----------|
| | 20 Amp 120–277 Vac ② | 30 Amp 120–277 Vac ③ | |
|  | 1-Pole | NEDSF21Q ♦ | NEDSF31Q |
| | 2-Pole | NEDSF22Q ♦ | NEDSF32Q |
| | 3-Way | NEDSF23WQ ♦ | NEDSF33WQ |
| | 4-Way | NEDSF24WQ | — |

Cover/Switch Assembly

| Switch Type | Front Cover Only | Catalog Number EFSFR Switch ④ | Factory Sealed LAB Switch | |
|---|------------------|----------------------------------|---------------------------|---------|
|  | 1-Pole | NEDSF12 | EFSFR1Q | NLAB21 |
| | 2-Pole | NEDSF12 | EFSFR2Q | NLAB22 |
| | 3-Way | NEDSF34W | EFSFR3WQ | NLAB23W |
|   | 4-Way | NEDSF34W | EFSFR4WQ | — |

Nameplate Mounting Bracket

Mount bracket between cover screws and cover. Do not mount bracket between ground joint flame path between cover and backbox.

| Description | Catalog Number |
|---|---------------------|
|  <p>Bracket with blank silver/black nameplate for optitrol series</p> <p>To order bracket with control station, add suffix -NPBRKT to end of catalog number.</p> <p>To order engraved nameplates, add desired markings after catalog number. Maximum of 2 lines with 12 characters (including spaces) per line.</p> | NNPBRKT-CONT |

① With sealing chamber.

② 20 Amp Switches 1 HP at 120 Vac and 2 HP at 240 Vac.

③ 30 Amp Switches 2 HP at 120 Vac or 240 Vac.

④ Requires the use of Code recognized sealing method as part of installation.

♦ Contains Factory Sealed Switch; no sealing chamber. Suitable for Class I, Division 2, Group B.

NEDS Mounting Bodies for Optitrol® Series Tumbler Switches

Furnished with Internal Ground Screw.

NEC:

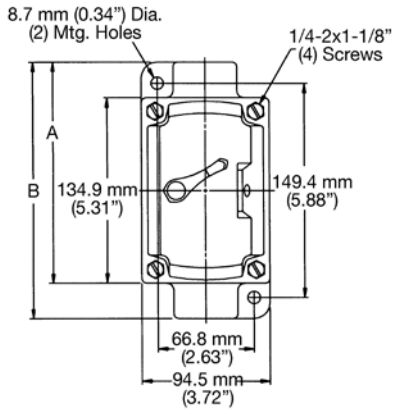
Class I, Division 1, Groups C, D
 Class I, Division 2, Group B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| | Type | Hub Size (Inches) | Catalog Number | |
|---|-----------|-------------------|----------------|-------------|
| | | | Malleable Iron | Aluminum |
| 1-Gang | | | | |
|  | Dead-End | 1/2 | NEDS171 | NEDS171-SA |
| | | 3/4 | NEDS271 | NEDS271-SA |
| | | 1 | NEDS371 | NEDS371-SA |
| | Feed-Thru | 1/2 | NEDSC171 | NEDSC171-SA |
| | | 3/4 | NEDSC271 | NEDSC271-SA |
| | | 1 | NEDSC371 | NEDSC371-SA |
| 2-Gang | | | | |
|  | Dead-End | 1/2 | NEDS172 | NEDS172-SA |
| | | 3/4 | NEDS272 | NEDS272-SA |
| | | 1 | NEDS372 | NEDS372-SA |
| | Feed-Thru | 1/2 | NEDSC172 | NEDSC172-SA |
| | | 3/4 | NEDSC272 | NEDSC272-SA |
| | | 1 | NEDSC372 | NEDSC372-SA |
| Tandem ① | | | | |
|  | Dead-End | 1/2 | NEDS177 | NEDS177-SA |
| | | 3/4 | NEDS277 | NEDS277-SA |
| | | 1 | NEDS377 | NEDS377-SA |
| | Feed-Thru | 1/2 | NEDSC177 | NEDSC177-SA |
| | | 3/4 | NEDSC277 | NEDSC277-SA |
| | | 1 | NEDSC377 | NEDSC377-SA |

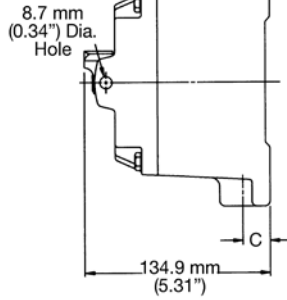
① For tandem bodies, external seals must be installed within 1.5 meters (5 feet) of each conduit entrance for Class I, Groups C and D.

Optitrol® Series Switch Dimensions

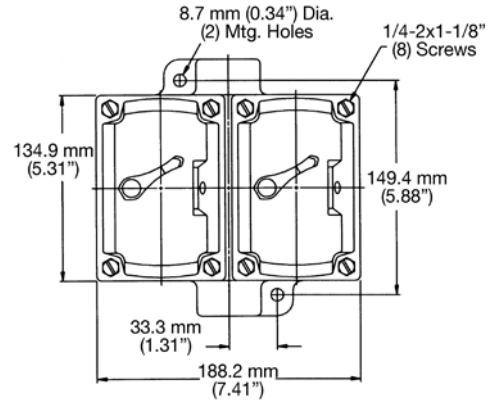
Front Operated Tumbler Switches



Front — 1-Gang



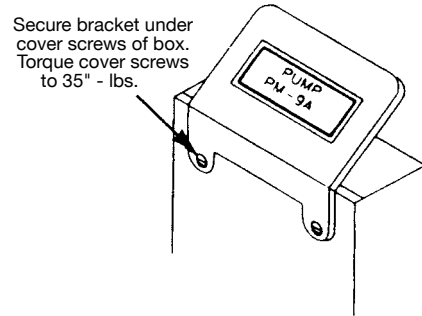
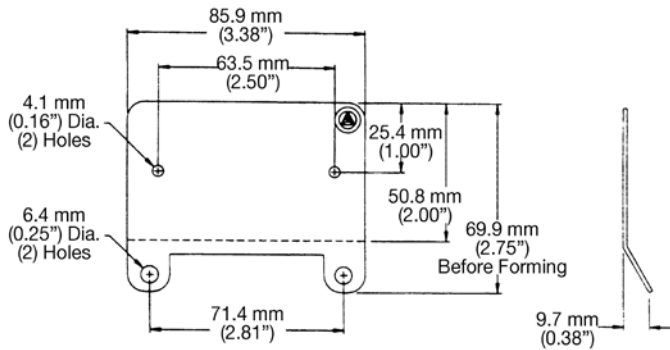
Side



Front — 2-Gang

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | |
|-------------------|------------------------------------|--------------|-------------|
| | A | B | C |
| 1/2 and 3/4 | 153.9 (6.06) | 173.0 (6.81) | 19.1 (0.75) |
| 1 | 156.7 (6.17) | 178.6 (7.03) | 25.4 (1.00) |

NPBRKT Nameplate Mounting Bracket



Optitrol® Series Factory Sealed Manual Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 7CD, 9EFG

Applications

- Manual motor starters are available to meet any plant installation requirement.
- They may be used to install a variety of electrical wiring devices and comes complete with covers and dead-end or feed-thru hub arrangements. Available with or without the heater.
- Complete units are ideal for manual starting of small Vac or Vdc motors in locations made hazardous by the presence of flammable vapors, gases or combustible dust.

Features

- Easily readable operator handle with provisions for padlocking in the ON or OFF position.
- Cast in hubs.
- Interchangeable heater units.

Standard Materials

- Body and cover: malleable iron
- Sealing chamber: copperfree (4/10 of 1% max.) aluminum
- Operating handle: nylon

Standard Finishes

- Body and cover: gray epoxy powder coat

Options

- For Aluminum Backbox and Cover add suffix **-SA**.
- Starters are furnished with one interchangeable heater. Select heater number from heater selection table and add appropriate suffix to catalog number. For example, a complete catalog number with Allen-Bradley motor starter and Allen-Bradley 0-17 amp heater: EPS2199-P1.

NEC/CEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203,
- CSA Standards: CSA C22.2 No. 14-M, C22.2 No. 25, C22.2 No. 30
- cULus Listed: E81751, E76550



1-Gang
Dead-End



2-Gang
Feed-Thru

Optitrol® Series Factory Sealed Manual Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG



Factory Sealed Manual Motor Starters with Cutler-Hammer Devices

| Poles | Hub Size (Inches) | Catalog Number Cover/Chamber/Device | 1-Gang Catalog Number ① | | 2-Gang Catalog Number ① | |
|-------|-------------------|-------------------------------------|-------------------------|------------|-------------------------|------------|
| | | | Dead-End | Feed-Thru | Dead-End | Feed-Thru |
| 1 | 1/2 | NEDSK-1MSW | NEDS11101 | NEDSC11101 | — | — |
| | 3/4 | | NEDS21101 | NEDSC21101 | NEDS22101 | NEDSC22101 |
| | 1 | | NEDS31101 | NEDSC31101 | NEDS32101 | NEDSC32101 |
| 2 | 1/2 | NEDSK-2MSW | NEDS11102 | NEDSC11102 | — | — |
| | 3/4 | | NEDS21102 | NEDSC21102 | NEDS22102 | NEDSC22102 |
| | 1 | | NEDS31102 | NEDSC31102 | NEDS32102 | NEDSC32102 |

Manual Motor Starter Horsepower Ratings

| Poles | 120–240 Vac | 32 Vdc | 120 Vdc | 240 Vdc | Cutler-Hammer Catalog Number |
|-------|-------------|--------|---------|---------|------------------------------|
| 1 | 1 HP | 1/4 HP | — | 1/4 HP | MST01 |
| 2 | 1 HP | 1/4 HP | 1 HP | 1 HP | MST02 |



Factory Sealed Motor Rated Switches — No Heater Options

| Poles | Hub Size (Inches) | Catalog Number Cover/Chamber/Device | 1-Gang Catalog Number | | 2-Gang Catalog Number | |
|-------|-------------------|-------------------------------------|-----------------------|------------|-----------------------|------------|
| | | | Dead-End | Feed-Thru | Dead-End | Feed-Thru |
| 2 | 1/2 | NEDSK-MC2 | NEDS11MC2 | NEDSC11MC2 | — | — |
| | 3/4 | | NEDS21MC2 | NEDSC21MC2 | NEDS22MC2 | NEDSC22MC2 |
| | 1 | | NEDS31MC2 | NEDSC31MC2 | NEDS32MC2 | NEDSC32MC2 |
| 3 | 1/2 | NEDSK-MC3 | NEDS11MC3 | NEDSC11MC3 | — | — |
| | 3/4 | | NEDS21MC3 | NEDSC21MC3 | NEDS22MC3 | NEDSC22MC3 |
| | 1 | | NEDS31MC3 | NEDSC31MC3 | NEDS32MC3 | NEDSC32MC3 |

Manual Contactor Switch Ratings

| Poles | Description | Rating |
|-------|----------------------------------|---|
| 2 | Square D – Class 2510, Type KO-1 | 30 Amp, 250 Vac/Vdc; 20 Amp, 600 Vac; 1 HP, 115 Vac; 2 HP, 230 Vac; 3 HP, 460-575 Vac |
| 3 | Arrow-Hart – AH7810-UD | 30 Amp, 600 Vac; 3 HP, 120 Vac; 7-1/2 HP, 240 Vac; 15 HP, 480 Vac; 15 HP 600 Vac |

① **Ordering Instructions:** Starters and starter cover assemblies are furnished with one interchangeable heater. Select heater number from heater selection table and add appropriate suffix to catalog number. For example, a complete catalog number with Cutler-Hammer motor starter and Cutler-Hammer heater: **EDS11101-W1**. Cutler-Hammer is a registered trademark of Eaton Corporation. Available in aluminum — add suffix **-SA**.

Optitrol® Series Factory Sealed Manual Motor Starters

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG



Factory Sealed Manual Motor Starters with Allen-Bradley 600 Devices

| Poles | Hub Size (Inches) | Catalog Number Cover/Chamber/Device | 1-Gang Catalog Number ① | | 2-Gang Catalog Number ① | |
|-------|-------------------|-------------------------------------|-------------------------|------------|-------------------------|------------|
| | | | Dead-End | Feed-Thru | Dead-End | Feed-Thru |
| 1 | 1/2 | NEDSK-1MSAB ① | NEDS1199 | NEDSC1199 | — | — |
| | 3/4 | | NEDS2199 | NEDSC2199 | NEDS2299 | NEDSC2299 |
| | 1 | | NEDS3199 | NEDSC3199 | NEDS3299 | NEDSC3299 |
| 2 | 1/2 | NEDSK-2MSAB ① | NEDS11100 | NEDSC11100 | — | — |
| | 3/4 | | NEDS21100 | NEDSC21100 | NEDS22100 | NEDSC22100 |
| | 1 | | NEDS31100 | NEDSC31100 | NEDS32100 | NEDSC32100 |

Manual Motor Starter Horsepower Ratings

| Poles | 120–240 Vac | 32 Vdc | 120 Vdc | 240 Vdc | Allen-Bradley Catalog Number |
|-------|-------------|--------|---------|---------|------------------------------|
| 1 | 1 HP | — | — | — | Bulletin 600 |
| 2 | 1 HP | — | 3/4 HP | 3/4 HP | Bulletin 600 |

① **Ordering Instructions:** Starters are furnished with one interchangeable heater. Select heater number from heater selection table and add appropriate suffix to catalog number. For example, a complete catalog number with an Allen-Bradley motor starter and an Allen-Bradley heater: **EDS1199-P5**. Allen-Bradley is a registered trademark of Rockwell Automation. Available in aluminum; add suffix **-SA**.

Optitrol® Series Factory Sealed Manual Motor Starter and Contactor Heaters

Allen-Bradley and Cutler-Hammer heaters and starters are not interchangeable with each other.

The "Full Load Motor Current" listed in the tables below are ratings which determine the proper heat element that should be used with the EDS Series starters. Refer to motor nameplate for its full load motor current. It is our recommendation that for normal conditions the heater element selected should have a capacity of 20 to 25% greater than the full load current of the motor. This applies to standard +40 °C (+104 °F) temperature rise motors. For +50 °C (+122 °F) rise motors, a heater not greater than 115% full load current should be selected.

However, due to the difference between full load motor currents of various motor manufacturers of the same size motors, the above information is approximate.

If selection of heater element is uncertain as might be in the case of a motor subject to frequent starting and intermittent load, it is advisable to contact the starter manufacturer or his local representative giving full particulars, such as motor horsepower, voltage, phase cycles, name or manufacturer or pertinent data that may aid in the selection of the proper heater element.

Allen-Bradley ◀

| Full Load Motor Current (Amp) | Add Suffix Optitrol/EDS |
|-------------------------------|-------------------------|
| 0.17 | P1 |
| 0.21 | P2 |
| 0.25 | P3 |
| 0.32 | P4 |
| 0.39 | P5 |
| 0.46 | P6 |
| 0.57 | P7 |
| 0.71 | P8 |
| 0.79 | P9 |
| 0.87 | P10 |
| 0.98 | P11 |
| 1.08 | P12 |
| 1.19 | P13 |
| 1.30 | P14 |
| 1.43 | P15 |
| 1.58 | P16 |
| 1.75 | P17 |
| 1.88 | P18 |
| 2.13 | P19 |
| 2.40 | P20 |
| 2.58 | P21 |
| 2.92 | P22 |
| 3.09 | P23 |
| 3.32 | P24 |
| 3.77 | P25 |
| 4.16 | P26 |
| 4.51 | P27 |
| 4.93 | P28 |
| 5.43 | P29 |
| 6.03 | P30 |
| 6.83 | P31 |
| 7.72 | P32 |
| 8.24 | P33 |
| 8.90 | P34 |
| 9.60 | P35 |
| 10.80 | P36 |
| 12.00 | P37 |
| 13.50 | P38 |
| 15.20 | P39 |

Cutler-Hammer ◀




| Full Load Motor Current (Amp) | Heater Rating (Amp) | Add Suffix Optitrol |
|-------------------------------|---------------------|---------------------|
| 0.40-0.43 | 0.50 | W1 |
| 0.44-0.48 | 0.55 | W2 |
| 0.49-0.53 | 0.61 | W3 |
| 0.54-0.58 | 0.67 | W4 |
| 0.59-0.64 | 0.74 | W5 |
| 0.65-0.71 | 0.81 | W6 |
| 0.72-0.78 | 0.89 | W7 |
| 0.79-0.87 | 0.98 | W8 |
| 0.88-0.95 | 1.10 | W9 |
| 0.96-1.03 | 1.20 | W10 |
| 1.04-1.15 | 1.30 | W11 |
| 1.16-1.27 | 1.45 | W12 |
| 1.28-1.35 | 1.60 | W13 |
| 1.36-1.51 | 1.70 | W14 |
| 1.52-1.67 | 1.90 | W15 |
| 1.68-1.83 | 2.10 | W16 |
| 1.84-1.99 | 2.30 | W17 |
| 2.00-2.23 | 2.50 | W18 |
| 2.24-2.47 | 2.80 | W19 |
| 2.48-2.71 | 3.10 | W20 |
| 2.72-2.95 | 3.40 | W21 |
| 2.96-3.27 | 3.70 | W22 |
| 3.28-3.59 | 4.10 | W23 |
| 3.60-3.99 | 4.50 | W24 |
| 4.00-4.39 | 5.00 | W25 |
| 4.40-4.79 | 5.50 | W26 |
| 4.80-5.26 | 6.00 | W27 |
| 5.27-5.83 | 6.60 | W28 |
| 5.84-6.39 | 7.30 | W29 |
| 6.40-7.03 | 8.00 | W30 |
| 7.07-7.74 | 8.80 | W31 |
| 7.75-8.46 | 9.70 | W32 |
| 8.47-9.35 | 10.60 | W33 |
| 9.36-10.30 | 11.70 | W34 |
| 10.31-11.35 | 12.90 | W35 |
| 11.36-12.47 | 14.20 | W36 |
| 12.48-13.67 | 15.60 | W37 |
| 13.68-15.12 | 17.10 | W38 |
| 15.13-16.00 | 18.60 | W39 |

◀ Cutler-Hammer is a registered trademark of Eaton Corporation. Allen-Bradley is a registered trademark of Rockwell Automation.

Optitrol® Series Factory Sealed Manual Motor Starter Mounting Bodies

Explosionproof, Dust-Ignitionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 7CD, 9EFG

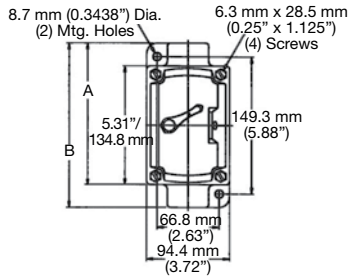
| | Type | Hub Size (Inches) | Catalog Number | |
|---|-----------|-------------------|----------------|-------------|
| | | | Malleable Iron | Aluminum |
| 1-Gang | | | | |
|  | Dead-End | 1/2 | NEDS171 | NEDS171-SA |
| | | 3/4 | NEDS271 | NEDS271-SA |
| | | 1 | NEDS371 | NEDS371-SA |
| | Feed-Thru | 1/2 | NEDSC171 | NEDSC171-SA |
| | | 3/4 | NEDSC271 | NEDSC271-SA |
| | | 1 | NEDSC371 | NEDSC371-SA |
| 2-Gang | | | | |
|  | Dead-End | 1/2 | NEDS172 | NEDS172-SA |
| | | 3/4 | NEDS272 | NEDS272-SA |
| | | 1 | NEDS372 | NEDS372-SA |
| | Feed-Thru | 1/2 | NEDSC172 | NEDSC172-SA |
| | | 3/4 | NEDSC272 | NEDSC272-SA |
| | | 1 | NEDSC372 | NEDSC372-SA |
| Tandem ① | | | | |
|  | Dead-End | 1/2 | NEDS177 | NEDS177-SA |
| | | 3/4 | NEDS277 | NEDS277-SA |
| | | 1 | NEDS377 | NEDS377-SA |
| | Feed-Thru | 1/2 | NEDSC177 | NEDSC177-SA |
| | | 3/4 | NEDSC277 | NEDSC277-SA |
| | | 1 | NEDSC377 | NEDSC377-SA |

① For tandem bodies, external seals must be installed within 1.5 meters (5 feet) of each conduit entrance for Class I, Groups C and D.

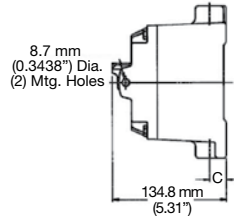
Optitrol® Series Factory Sealed Manual Motor Starter and Contactor Dimensions

Explosionproof, Dust-Ignitionproof

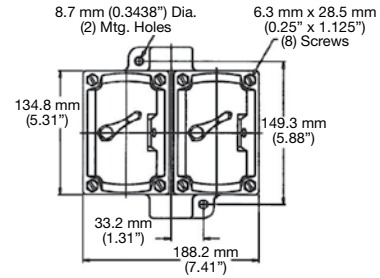
1-Gang and 2-Gang



1-Gang Front



Single/Two Gang Side



2-Gang Front

| Hub Size (Inches) | Dimensions in Millimeters (Inches) | | |
|----------------------|------------------------------------|--------------|-------------|
| | A | B | C |
| 1/2 | 153.9 (6.06) | 172.9 (6.81) | 19.0 (0.75) |
| 3/4 | 153.9 (6.06) | 172.9 (6.81) | 22.3 (0.88) |
| 1 | 156.7 (6.17) | 178.5 (7.03) | 25.4 (1.00) |

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

Application

- Combination and non-combination motor starters are used in areas where hazardous materials are handled or stored.
- These units provide disconnecting means, undervoltage protection, circuit protection, and motor running protection.

Features

- Copperfree cast aluminum.
- Precision machined flame path between box and cover.
- Bolt on slotted mounting feet.
- Stainless steel, captive Quad-Lead® cover bolts (disengage in 1-1/2 turns).
- External stainless steel breaker operating handle.
- Ground lug package and installation instructions for termination of ground wire enclosed.
- Four point control terminal block, NEMA 1B with wire markers.
- Breaker operators can be locked in the ON or OFF position (combination starters only).
- Four plugged 3/4" NPSM outlets drilled and tapped for control devices.
- Standard outlets top and bottom.
- Plugged 1/2" outlets top and bottom for optional breather/drain.
- Components are mounted on a galvanized steel removable pan.
- Enclosures are designed to accept Cutler-Hammer ⁺, or Square D [■] motor starters/circuit breakers. For other manufacturers, contact your local representative.
- O-ring gasket insures watertight integrity.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1%) aluminum
- Block hinges, cover bolts, handle, breaker and operator shafts: stainless steel
- O-ring: neoprene

Standard Finish

- Corrosion resistant gray powder coat epoxy inside and out

Options

- See modifications page.

NEC Certifications and Compliances

- ANSI/UL Standards: UL 508, UL 50, UL 1203
- CSA Standards: C22.2 No. 0-10, C22.2 No. 14-10, C22.2 No. 25-1996, C22.2 No. 30-M1986 and C22.2 No. 94-M91
- cCSAus Certified: 2561837



⁺ Cutler-Hammer is a registered trademark of Eaton Corporation.

[■] Square D is a registered trademark of Schneider Electric.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Catalog Numbering Guide

Example: The part number below depicts an Appleton, Class I, Division I, Groups B, C and D, NEMA Size 1, Bolted type, Combination Full Voltage Nonreversing Motor Starter operating at 480 Vac, Cutler-Hammer + starter w/120 Vac control voltage, and a Cutler-Hammer 7A MCP. If a breaker is not required, omit last two characters.

| | | | | | | | | | | |
|---|---|---|----------|----------|--|---|---|----------|--|--|
| AE NEC/CEC Certified AE Series | 1 NEMA Size: 0 1 2 3 4 5 | B | B | 4 | W | 1 | C | 2 | ▲ | |
| | | Starter Function: A - FVNR (ATL) B - Combination FVNR M - Lighting Contactor (3- thru 12-pole) ① N - Combination Lighting Contactor (3- thru 12-pole) ① Optional Starter Function ②: C - FVR D - Combination FVR E - 2S1W F - Comb. 2S1W G - 2S2W H - Combination 2S2W J - Contactor (3 pole) K - Combination Contactor (3-pole) | | | | Control Voltage (120 V coil standard): 1 - 120 Vac 2 - 240 Vac 3 - 380 Vac 4 - 480 Vac 6 - 600 Vac 8 - 480 V Coil/120 V Control 9 - 208 Vac 0 - 277 Vac | | | Suffix for Other Options/Features: See Modifications | |
| | | Operating Voltage: 1 - 120 Vac 2 - 240 Vac 3 - 380 Vac 4 - 480 Vac 6 - 600 Vac 9 - 208 Vac | | | | Breaker Manufacturer: ③ C - Cutler-Hammer S - Square D | | | | |
| | | Enclosure Type: B Series | | | Starter Manufacturer: ③ W - Standard; Eaton/ Cutler-Hammer (A200) C - Freedom (AN16) Bi Metal; Eaton/Cutler- Hammer and A - Freedom (AN19) Electronic; Eaton/ Cutler-Hammer S - Square D | | MCP or Breaker Trip: MCP 1 - 3 Amp 2 - 7 Amp 3 - 15 Amp 4 - 30 Amp 5 - 50 Amp 6 - 70 Amp 7 - 100 Amp 8 - 150 Amp 9 - 250 Amp 0 - 400 Amp | | Breaker Trip (Thermal Mag): A - 15 Amp B - 20 Amp C - 25 Amp D - 30 Amp E - 35 Amp F - 40 Amp G - 50 Amp H - 60 Amp J - 70 Amp K - 80 Amp M - 90 Amp N - 100 Amp P - 125 Amp Q - 150 Amp R - 175 Amp S - 200 Amp T - 225 Amp U - 250 Amp V - 300 Amp W - 350 Amp X - 400 Amp | |

① Standard starter is manufactured by Square D; electrically operated, electrically held. Optional starter manufacture is ASCO; electrically operated, mechanically held. Contact your local sales representative for details.

② Contact your local sales representative for details.

③ Contact your local sales representative for additional UL Classified starters (Allen Bradley 509 and Vacuum, Sprecher and Schuh, Siemens, GE, and Cutler Hammer ITT Softstart and V200 Vacuum).

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

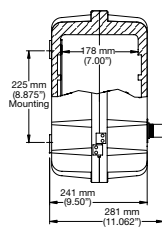
NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

Empty Enclosure

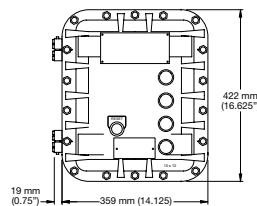
| NEMA Size | Catalog Number ▲ | Approximate Weight kg (lb) | Standard Conduit (Inches) | Mounting Hardware Set Catalog Number |
|---|------------------|----------------------------|---------------------------|--------------------------------------|
| Full Voltage Nonreversing Enclosure Only | | | | |
| 0 | NE0BA | 36 (80) | | |
| 1 | NE1BA | 36 (80) | 1-1/2 | |
| 2 | NE2BA | 39 (85) | | NMH7 |
| 3 | NE3BA | 64 (140) | 2 | |
| 4 | NE4BA | 64 (140) | 2-1/2 | |
| 5 | NE5BA | 227 (500) | 4 | NMH8 |

Dimensions in Millimeters (Inches) – Starter Only

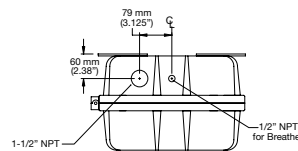
Enclosure Layout for Size 0, 1 and 2 – Starter Only



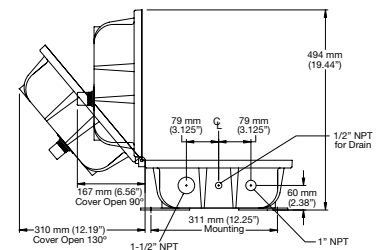
Left Side View



Front View

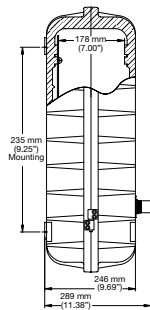


Top View

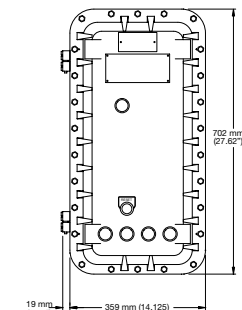


Bottom View

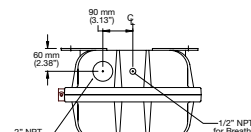
Enclosure Layout for Size 3 – Starter Only



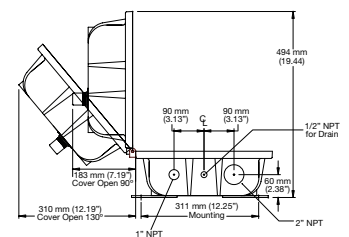
Left Side View



Front View



Top View



Bottom View

▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

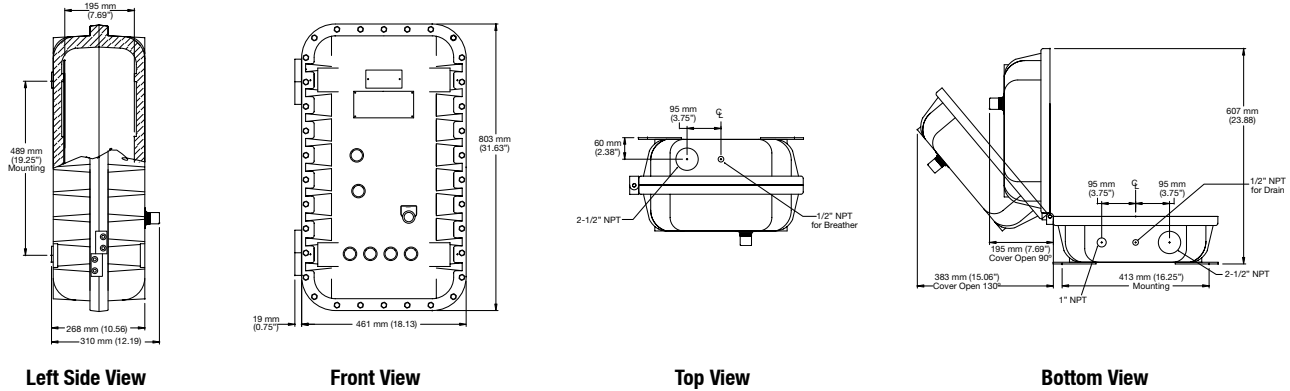
Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

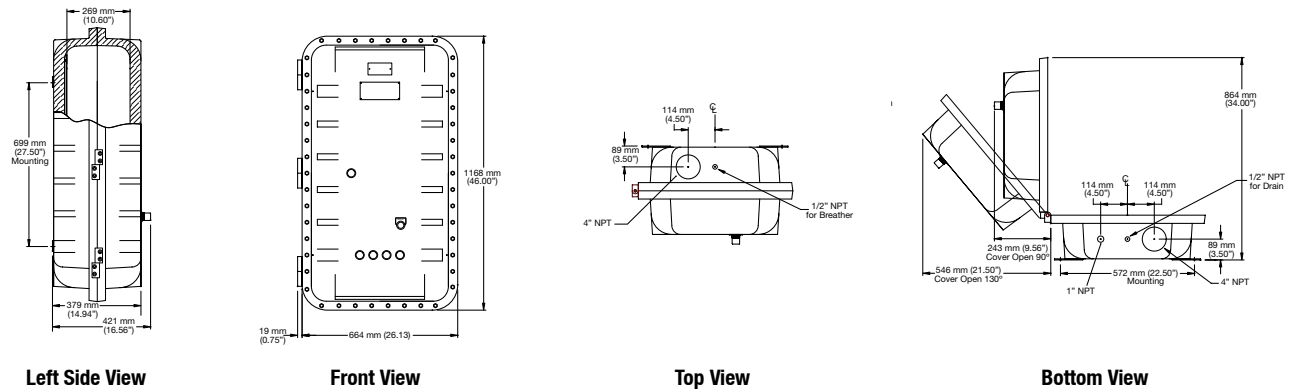
NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Dimensions in Millimeters (Inches) – Starter Only

Enclosure Layout for Size 4 – Starter Only



Enclosure Layout for Size 5 – Starter Only



NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

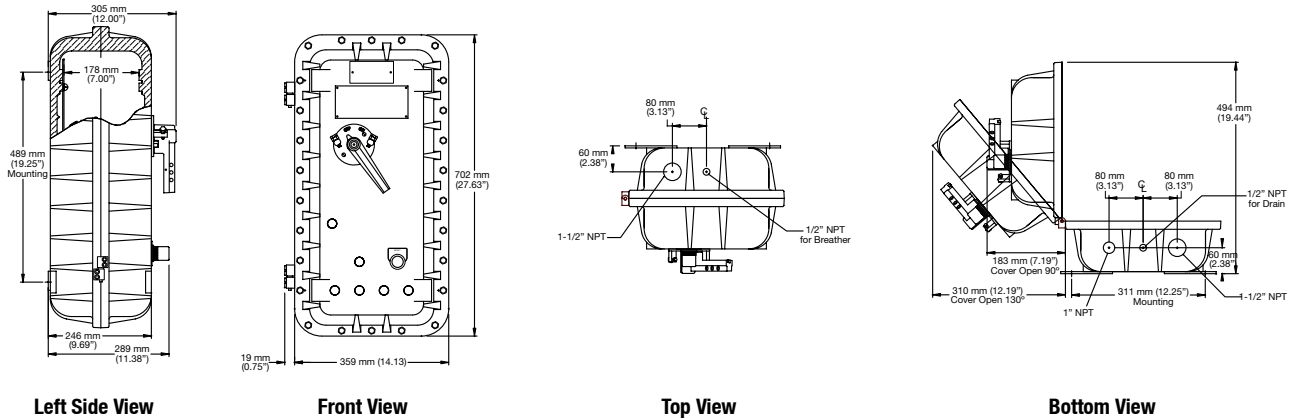
NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Empty Enclosure

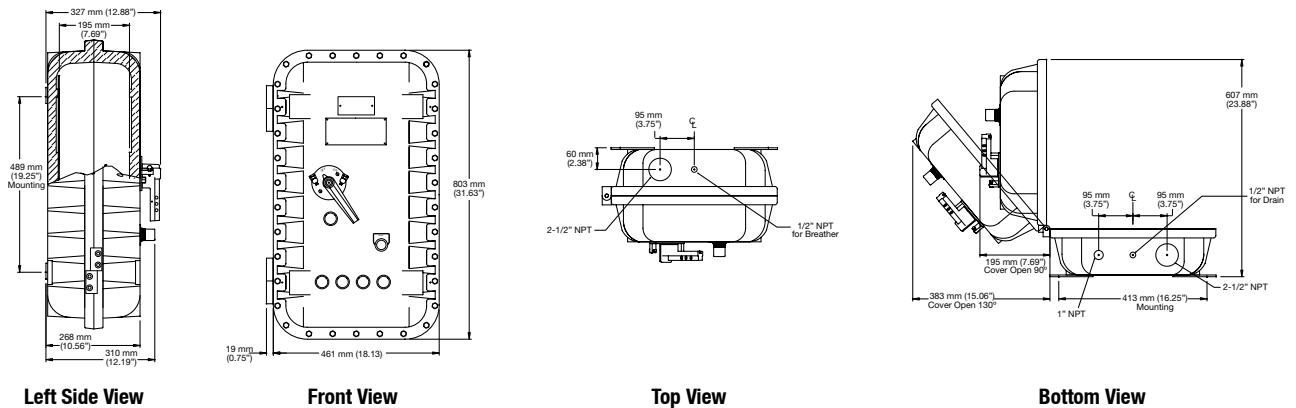
| NEMA Size | Catalog Number [▲] | Approximate Weight kg (lb) | Standard Conduit (Inches) | Mounting Hardware Set Catalog Number |
|---|-----------------------------|-------------------------------|------------------------------|---|
| Combination Full Voltage Nonreversing Enclosure Only | | | | |
| 0 | NE0BB | 36 (80) | 1-1/2 | NMH7 |
| 1 | NE1BB | 36 (80) | | |
| 2 | NE2BB | 39 (85) | | |
| 3 | NE3BB | 64 (140) | 2-1/2 | NMH8 |
| 4 | NE4BB | 64 (140) | | |
| 5 | NE5BB | 227 (500) | | |

Dimensions in Millimeters (Inches) – Combination

Enclosure Layout for Size 0, 1 and 2 – Combination



Enclosure Layout for Size 3 and 4 – Combination



▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

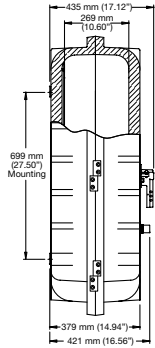
Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

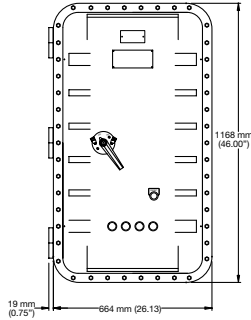
NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

Dimensions in Millimeters (Inches) – Combination

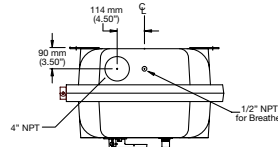
Enclosure Layout for Size 5 – Combination



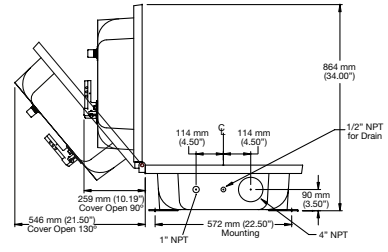
Left Side View



Front View



Top View



Bottom View

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

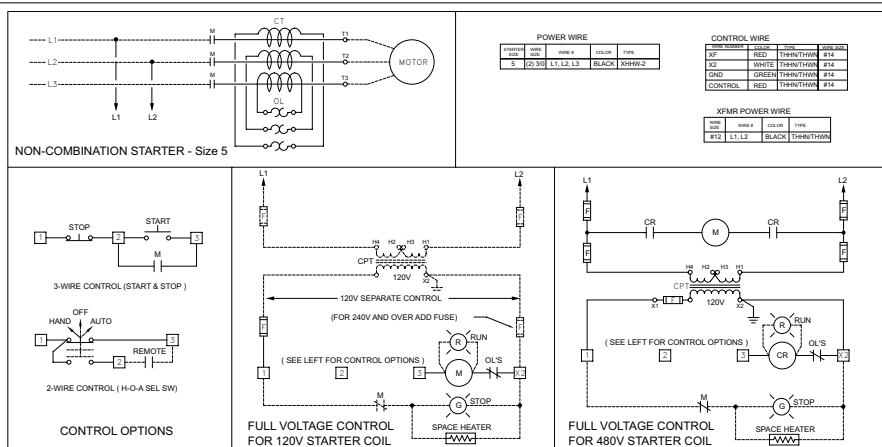
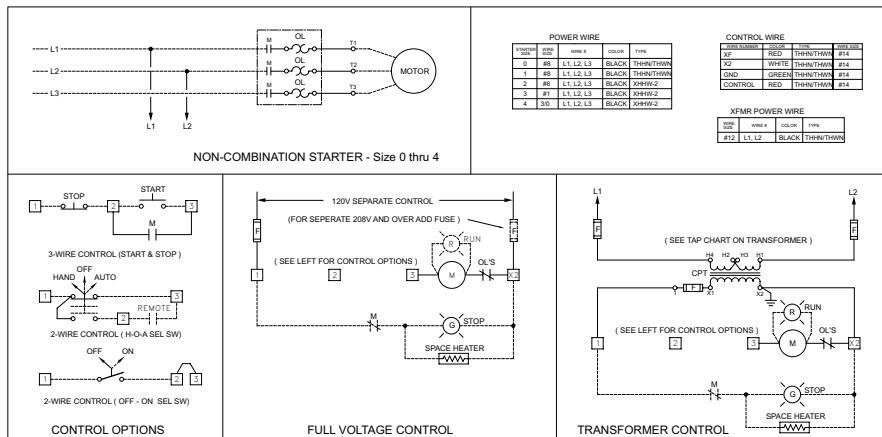
NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Full Voltage Motor Starter — Nonreversing — 3-Phase, 60 Hertz, 120 V Coil

| Line Voltage | NEMA Size | Maximum Horsepower | Amp Trip | Catalog Number [▲] | Approximate Weight kg (lb) | Conduit Size (Inches) | Mounting Hardware Set Catalog Number |
|--------------|-----------|--------------------|-----------------|-----------------------------|----------------------------|-----------------------|--------------------------------------|
| 480 | 0 | 5 | NA | NE0BA4W1 | 36 (80) | 1-1/2 | NMH7 |
| | 1 | 10 | NA | NE1BA4W1 | 36 (80) | | |
| | 2 | 25 | NA | NE2BA4W1 | 39 (85) | | |
| | 3 | 50 | NA | NE3BA4W1 | 64 (140) | 2 | |
| | 4 | 100 | NA | NE4BA4W1 | 64 (140) | 2-1/2 | |
| 600 | 5 | 200 | NA | NE5BA4W1 | 227 (500) | 4 | NMH8 |
| | 0 | 5 | NA | NE0BA6W1 | 57 (125) | 1-1/2 | NMH7 |
| | 1 | 10 | NA | NE1BA6W1 | 57 (125) | | |
| | 2 | 25 | NA | NE2BA6W1 | 59 (130) | | |
| | 3 | 50 | NA | NE3BA6W1 | 88 (195) | 2 | |
| 4 | 100 | NA | NE4BA6W1 | 88 (195) | 2-1/2 | | |
| | 5 | 200 | NA | NE5BA6W1 | 227 (500) | 4 | NMH8 |

Wiring Diagrams



▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

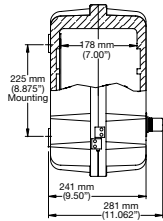
Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

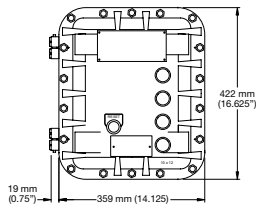
NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Dimensions in Millimeters (Inches) – Starter Only

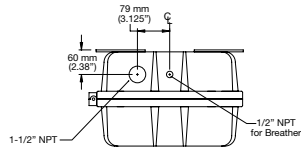
Enclosure Layout for Size 0, 1 and 2 – Starter Only



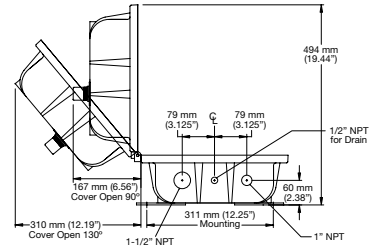
Left Side View



Front View

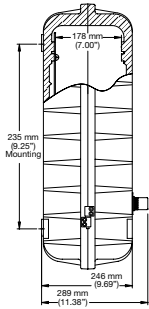


Top View

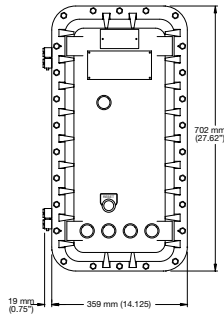


Bottom View

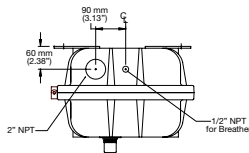
Enclosure Layout for Size 3 – Starter Only



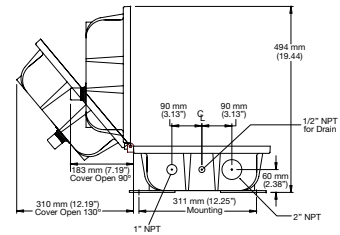
Left Side View



Front View



Top View



Bottom View

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

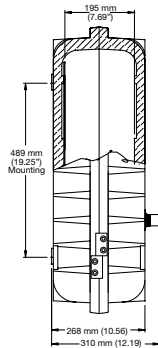
Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

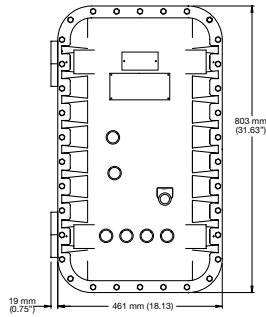
NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Dimensions in Millimeters (Inches) – Starter Only

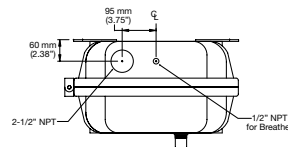
Enclosure Layout for Size 4 – Starter Only



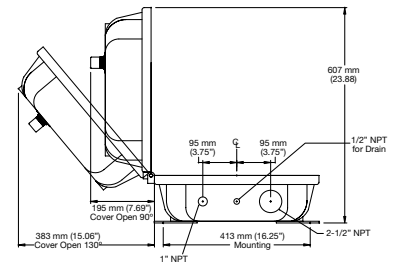
Left Side View



Front View

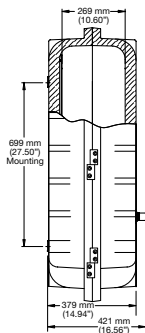


Top View

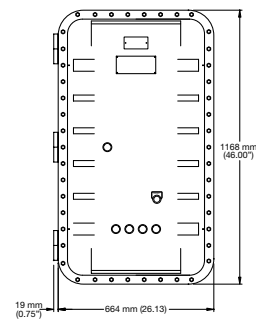


Bottom View

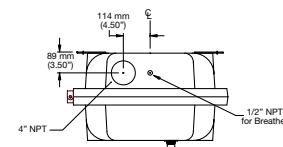
Enclosure Layout for Size 5 – Starter Only



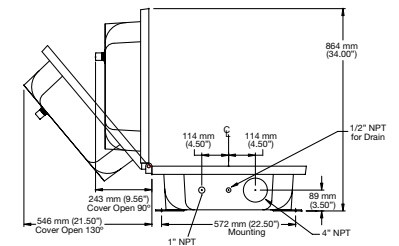
Left Side View



Front View



Top View



Bottom View

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Combination Full Voltage Motor Starters With Motor Circuit Protector (MCP) – Nonreversing – 3-Phase, 60 Hertz, 120 V Coil

| Line Voltage | NEMA Size | Maximum Horsepower | Amp Trip | Catalog Number [▲] | Approximate Weight kg (lb) | Conduit Size (Inches) | Mounting Hardware Set Catalog Number | |
|--------------|-----------|--------------------|------------|-----------------------------|----------------------------|-----------------------|--------------------------------------|-------|
| 480 | 0 | 1 | 3 | NE0BB4W1C1 | 57 (125) | 1-1/2 | NMH7 | |
| | | 3 | 7 | NE0BB4W1C2 | 57 (125) | | | |
| | | 5 | 15 | NE0BB4W1C3 | 57 (125) | | | |
| | 1 | 7 | 15 | NE1BB4W1C3 | 57 (125) | | | |
| | | 10 | 30 | NE1BB4W1C4 | 59 (130) | | | |
| | 2 | 12 | 30 | NE2BB4W1C4 | 59 (130) | | | |
| | | 25 | 50 | NE2BB4W1C5 | 59 (130) | | | |
| | 3 | 30 | 50 | NE3BB4W1C5 | 88 (195) | | | 2-1/2 |
| | | 50 | 100 | NE3BB4W1C7 | 88 (195) | | | |
| | 4 | 100 | 150 | NE4BB4W1C8 | 88 (195) | | | |
| 5 | 200 | 400 | NE5BB4W1C0 | 227 (500) | 4 | NMH8 | | |
| 600 | 0 | 1 | 3 | NE0BB6W1C1 | 57 (125) | 1-1/2 | NMH7 | |
| | | 3 | 7 | NE0BB6W1C2 | 57 (125) | | | |
| | | 5 | 15 | NE0BB6W1C3 | 57 (125) | | | |
| | 1 | 7 | 15 | NE1BB6W1C3 | 57 (125) | | | |
| | | 10 | 30 | NE1BB6W1C4 | 57 (125) | | | |
| | 2 | 20 | 30 | NE2BB6W1C4 | 59 (130) | | | 2-1/2 |
| | | 25 | 50 | NE2BB6W1C5 | 59 (130) | | | |
| | 3 | 40 | 50 | NE3BB6W1C5 | 88 (195) | | | 2-1/2 |
| | | 50 | 100 | NE3BB6W1C7 | 88 (195) | | | |
| | 4 | 60 | 100 | NE4BB6W1C7 | 88 (195) | | | 2-1/2 |
| 100 | | 150 | NE4BB6W1C8 | 88 (195) | | | | |
| 5 | 200 | 400 | NE5BB6W1C0 | 227 (500) | 4 | NMH8 | | |

▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

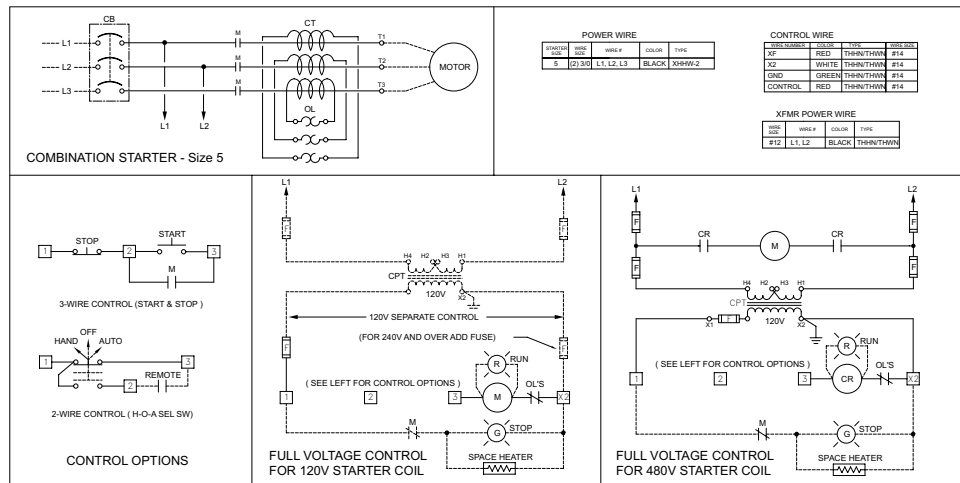
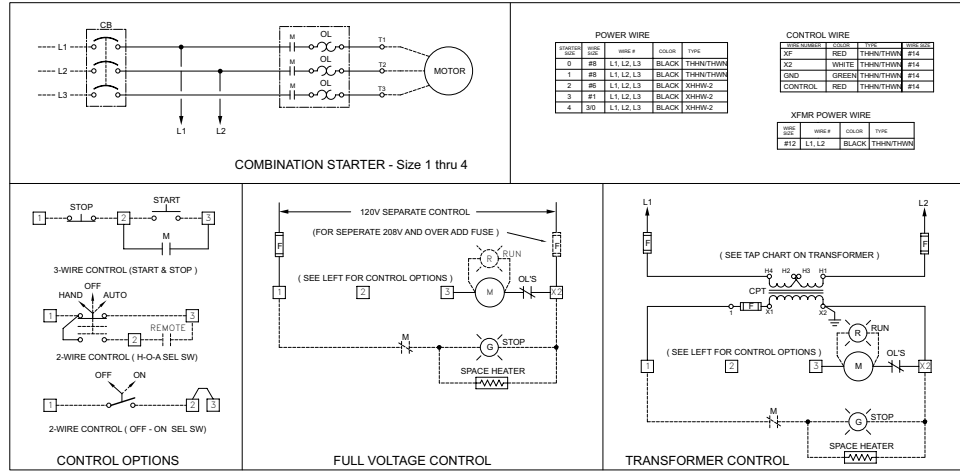
Full Voltage. Combination and Non-Combination.

NEC/CEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:
 NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Combination Full Voltage Motor Starters With Motor Circuit Protector (MCP) – Nonreversing – 3-Phase, 60 Hertz, 120 V Coil

Wiring Diagram



NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

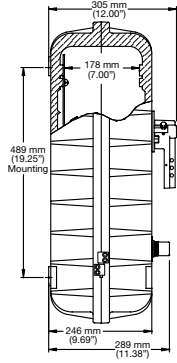
NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

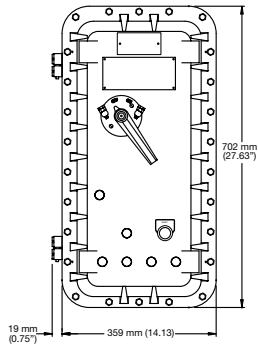
NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

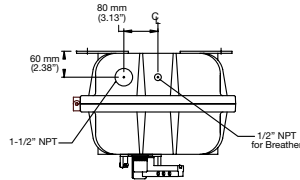
Dimensions in Millimeters (Inches) – Combination
Enclosure Layout for Size 0, 1 and 2 – Combination



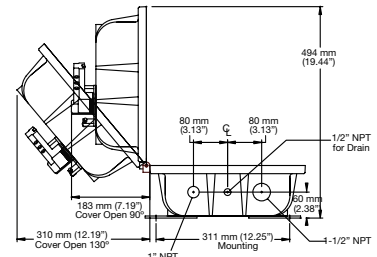
Left Side View



Front View

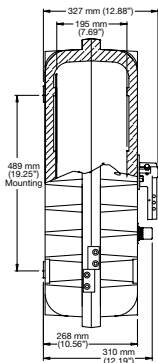


Top View

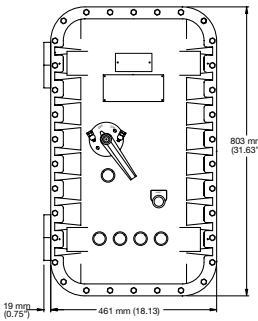


Bottom View

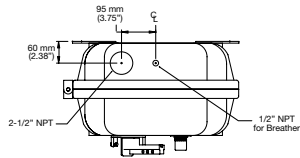
Enclosure Layout for Size 3 and 4 – Combination



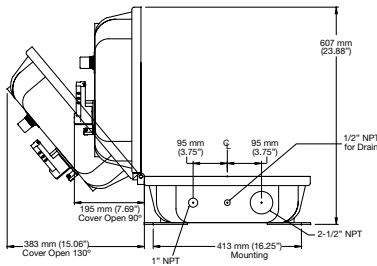
Left Side View



Front View

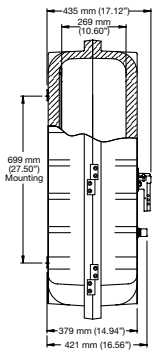


Top View

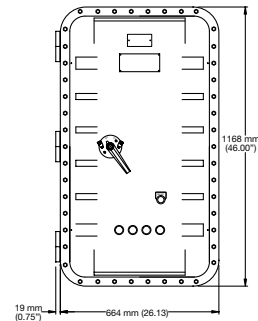


Bottom View

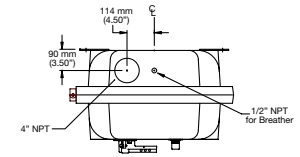
Enclosure Layout for Size 5 – Combination



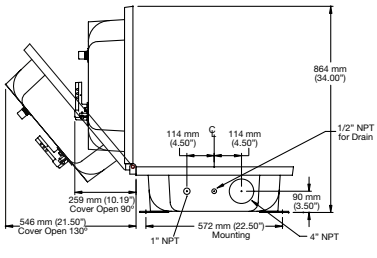
Left Side View



Front View



Top View



Bottom View

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

Combination Full Voltage Motor Starters with Thermal Magnetic Circuit Breaker – Nonreversing – 3-Phase, 60 Hertz, 120 V Coil

| Line Voltage | NEMA Size | Maximum Horsepower | Amp Trip | Catalog Number [▲] | Approximate Weight kg (lb) | Conduit Size (Inches) | Mounting Hardware Set Catalog Number | |
|--------------|-----------|--------------------|----------|-----------------------------|----------------------------|-----------------------|--------------------------------------|-------|
| 480 | 0 | 3 | 15 | NE0BB4W1CA | 57 (125) | 1-1/2 | NMH7 | |
| | | 5 | 20 | NE0BB4W1CB | 57 (125) | | | |
| | 1 | 7-1/2 | 30 | NE1BB4W1CD | 57 (125) | | | |
| | | 10 | 35 | NE1BB4W1CE | 57 (125) | | | |
| | 2 | 20 | 50 | NE2BB4W1CG | 59 (130) | | | 2-1/2 |
| | | 25 | 70 | NE2BB4W1CJ | 59 (130) | | | |
| | 3 | 50 | 100 | NE3BB4W1CN | 88 (195) | | | |
| | | 60 | 125 | NE3BB4W1CP | 88 (195) | | | |
| | 4 | 75 | 150 | NE4BB4W1CQ | 88 (195) | 4 | NMH8 | |
| | | 100 | 200 | NE4BB4W1CS | 88 (195) | | | |
| | | 125 | 250 | NE5BB4W1CU | 227 (500) | | | |
| | 600 | 0 | 5 | 15 | NE0BB6W1CA | 57 (125) | 1-1/2 | NMH7 |
| | | | 1 | 7-1/2 | 20 | NE1BB6W1CB | | |
| | | 10 | | 30 | NE1BB6W1CD | 57 (125) | | |
| | | 2 | 15 | 40 | NE2BB6W1CF | 59 (130) | | |
| 25 | | | 50 | NE2BB6W1CG | 59 (130) | | | |
| 3 | | 30 | 70 | NE3BB6W1CJ | 88 (195) | | | |
| | | 50 | 100 | NE3BB6W1CN | 88 (195) | | | |
| 4 | | 75 | 125 | NE4BB6W1CP | 88 (195) | 4 | NMH8 | |
| | | 100 | 150 | NE4BB6W1CQ | 88 (195) | | | |
| 5 | | 150 | 250 | NE5BB6W1CU | 227 (500) | | | |
| | | 200 | 300 | NE5BB6W1CV | 227 (500) | | | |

▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

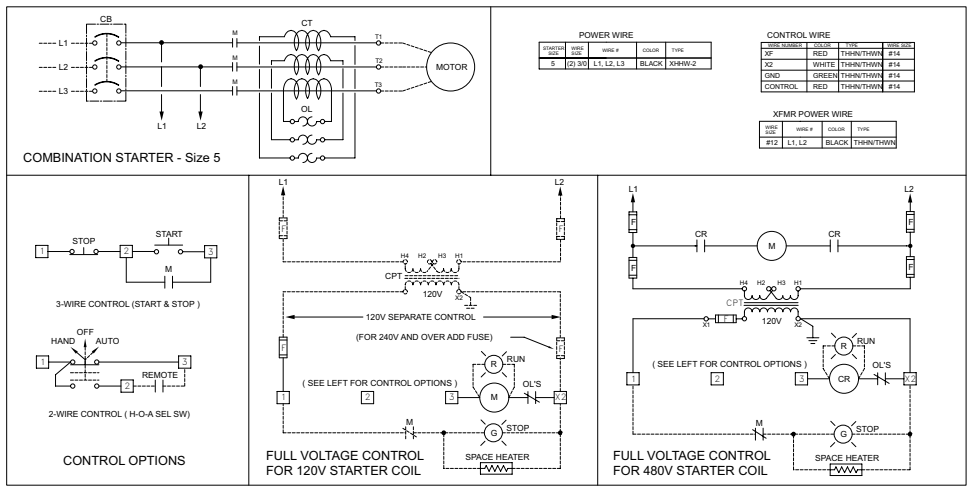
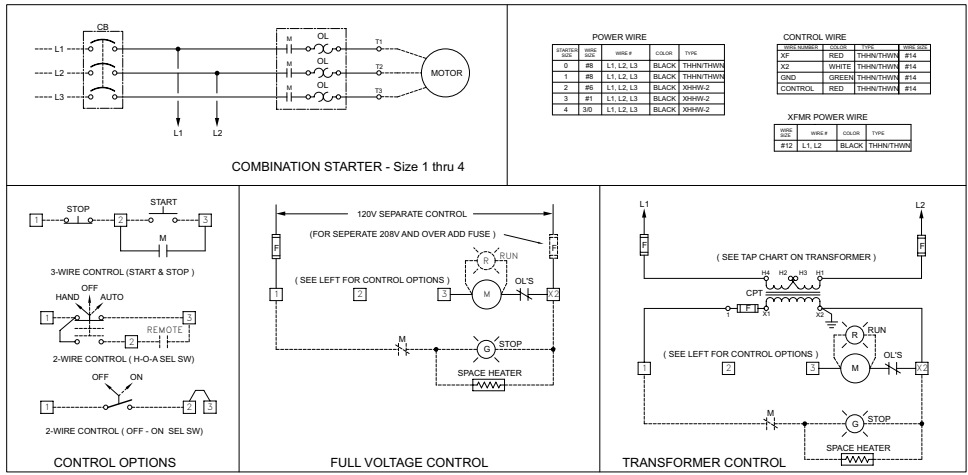
Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Combination Full Voltage Motor Starters with Thermal Magnetic Circuit Breaker – Nonreversing – 3-Phase, 60 Hertz, 120 V Coil

Wiring Diagram



NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

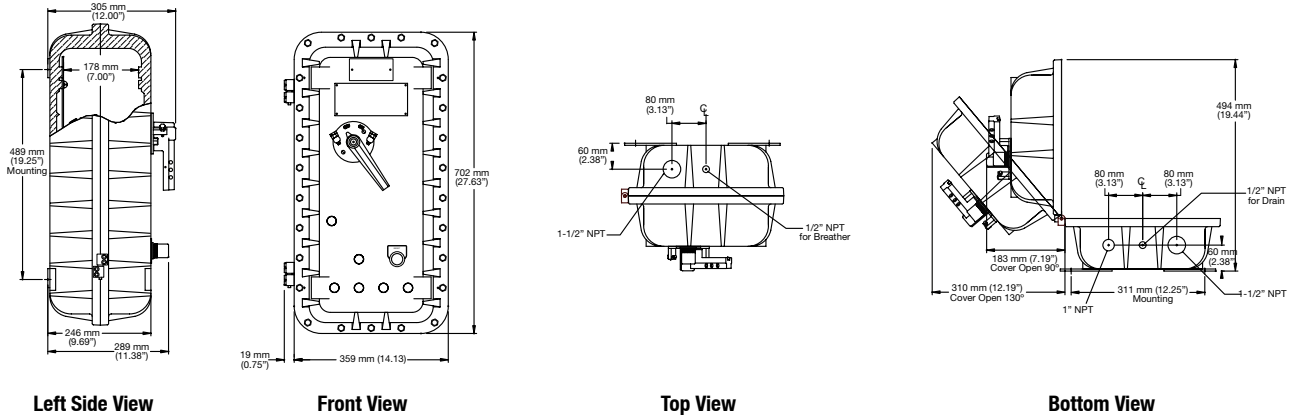
Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC:

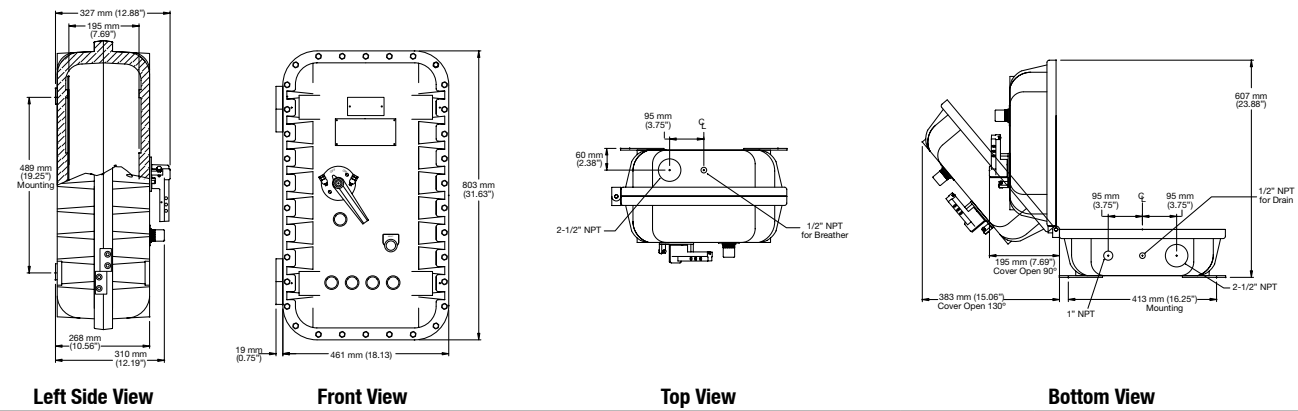
NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

Dimensions in Millimeters (Inches) – Combination

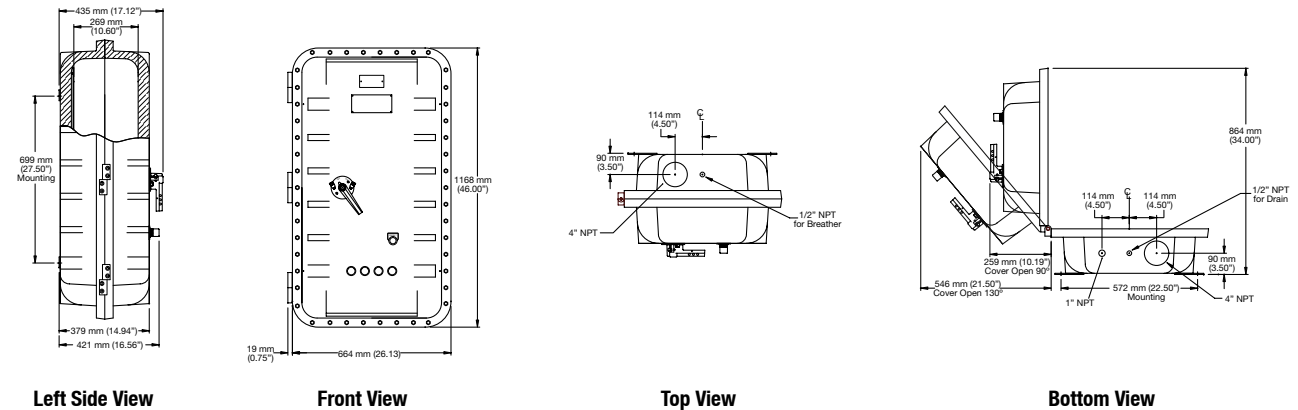
Enclosure Layout for Size 0, 1 and 2 – Combination



Enclosure Layout for Size 3 and 4 – Combination



Enclosure Layout for Size 5 – Combination



NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III

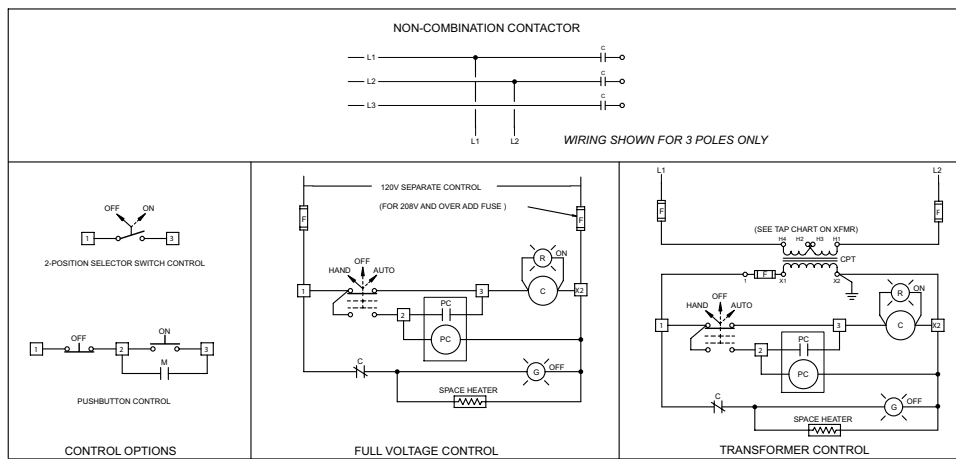
NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
 CSA Type 4, 4X

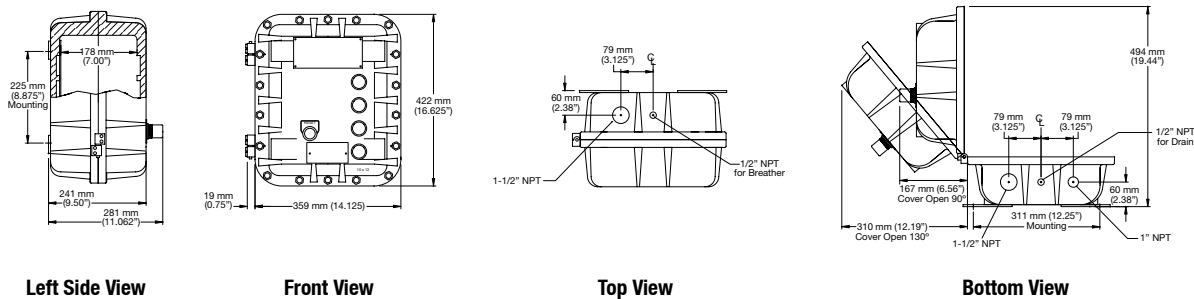
Lighting Contactor — 3-Pole — 60 Hertz, 120 V Coil

| Line Voltage | Enclosure Size | Contactors Amps | Number of Poles | Catalog Number [▲] | Approximate Weight kg (lb) | Conduit Size (Inches) | Mounting Hardware Set Catalog Number |
|--------------|----------------|-----------------|-----------------|-----------------------------|----------------------------|-----------------------|--------------------------------------|
| 120 | 1 | 30 | 3 | NE1BM1S13 | 57 (125) | 1-1/2 | NMH7 |
| | | | 6 | NE1BM1S16 | | | |
| | | | 9 | NE1BM1S19 | | | |
| | | | 12 | NE1BM1S112 | | | |

Wiring Diagram



Dimensions in Millimeters (Inches) — Lighting Contactor



▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

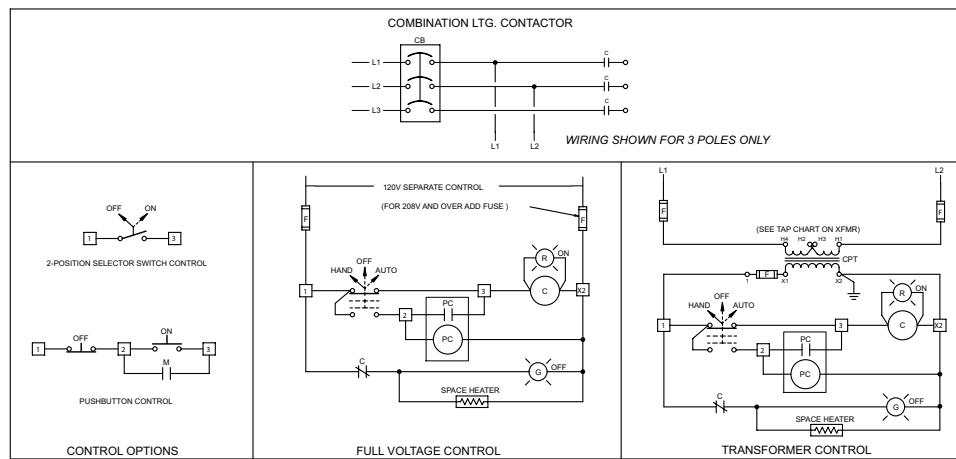
NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

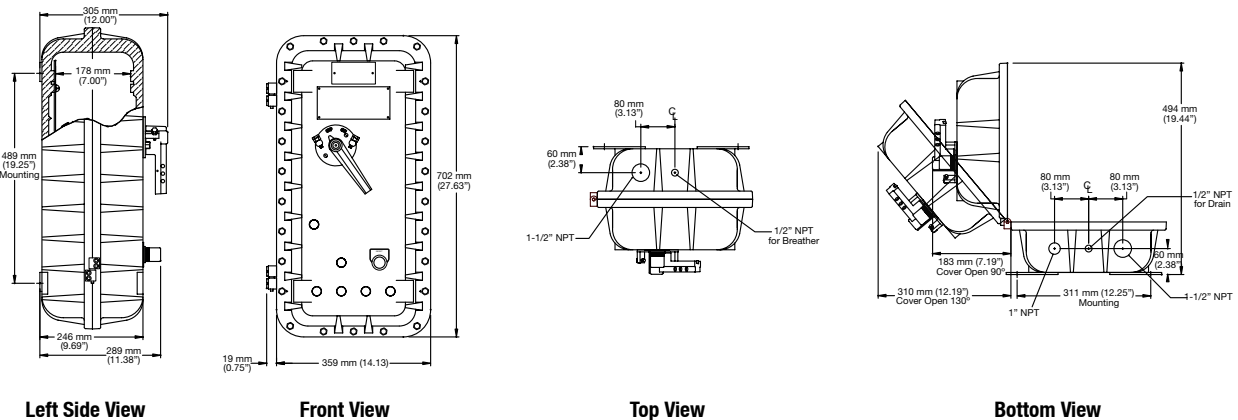
Combination Lighting Contactor — 3-Pole — 60 Hertz, 120 V Coil

| Line Voltage | Enclosure Size | Contactor Amps | Contactor Amps | Number of Poles | Catalog Number [▲] | Approximate Weight kg (lb) | Conduit Size (Inches) | Mounting Hardware Set Catalog Number |
|--------------|----------------|----------------|----------------|-----------------|-----------------------------|----------------------------|-----------------------|--------------------------------------|
| 120 | 1 | 30 | 40 | 3 | NE1BN1S1F3 | 57 (125) | 1-1/2 | NMH7 |
| | | | | 6 | NE1BN1S1F6 | | | |
| | | | | 9 | NE1BN1S1F9 | | | |
| | | | | 12 | NE1BN1S1F12 | | | |

Wiring Diagram



Dimensions in Millimeters (Inches) — Combination Lighting Contactor



[▲] To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see NEB Series Motor Starters Modifications.

NEB Series Bolted Motor Starters and Contactors

Explosionproof, Dust-Ignitionproof, Watertight

Full Voltage. Combination and Non-Combination.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

NEMA 4, 4X, 7BCD, 9EFG
CSA Type 4, 4X

Modifications

| Description | Suffix | |
|---|-------------------|--------------------------------|
| | Factory Installed | Catalog Number Field Installed |
| Operators ① | | |
| Start/Stop dual push button | S3X | NEPDGRE |
| Stop push button | S2X | NEPRC |
| Start push button | S1X | NEPGA |
| Stop, lighted PB, red 120 Vac | LP5X | NEPTRE |
| Start, lighted PB, green 120 Vac | LP4X | NEPTGE |
| 3 position selector switch specify legend | A3X | NESS31MN |
| 2 position selector switch specify legend | A2X | NESS22ML |
| Red pilot light, 120 Vac | L5 | NEPL1R |
| Green pilot light, 120 Vac | L4 | NEPL1G |
| Red pilot light, 240 Vac | L52 | NEPL2R |
| Green pilot light, 240 Vac | L42 | NEPL2G |
| Red pilot light, 480 Vac | L54 | NEPL4R |
| Green pilot light, 480 Vac | L44 | NEPL4G |
| NEMA 4X Breather/Drain Fittings | | |
| Drain fitting | DN | DRNB4X |
| Breather fitting (Drilled and tapped installation included.) | BR | BRTB4X |
| Control Power Options ②③ | | |
| Fused CPT, 50 Va | T1 | NFCPT050 |
| Fused CPT, 100 Va | T2 | NFCPT100 |
| Fused CPT, 200 Va | T3 | NFCPT200 |
| Fused CPT, 250 Va | T4 | NFCPT250 |
| Fused CPT, 50 Va w/interposing relay | T5 | NFCPT050R |
| Fused CPT, 150 Va | T6 | NFCPT150 |
| Fused CPT, 300 Va | T7 | NFCPT300 |
| Fused CPT, 500 Va | T8 | NFCPT500 |
| Fused CPT, 750 Va | T9 | NFCPT750 |
| Separate control fused circuit | S-120V | n/a |
| Specify starter coil voltage | S-240V | n/a |
| | S-480V | n/a |

| Description | Suffix | | Catalog Number | |
|---|-------------------|-----------------|----------------------------|-----------------|
| | Factory Installed | Field Installed | Field Installed | Field Installed |
| Nameplates | | | | |
| Engraved nameplate — black letters on white surface, 50.8 x 101.6 mm (2" x 4"), 3.18 mm (0.125") letters, 3 lines max. specify legend | NP | | | n/a |
| Space Heater | | | | |
| | 120 Vac | O-120V | NFA4327X11 | |
| 40 Watt enclosure space heaters | 240 Vac | O-240V | NFA4327X12 | |
| | 480 Vac | O-480V | NFA4327X13 | |
| Control Terminal Blocks (Above 12 points contact your local representative) | | | | |
| 20 Amp, 600 Vac | 8 point | 8K | | n/a |
| NEMA 1B w/wire markers | 12 point | 12K | | n/a |
| Cutler-Hammer + Starter Auxiliary Contacts | | | | |
| Size 0-4 ④ | 1NO/1NC | X11C | NJ-11 | |
| | 2NO/2NC | X22C | NJ-11 (2 ea.) | |
| Size 5 ⑤ | 1NO/1NC | X511C | N3463D94G18 | |
| | 2NO/2NC | X522C | N3463D94G18 (2 ea.) | |
| Square D ■ Starter Auxiliary Contacts | | | | |
| Size 0-5 ⑥ | 1NO/1NC | X11S | A999SX8 | |
| | 2NO/2NC | X22S | A999SX8 (2 ea.) | |
| Number of Poles on Lighting Contactors | | | | |
| 30 Amp, 120 Vac | 3 Poles | | | 3 |
| 30 Amp, 120 Vac | 6 Poles | | | 6 |
| 30 Amp, 120 Vac | 9 Poles | | | 9 |
| 30 Amp, 120 Vac | 12 Poles | | | 12 |

NOTE: **CPT** includes primary and secondary fuses.

① Add —L to part no. for Size 5 starters.

② Size 1 and 2 150 Vac Max. Size 3 and 4 300 Vac Max.

③ Contact your local representative for other voltages.

④ 8 Aux. Contacts Max. includes one seal-in and seven added.

⑤ 4 Aux. Contacts Max. includes one seal-in and three added.

⑥ Size 0-1 includes one seal-in and four added. Size 2-5 includes one seal-in and three added.

+ Cutler-Hammer is a registered trademark of Eaton Corporation.

■ Square D is a registered trademark of Schneider Electric.

Visit our website at www.ozgedney.com or contact us at (800) 621-1506.

© January 2016

NE Series Bolted Circuit Breakers and Enclosures

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

Application

- Explosionproof circuit breaker enclosures are used where hazardous materials are handled or stored.
- These units are used for overload and short circuit protection, control of lighting and power circuits.

Features

- Precision machined flame path between box and cover.
- Bolt on stainless steel slotted mounting feet.
- Stainless steel, captive Quad-Lead® cover bolts are standard (disengaged in 1-1/2 turns).
- Ground lug package and installation instructions for termination of ground wire enclosed.
- External operating handle with stops for limiting handle travel.
- Breaker operators can be locked in the ON or OFF position (up to 3 padlocks).
- External flange maximizes internal space.
- Standard outlets top and bottom for line and load wiring.
- Plugged 1/2" outlets top and bottom for breather and drain.
- Breakers mounted on a galvanized steel removable pan.
- Enclosures are designed to accept GE ▶, Square D ■ and Cutler-Hammer † circuit breakers.
- O-ring gasket insures watertight integrity.
- 2- and 3-pole versions are standard. For 4-pole versions, contact your local representative.
- For 65,000 AIC ratings contact your local representative.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum
- Cover bolts, hinges, breaker and operator shafts: stainless steel
- Hinges: stainless steel
- O-ring: neoprene

Standard Finishes

- Bodies and covers: gray epoxy powder coat inside and outside standard

Options

Must be listed in alphanumeric sequence at the end of the catalog number.

- Auxiliary switch (1A or 1B), add suffix —**AS1**.
- Auxiliary switch (2A or 2B), add suffix —**AS2**.
- Breather, NEMA 4X (includes outlet and installation), add suffix —**BR**.
- Drain, NEMA 4X (includes outlet and installation), add suffix —**DN**.
- External grounding stud, add suffix —**EGS**.
- Plastic nameplate, 2" x 4", 1/8" black letters on white surface, 3 lines max, specify legend, add suffix —**NP**.
- Shunt trip (specify voltage), add suffix —**ST**.
- Under voltage release (specify voltage), add suffix —**UV**.
- For +50 °C (+122 °F) breaker rating, add suffix —**V**.
- For 65,000 AIC rating, contact your local sales representative.

NEC Certifications and Compliances

- UL Standard: UL 1203
- UL Listed: E84577
- CSA Standard: C22.2 No. 25, C22.2 No. 30, C22.2 No. 5.1
- CSA Certified: 052308

▶ GE is a registered trademark of General Electric Company.

■ Square D is a registered trademark of Schneider Electric.

† Cutler-Hammer is a registered trademark of Eaton Corporation.



NE Series Bolted Circuit Breakers and Enclosures

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.

NEC:

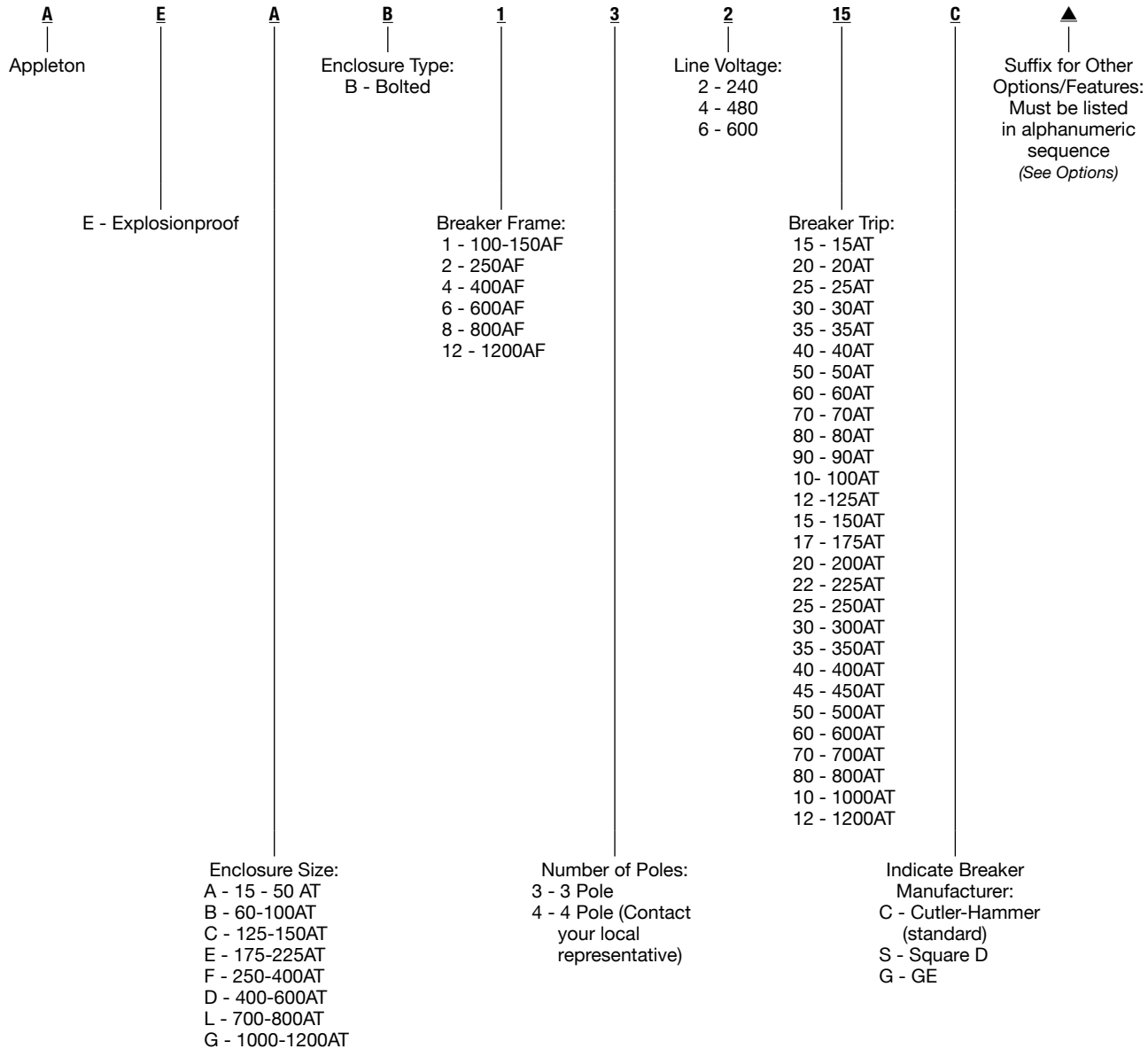
Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

Catalog Numbering Guide



▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found in the modifications table in this section.

NE Series Bolted Circuit Breakers and Enclosures

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

Circuit Breaker Interrupting Ratings (Symmetrical RMS Amps)

| Breaker Type | 240 Vac | 480 Vac | 600 Vac |
|-----------------------------------|---------|---------|---------|
| Cutler-Hammer ⁺ | | | |
| EHD | 18,000 | 14,000 | — |
| FD | 65,000 | 35,000 | 18,000 |
| HFD | 100,000 | 65,000 | 25,000 |
| JD | 65,000 | 35,000 | 18,000 |
| HJD | 100,000 | 65,000 | 25,000 |
| KD | 65,000 | 35,000 | 25,000 |
| HKD | 100,000 | 65,000 | 35,000 |
| LD | 65,000 | 35,000 | 22,000 |
| HLD | 100,000 | 65,000 | 35,000 |
| MDL | 65,000 | 50,000 | 25,000 |
| HMDL | 100,000 | 65,000 | 35,000 |
| ND | 65,000 | 50,000 | 25,000 |
| HND | 100,000 | 65,000 | 35,000 |
| GE [▶] | | | |
| TED | 18,000 | 18,000 | 14,000 |
| THED | 65,000 | 25,000 | 18,000 |
| TFK | 25,000 | 22,000 | 18,000 |
| THFK | 65,000 | 25,000 | 18,000 |
| TJK4 | 42,000 | 30,000 | 22,000 |
| THJK4 | 65,000 | 35,000 | 25,000 |
| TJK6 | 42,000 | 30,000 | 22,000 |
| THJK6 | 65,000 | 35,000 | 25,000 |
| TKM8 | 42,000 | 30,000 | 22,000 |
| THKM8 | 65,000 | 35,000 | 25,000 |
| TKM12 | 42,000 | 30,000 | 22,000 |
| THKM12 | 65,000 | 35,000 | 25,000 |

▶ GE is a registered trademark of General Electric Company.

+ Cutler-Hammer is a registered trademark of Eaton Corporation.

NE Series Bolted Circuit Breakers and Enclosures

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

| Breaker Frame Size | Breaker Type/ Interrupting Capacity ① | Volts | Amp Rating | Catalog Numbers ② ▲ | | Standard Conduit Outlets (Inches) |
|--------------------|--|----------------------|------------|---------------------|------------|-----------------------------------|
| | | | | 2-Pole | 3-Pole | |
| 100 | EHD 18,000 AIC @ 240 Vac | 480 Vac, 125/250 Vdc | 15 | NEAB12215C | NEAB13215C | 1-1/2 |
| | | | 20 | NEAB12220C | NEAB13220C | |
| | | | 25 | NEAB12225C | NEAB13225C | |
| | | | 30 | NEAB12230C | NEAB13230C | |
| | | | 35 | NEAB12235C | NEAB13235C | |
| | | | 40 | NEAB12240C | NEAB13240C | 2 |
| | | | 50 | NEAB12250C | NEAB13250C | |
| | | | 60 | NEBB12260C | NEBB13260C | |
| | | | 70 | NEBB12270C | NEBB13270C | |
| | | | 80 | NEBB12280C | NEBB13280C | |
| 150 | FD 65,000 AIC @ 240 Vac | 600 Vac, 125/250 Vdc | 125 | NECB12212C | NECB13212C | 2-1/2 |
| | | | 150 | NECB12215C | NECB13215C | |
| 100 | EHD 14,000 AIC @ 480 Vac | 480 Vac, 125/250 Vdc | 15 | NEAB12415C | NEAB13415C | 1-1/2 |
| | | | 20 | NEAB12420C | NEAB13420C | |
| | | | 25 | NEAB12425C | NEAB13425C | |
| | | | 30 | NEAB12430C | NEAB13430C | |
| | | | 35 | NEAB12435C | NEAB13435C | |
| | | | 40 | NEAB12440C | NEAB13440C | 2 |
| | | | 50 | NEAB12450C | NEAB13450C | |
| | | | 60 | NEBB12460C | NEBB13460C | |
| | | | 70 | NEBB12470C | NEBB13470C | |
| | | | 80 | NEBB12480C | NEBB13480C | |
| 150 | FD 35,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 125 | NECB12412C | NECB13412C | 2-1/2 |
| | | | 150 | NECB12415C | NECB13415C | |
| 150 | FD 18,000 AIC @ 600 Vac | 600 Vac, 125/250 Vdc | 15 | NEAB12615C | NEAB13615C | 1-1/2 |
| | | | 20 | NEAB12620C | NEAB13620C | |
| | | | 25 | NEAB12625C | NEAB13625C | |
| | | | 30 | NEAB12630C | NEAB13630C | |
| | | | 35 | NEAB12635C | NEAB13635C | |
| | | | 40 | NEAB12640C | NEAB13640C | 2 |
| | | | 50 | NEAB12650C | NEAB13650C | |
| | | | 60 | NEBB12660C | NEBB13660C | |
| | | | 70 | NEBB12670C | NEBB13670C | |
| | | | 80 | NEBB12680C | NEBB13680C | |
| 150 | | | 90 | NEBB12690C | NEBB13690C | 2 |
| | | | 100 | NEBB12610C | NEBB13610C | |
| | | | 125 | NECB12612C | NECB13612C | |
| 150 | | | 150 | NECB12615C | NECB13615C | 2-1/2 |

① For higher interrupting capacities, contact your local representative.

② Cutler-Hammer breaker provided as standard. For GE breaker change **C** to **G**; For Square D breaker change **C** to **S**.

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

NE Series Bolted Circuit Breakers and Enclosures

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

| Breaker Frame Size | Breaker Type/ Interrupting Capacity ① | Volts | Amp Rating | Catalog Numbers ② ▲ | | Standard Conduit Outlets (Inches) |
|--------------------|--|-------------------------|------------|---------------------|-------------|-----------------------------------|
| | | | | 2-Pole | 3-Pole | |
| 250 | JD 18,000 AIC @ 600 Vac JD 35,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 70 | NEEB22670C | NEEB23670C | 3 |
| | | | 90 | NEEB22690C | NEEB23690C | |
| | | | 100 | NEEB22610C | NEEB23610C | |
| | | | 125 | NEEB22612C | NEEB23612C | |
| | | | 175 | NEEB22617C | NEEB23617C | |
| | | | 200 | NEEB22620C | NEEB23620C | |
| | | | 225 | NEEB22622C | NEEB23622C | |
| | | | 250 | NEFB22625C | NEFB23625C | |
| 400 | KD 25,000 AIC @ 600 Vac KD 35,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 125 | NEFB42612C | NEFB43612C | 4 |
| | | | 175 | NEFB42617C | NEFB43617C | |
| | | | 200 | NEFB42620C | NEFB43620C | |
| | | | 225 | NEFB42622C | NEFB43622C | |
| | | | 250 | NEFB42625C | NEFB43625C | |
| | | | 300 | NEFB42630C | NEFB43630C | |
| | | | 350 | NEFB42635C | NEFB43635C | |
| | | | 400 | NEFB42640C | NEFB43640C | |
| 600 | LD 25,000 AIC @ 600 Vac LD 35,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 450 | NEDB62645C | NEDB63645C | 4 |
| | | | 500 | NEDB62650C | NEDB63650C | |
| | | | 600 | NEDB62660C | NEDB63660C | |
| 800 | MDL 25,000 AIC @ 600 Vac MDL 50,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 300 | NELB82630C | NELB83630C | (2) 4 |
| | | | 350 | NELB82635C | NELB83635C | |
| | | | 400 | NELB82640C | NELB83640C | |
| | | | 450 | NELB82645C | NELB83645C | |
| | | | 500 | NELB82650C | NELB83650C | |
| | | | 600 | NELB82660C | NELB83660C | |
| | | | 700 | NELB82670C | NELB83670C | |
| | | | 800 | NELB82680C | NELB83680C | |
| 1200 | MDL 25,000 AIC @ 600 Vac MDL 50,000 AIC @ 480 Vac | 600 Vac, 125/250 Vdc | 600 | NEGB122660C | NEGB123660C | (2) 4 |
| | | | 800 | NEGB122680C | NEGB123680C | |
| | | | 1000 | NEGB122610C | NEGB123610C | |
| | | | 1200 | NEGB122612C | NEGB123612C | |

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

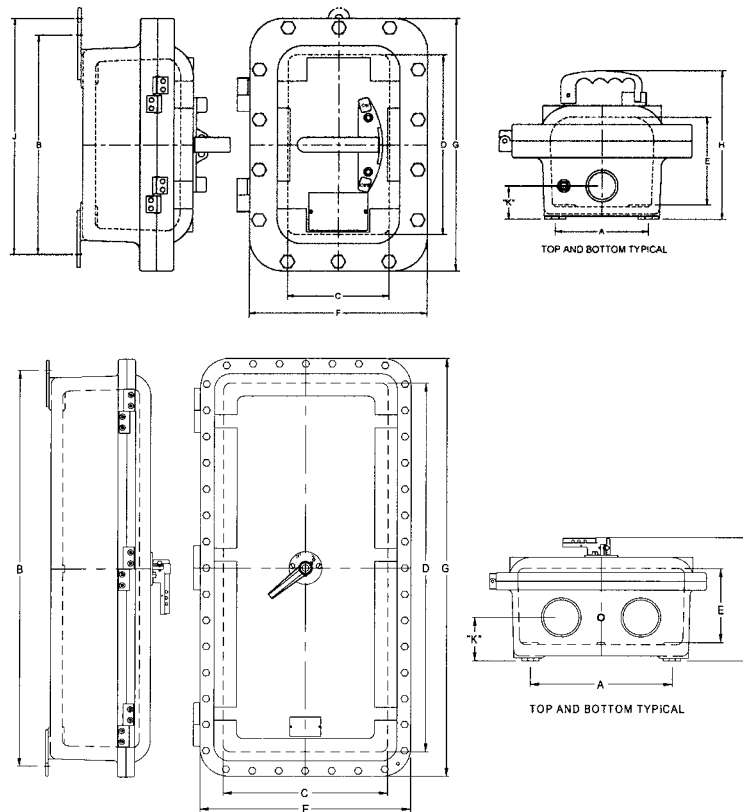
① For higher interrupting capacities, contact your local representative.

② Cutler-Hammer breaker provided as standard. For GE breaker change **C** to **G**; For Square D breaker change **C** to **S**.

NE Bolted Circuit Breaker Enclosure Dimensions

Explosionproof, Dust-Ignitionproof, Watertight

2- and 3-Pole, Non-Interchangeable Trip. Bolted Enclosure Type.



Enclosure Only

| Enclosure Size | Catalog Number | Dia. Number | Dimensions in Millimeters (Inches) | | | | | | | | | | Number of Outlets | Dimension mm (in) K | Approximate Weight kgs (lbs) |
|----------------|----------------|-------------|------------------------------------|-------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|------------------|---|-------------------|---------------------|------------------------------|
| | | | Mounting | | | Inside | | | Outside | | | | | | |
| | | | A | B | J | C | D | E | F | G | H | | | | |
| A | AEAB | 1 | 139.7 (5.50) | 333.5 (13.13) | 358.9 (14.13) | 155.7 (6.13) | 273.0 (10.75) | 133.3 (5.25) | 270.0 (10.63) | 387.3 (15.25) | 224.5 (8.84) | 2 | 50.8 (2.00) | 17.24 (38) | |
| B | AEBB | 1 | 152.4 (6.00) | 457.2 (18.00) | 782.6 (19.00) | 165.1 (6.50) | 406.4 (16.00) | 139.7 (5.50) | 279.4 (11.00) | 520.7 (20.50) | 227.8 (8.97) | 2 | 58.6 (2.31) | 25.85 (57) | |
| C | AECB | 1 | 260.3 (10.25) | 574.8 (22.63) | Not Available | 289.0 (11.38) | 508.0 (20.00) | 162.0 (6.38) | 406.4 (16.00) | 638.3 (25.13) | 243.5 (9.59) | 2 | 88.9 (3.50) | 47.17 (104) | |
| E | AEEB | 1 | 215.9 (8.50) | 689.1 (27.13) | Not Available | 285.7 (11.25) | 758.9 (29.88) | 183.8 (7.63) | 406.4 (16.00) | 749.3 (29.50) | 311.9 (12.28) | 2 | 101.6 (4.00) | 65.77 (145) | |
| F | AEFB-250 | 1 | 241.3 (9.50) | 692.1 (27.25) | Not Available | 285.7 (11.25) | 758.9 (29.88) | 204.7 (8.06) | 416.0 (16.38) | 889.0 (35.00) | 313.4 (12.34) | 2 | 106.4 (4.19) | 77.11 (170) | |
| F | AEFB-400 | 2 | 241.3 (9.50) | 692.1 (27.25) | Not Available | 285.7 (11.25) | 758.9 (29.88) | 204.7 (8.06) | 416.0 (16.38) | 889.0 (35.00) | 320.8 (12.63) | 2 | 106.4 (4.19) | 77.11 (170) | |
| D | AEDB | 2 | 409.7 (16.13) | 1035.0 (40.75) | Not Available | 457.2 (18.00) | 1079.5 (42.50) | 193.8 (7.63) | 346.2 (13.63) | 962.1 (37.88) | 325.3 (12.81) | 2 | 109.4 (4.31) | 103.42 (228) | |
| L | AELB | 3 | 406.4 (16.00) | 1152.6 (45.38) | Not Available | 473.2 (18.63) | 1073.1 (42.25) | 215.9 (8.50) | 606.5 (23.88) | 1216.1 (47.88) | 361.9 (14.25) | 4 | 127.0 (5.00) | 190.06 (419) | |
| G | AEGB | 4 | 543.1 (21.38) | 1270.0 (50.00) | Not Available | 508.0 (20.00) | 1524.0 (60.00) | 254.0 (10.00) | 635.0 (25.00) | 1651 (65.00) | 534.0 (21.38) | 6 | 111.2 (4.38) | 257.19 (567) | |

NE Series Disconnect Switches

Explosionproof, Dust-Ignitionproof

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7, 9

Application

- Explosionproof disconnect enclosures are used where hazardous materials are handled or stored. These units are used for overload and short circuit protection, control of lighting and power circuits.

Features

- Precision machined flame path between box and cover.
- Bolt on stainless steel slotted mounting feet.
- Stainless steel hinges are standard.
- Stainless steel, captive Quad-Lead® cover bolts are standard (disengaged in 1-1/2 turns).
- Ground lug package and installation instructions for termination of ground wire enclosed.
- External operating handle with stops for limiting handle travel.
- Disconnects and operator shafts are stainless steel.
- Disconnects operators can be locked in the ON or OFF position (up to 3 padlocks).
- External flange maximizes internal space.
- Standard outlets top and bottom for line and load wiring.
- Plugged 1/2" outlets top and bottom for breather and drain.
- Disconnects mounted on a galvanized steel removable pan.
- O-ring gasket ensures watertight integrity.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum
- Cover bolts and hinges: stainless steel
- O-ring: neoprene

Standard Finishes

- Bodies and covers: gray epoxy powder coat inside and outside standard to provide NEMA 4X rating

Options

Must be listed in alphanumeric sequence at the end of the catalog number.

- Auxiliary switch (1A or 1B), add suffix —**AS1**.
- Auxiliary switch (2A or 2B), add suffix —**AS2**.
- Breather, NEMA 4X (includes outlet and installation), add suffix —**BR**.
- Drain, NEMA 4X (includes outlet and installation), add suffix —**DN**.
- External grounding stud, add suffix —**EGS**.
- Plastic nameplate, 50.8 mm x 101.6 mm (2" x 4"), 3.2 mm (0.125") black letters on white surface, 3 lines max, specify legend, add suffix —**NP**.
- Shunt trip (specify voltage), add suffix —**ST**.
- Under voltage release (specify voltage), add suffix —**UV**.

NEC Certifications and Compliances

- UL Standard: UL 1203
- UL Listed: E84577




NE Series Disconnect Switches

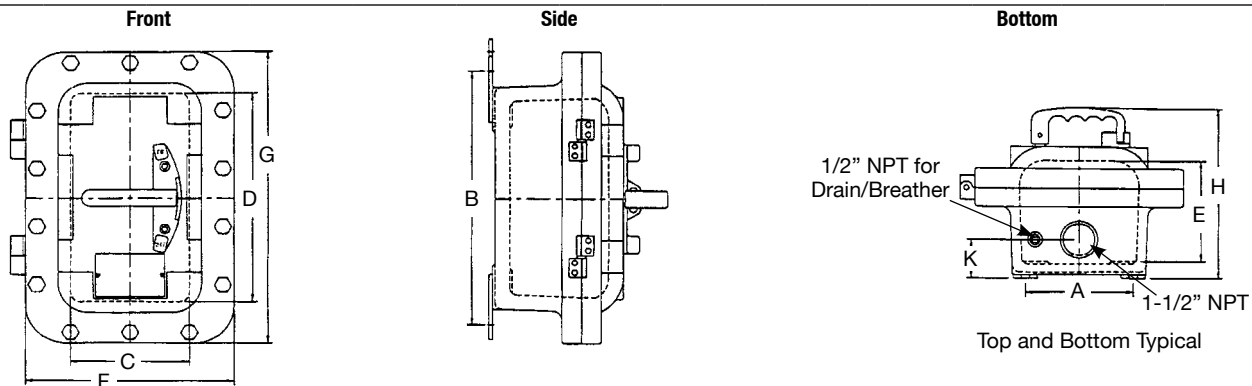
Explosionproof, Dust-Ignitionproof

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4, 4X, 7, 9

Disconnect Switches

| Type | Number of Poles | Volts | Amp Rating | Standard Conduit Outlet (Inches) | Catalog Number |
|---|-----------------|-------------------------|------------|----------------------------------|---------------------|
| <i>Supplied with Cutler-Hammer + disconnect switch. Type J fuses recommended.</i> | | | | | |
|  Fused <i>(fuses not included)</i> | 3 | 600 Vac, 125/250 Vdc | 30 | 1.50 | NEAB3036FDS |
| | | | 60 | 2.00 | NEBB6036FDS |
| | | | 100 | 2.50 | NECB10036FDS |
| Non-Fused | 3 | 600 Vac, 125/250 Vdc | 30 | 1.50 | NEAB3036DS |
| | | | 60 | 1.50 | NEAB6036DS |
| | | | 100 | 2.00 | NEBB10036DS |

Dimensions in Millimeters (Inches)



| Enclosure Size | Catalog Number | Dimensions in Millimeters (Inches) | | | | | | | | Number of Outlets | K Dimension | Approximate Weight kgs (lbs) |
|----------------|----------------|------------------------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-----------------|-------------------|----------------|------------------------------|
| | | Mounting | | Inside | | | Outside | | | | | |
| | | A | B | C | D | E | F | G | H | | | |
| A | AEAB | 139.7 (5.50) | 333.5 (13.13) | 155.7 (6.13) | 273.1 (10.75) | 133.4 (5.25) | 270 (10.63) | 387.4 (15.25) | 224.5 (8.84) | 2 | 50.8 (2.00) | 17.24 (38) |
| B | AEBB | 152.4 (6.00) | 457.2 (18.00) | 165.1 (6.50) | 406.4 (16.00) | 139.7 (5.50) | 279.4 (11.00) | 520.7 (20.50) | 227.8 (8.97) | 2 | 58.7 (2.31) | 25.85 (57) |
| C | AECB | 260.4 (10.25) | 574.8 (22.63) | 289.1 (11.38) | 508 (20.00) | 162.1 (6.38) | 416.1 (16.38) | 638.3 (25.13) | 243.6 (9.59) | 2 | 88.9 (3.50) | 47.17 (104) |

Electrical Ratings Maximum Motor HP

| Maximum Amps | Maximum Horsepower Rating | | | | |
|--------------|---------------------------|---------|---------|---------|---------|
| | 120 Vac | 240 Vac | 480 Vac | 600 Vac | 250 Vdc |
| 30 | 5 | 10 | 20 | 25 | 7-1/2 |
| 60 | 10 | 20 | 40 | 60 | 15 |
| 100 | 15 | 30 | 75 | 75 | 25 |

+ Cutler-Hammer is a registered trademark of Eaton Corporation.

NLPN, NGPN and NPPN Series Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Applications

- Distribution panelboards are used to furnish protection and control of electrical equipment in hazardous locations. These compact units provide a centrally controlled switching system for large quantities of branch circuits for:
 - Lighting
 - Heating
 - Small motors
 - Similar electrical equipment

Features

- Breaker operators included as standard.
- O-ring gasket insures watertight integrity.
- Permits selection of 1-, 2- or 3-pole breakers.
- Precision machined flame path between body and cover.
- Slotted mounting feet.
- Breaker operators can be padlocked in the ON or OFF position.
- All panelboards are supplied with Cutler-Hammer + standard Quicklag® breakers.
- Chassis assemblies with mains at top (bottom optional).
- For standard outlets, see outline dimensions. For custom outlets, contact your local representative.
- Provisions for 12, 18, 24, 30, 36 and 42 circuit 1-pole chassis.
- 100 Amp or 225 Amp main lug.
- Up to 100 Amp backfed main breaker available with main lug chassis.
- Up to 225 Amp main breaker available with main breaker chassis.
- Factory installed ground and neutral bar as standard.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum
- Cover bolts: Quad-Lead®, captive, stainless steel
- Breaker operators: copperfree (4/10 of 1% max.) aluminum
- Hinges: stainless steel
- Bus bars: copper
- O-ring: neoprene

Standard Finishes

- Corrosion resistant gray epoxy powder coat to provide NEMA 4X rating

Options

Must be listed in alphanumeric sequence at the end of the catalog number.

- Panel Options
 - Breather, NEMA 4X, 7 and 9, add suffix —**BR**.
 - Drain, NEMA 4X, 7 and 9, add suffix —**DN**.
 - Phenolic nameplate (specify legend), add suffix —**NP**.
 - For +50 °C (+122 °F) breaker rating, add suffix —**V**.
- Main Breaker Options NLPN and NPPN Only
 - Auxiliary switch (1A or 1B), add suffix —**AS1**.
 - Auxiliary switch (2A or 2B), add suffix —**AS2**.
 - Main breaker located at bottom, add suffix —**LB**.
 - Shunt trip (specify voltage), add suffix —**ST**.
 - Under voltage release (specify voltage), add suffix —**UV**.
- Branch Breaker Option NLPN and NGPN Only
 - Equipment Protection Devices (1- or 2-Pole -30 mA sensitivity) ① add suffix —**EPD**.
 - Ground Fault Interrupter (1- or 2-Pole -5 mA sensitivity), ① add suffix —**GFI**.
 - GFI Indicating Light, add suffix —**L5**.

① GFI Push-to-Test Buttons are standard with GFI or EPD options.

+ Cutler-Hammer is a trademark of the Eaton Corporation.



APLN

NPPN



NGPN shown with MB and INV options

- Branch Breaker Options NPPN F-Frame Only
 - Auxiliary switch (1A or 1B), add suffix —**AS1**.
 - Auxiliary switch (2A or 2B), add suffix —**AS2**.
 - Shunt trip (specify voltage), add suffix —**ST**.
 - Under voltage release (specify voltage), add suffix —**UV**.

NEC Certifications and Compliances

- UL Standard: UL 1203
- UL Listed: E84577

NLPN Series Lighting Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Class I, Zone 1, Group IIB +H₂
 NEMA 4, 4X, 7BCD, 9EFG

Select branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18-circuit 120/240 V 1-phase 3-wire 100 Amp MLO panel with 12 1-pole 20 Amp and 3 2-pole 30 Amp branch breakers should read NLPNB11A18ML100-10501GFI.

Catalog Numbering Guide

| | | | | | | | | | | | | | |
|--|--|---|--|--|--|---|---|--|--|---|---|--|--|
| <p>NLPN Duty: Appleton Non-Factory Sealed Lighting Panel</p> | <p>B Panel Size: A - 12 Circuit, 100 Amp Main Lug Only B - 18 Circuit, 100 Amp Main Lug Only C - 30 Circuit, 100 or 225 Amp Main Lug Only or 18 Circuit with Main Breaker D - 42 Circuit, 225 Amp Main Lug Only or 36 Circuit with Main Breaker F - 42 Circuit with Main Breaker</p> | <p>1 Current Rating: 1 - 100 Amp 2 - 225 Amp</p> | <p>1 Voltage: 1 - 120/240 Vac 2 - 120/208 Vac 5 - 240 Vac 7 - 24 Vdc</p> | <p>A Wire System: A - 1P, 3W B - 3P, 3W for 240 Vac C - 3P, 4W D - 2P, 2W for 24 Vdc</p> | <p>18 Number of Circuits: 12 18 24 30 36 42</p> | <p>MB Main Type: MB - Main Breaker ML - Main Lug Only</p> | <p>100 Ampere Rating: 020 - 20AT 025 - 25AT 030 - 30AT 040 - 40AT 050 - 50AT 060 - 60AT 070 - 70AT 080 - 80AT 090 - 90AT 100 - 100AT 110 - 110AT 125 - 125AT 150 - 150AT 175 - 175AT 200 - 200AT 225 - 225AT</p> | <p>10 Quantity of Branch Breakers ①: 1 thru 42</p> | <p>50 Ampere Rating ①: 10 - 10AT 15 - 15AT 20 - 20AT 25 - 25AT 30 - 30AT 35 - 35AT 40 - 40AT 45 - 45AT 50 - 50AT 55 - 55AT 60 - 60AT 70 - 70AT 80 - 80AT (not for 1-Pole) 90 - 90AT (not for 1-Pole) 100 - 100AT</p> | <p>1 No. of Poles ①: (include only if different from wiring system)</p> | <p>GFI Breaker Type ①: Normal Duty (Leave Blank) EPD GFI HID</p> | <p>— Additional Branch Breakers: Repeat Step ①</p> | <p>▲ Suffix for Other Options/ Features: Must be listed in alphanumeric sequence (See Options)</p> |
|--|--|---|--|--|--|---|---|--|--|---|---|--|--|

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

NLPN Series Lighting Distribution Panelboards

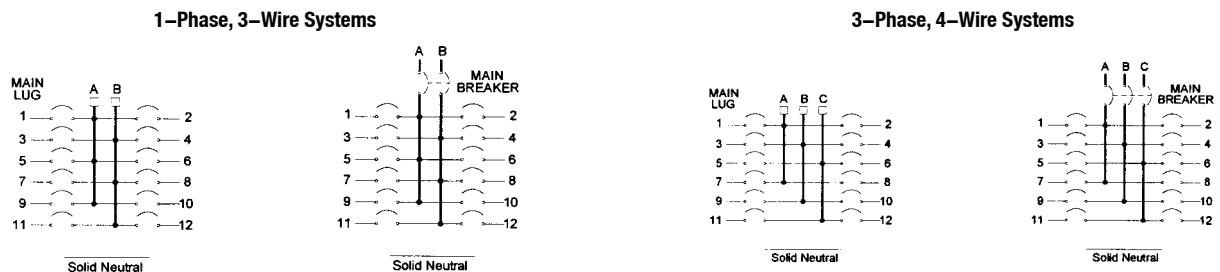
Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Class I, Zone 1, Group IIB +H₂
 NEMA 4, 4X, 7BCD, 9EFG

| | Number of Circuits | 120/240V 1-Phase 3-Wire BAB Type | 120/208V 3-Phase 4-Wire BAB Type | 240V 3-Phase 3-Wire Delta BAB Type | Panel Size | Approximate Weight kgs (lbs) |
|---------------------------|--------------------|--|--|--|------------|------------------------------|
| 100 Amp Main Lug Only | 12 | NLPNA11A12ML ▲ | NLPNA12C12ML ▲ | NLPNA15B12ML ▲ | A | 61.23 (135) |
| | 18 | NLPNB11A18ML ▲ | NLPNB12C18ML ▲ | NLPNB15B18ML ▲ | B | 74.84 (165) |
| | 24 | NLPNC11A24ML ▲ | NLPNC12C24ML ▲ | NLPNC15B24ML ▲ | C | 95.25 (210) |
| | 30 | NLPNC11A30ML ▲ | NLPNC12C30ML ▲ | NLPNC15B30ML ▲ | C | 97.52 (215) |
| 225 Amp Main Lug Only | 18 | NLPNC21A18ML ▲ | NLPNC22C18ML ▲ | NLPNC25B18ML ▲ | C | 81.65 (180) |
| | 24 | NLPNC21A24ML ▲ | NLPNC22C24ML ▲ | NLPNC25B24ML ▲ | C | 104.33 (230) |
| | 30 | NLPNC21A30ML ▲ | NLPNC22C30ML ▲ | NLPNC25B30ML ▲ | C | 106.59 (235) |
| | 36 | NLPND21A36ML ▲ | NLPND22C36ML ▲ | NLPND25B36ML ▲ | D | 131.54 (290) |
| | 42 | NLPND21A42ML ▲ | NLPND22C42ML ▲ | NLPND25B42ML ▲ | D | 133.81 (295) |
| Main Breaker 100 Amp F | 12 | NLPNC11A12MB100 ▲ | NLPNC12C12MB100 ▲ | NLPNC15B12MB100 ▲ | C | 74.84 (165) |
| | 18 | NLPNC11A18MB100 ▲ | NLPNC12C18MB100 ▲ | NLPNC15B18MB100 ▲ | C | 81.65 (180) |
| | 24 | NLPND11A24MB100 ▲ | NLPND12C24MB100 ▲ | NLPND15B24MB100 ▲ | D | 95.25 (210) |
| | 30 | NLPND11A30MB100 ▲ | NLPND12C30MB100 ▲ | NLPND15B30MB100 ▲ | D | 142.88 (315) |
| Main Breaker 225 Amp F | 18 | NLPNC21A18MB225 ▲ | NLPNC22C18MB225 ▲ | NLPNC25B18MB2225 ▲ | C | 83.91 (185) |
| | 24 | NLPND21A24MB225 ▲ | NLPND22C24MB225 ▲ | NLPND25B24MB2225 ▲ | D | 133.81 (295) |
| | 30 | NLPND21A30MB225 ▲ | NLPND22C30MB225 ▲ | NLPND25B30MB225 ▲ | D | 136.08 (300) |
| | 36 | NLPND21A36MB225 ▲ | NLPND22C36MB225 ▲ | NLPND25B36MB225 ▲ | D | 138.35 (305) |
| | 42 | NLPNF21A42MB225 ▲ | NLPNF22C42MB225 ▲ | NLPNF25B42MB2225 ▲ | F | 156.49 (345) |

Note: For Back Fed main, replace **ML**, **MB100**, or **MB225** in part number with **BF**. For 400 Amp Main Lug, contact your local representative. Standard interrupting capacity is 10,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram



▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

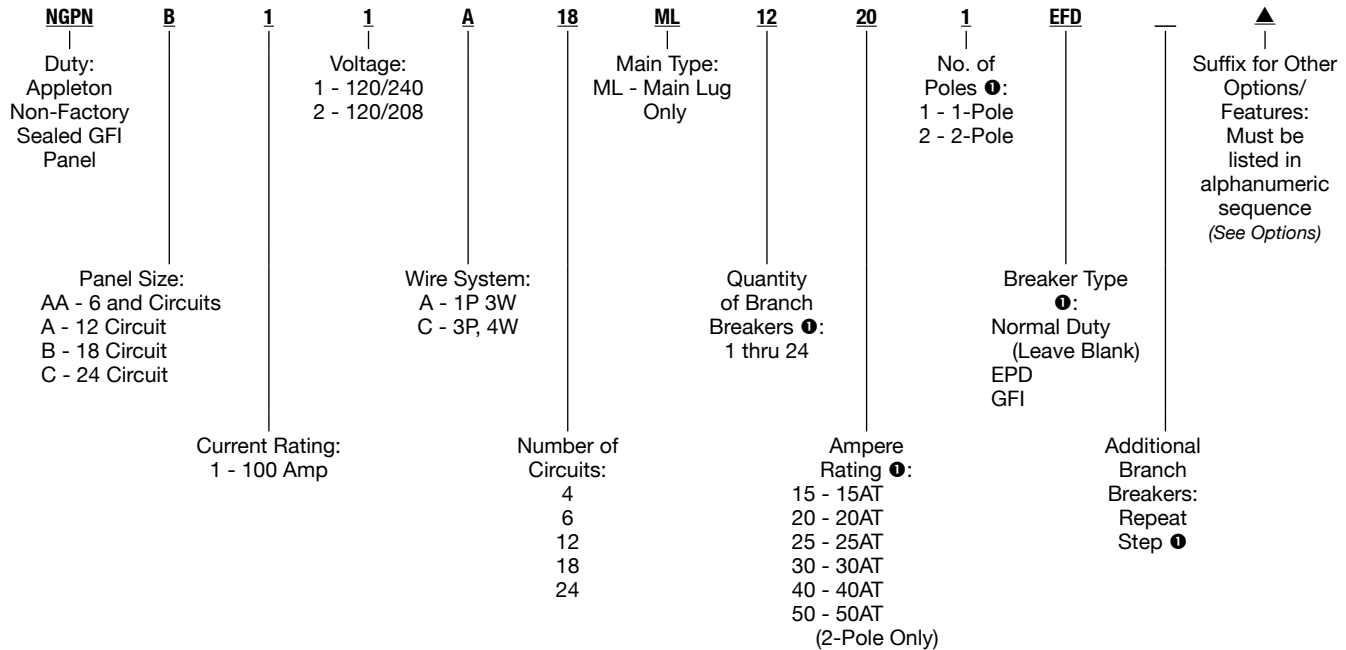
NGPN Series Ground Fault Interrupting Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Class I, Zone 1, Group IIB +H₂
 NEMA 4, 4X, 7BCD, 9EFG

Select branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18 circuit 120/240 V 1-phase 3-wire 100 Amp MLO panel with 12 1-pole 20 Amp 30 ma GFI and 3 2-pole 30 Amp 5 ma GFI branch breakers should read NGPNB11A18ML-12201EPD-03302GFI.

Catalog Numbering Guide

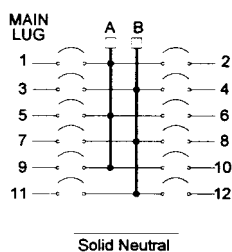


| | Number of Circuits | 120/240 V 1-Phase 3-Wire | 120/280 V 3-Phase 4-Wire | Panel Size | Approximate Weight kgs (lbs) |
|--------------------------|--------------------|-----------------------------|-----------------------------|------------|---------------------------------|
| 100 Amp Main Lug Only | 4 | NGPNA11A04ML ▲ | NGPNA12C04ML ▲ | AA | 13.61 (30) |
| | 6 | NGPNA11A06ML ▲ | NGPNA12C06ML ▲ | AA | 15.88 (35) |
| | 12 | NGPNA11A12ML ▲ | NGPNA12C12ML ▲ | A | 61.23 (135) |
| | 18 | NGPNB11A18ML ▲ | NGPNB12C18ML ▲ | B | 74.84 (165) |
| | 24 | NGPNC11A24ML ▲ | NGPNC12C24ML ▲ | C | 95.25 (210) |

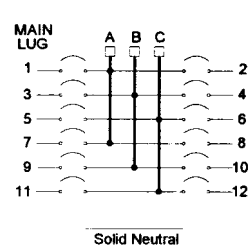
Note: For Back Fed main, replace last **ML** in part number with **BF**. For 100 Amp Main Breaker, contact your local representative. Standard interrupting capacity is 10,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram

1-Phase, 3-Wire Systems



3-Phase, 4-Wire Systems



▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

NPPN Series Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

GHB Cutler-Hammer † Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

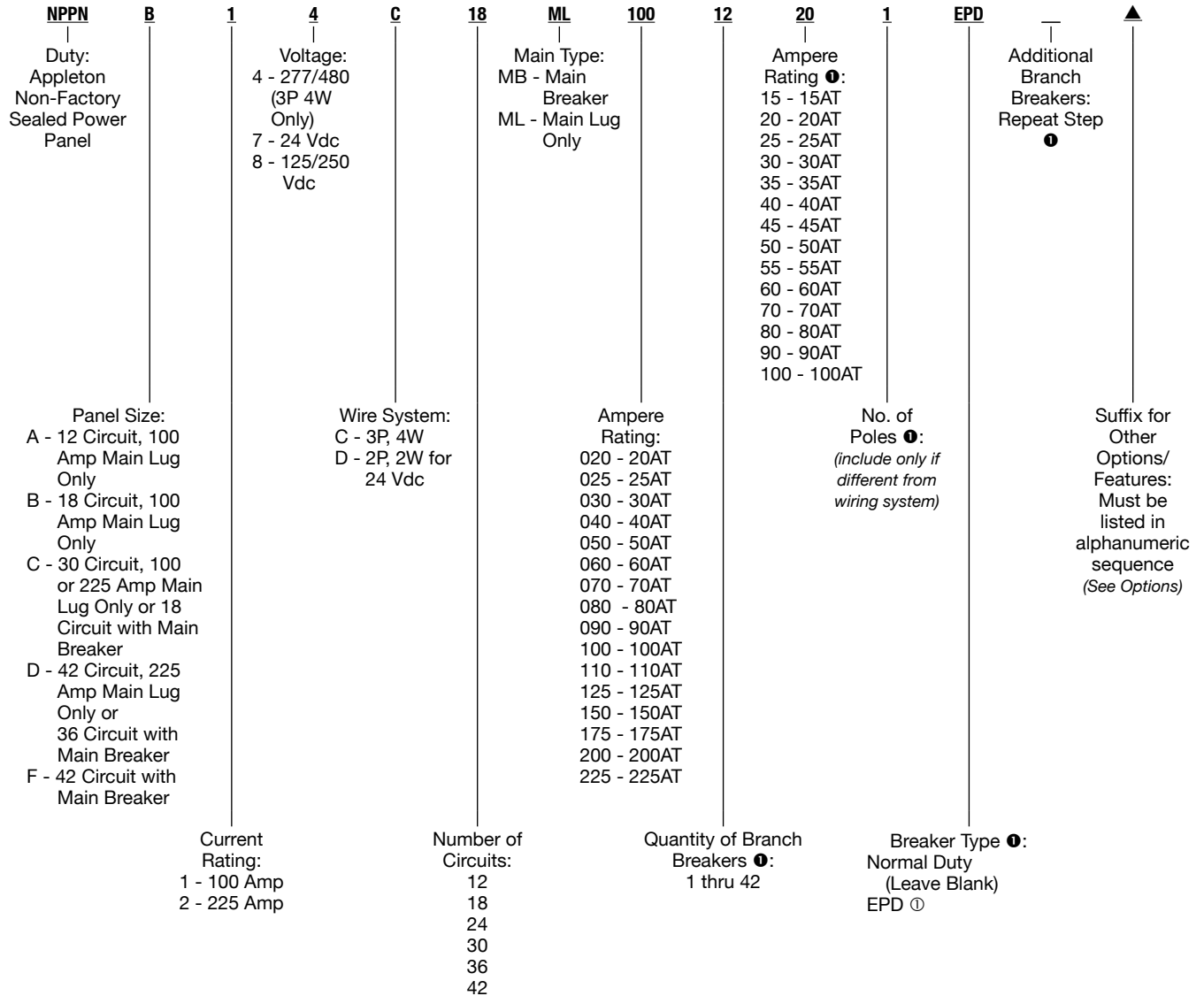
Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Select GHB † branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18-circuit 277/480 V 3-phase 4-wire 100 A MLO panel with 12 1-pole 20 Amp and 3 2-pole 30 Amp branch breakers should read NPPNB14C18ML100-12201EPD-03302.

Catalog Numbering Guide



① EPD Single Phase (requires 2-Poles) 277 Vac, 30 mA.

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

† GHB and Cutler-Hammer are trademarks of the Eaton Corporation.

NPPN Series Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

GHB Cutler-Hammer + Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

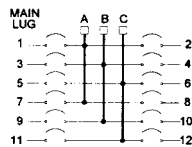
NEMA 4, 4X, 7BCD, 9EFG

| | Number of Circuits | 277/480 V 3-Phase 4-Wire GHB Type | Panel Size | Approximate Weight kgs (lbs) |
|---------------------------|--------------------|--------------------------------------|------------|---------------------------------|
| 100 Amp Main Lug Only | 12 | NPPNA14C12ML ▲ | A | 61.23 (135) |
| | 18 | NPPNB14C18ML ▲ | B | 74.84 (165) |
| | 24 | NPPNC14C24ML ▲ | C | 95.25 (210) |
| | 30 | NPPNC14C30ML ▲ | C | 97.52 (215) |
| 225 Amp Main Lug Only | 18 | NPPNC24C18ML ▲ | C | 81.65 (180) |
| | 24 | NPPNC24C24ML ▲ | C | 104.33 (230) |
| | 30 | NPPNC24C30ML ▲ | C | 106.59 (235) |
| | 36 | NPPND24C36ML ▲ | D | 131.54 (290) |
| | 42 | NPPND24C42ML ▲ | D | 133.81 (295) |
| Main Breaker 100 Amp F | 12 | NPPNC14C12MB100 ▲ | C | 74.84 (165) |
| | 18 | NPPNC14C18MB100 ▲ | C | 81.65 (180) |
| | 24 | NPPND14C24MB100 ▲ | D | 95.25 (210) |
| | 30 | NPPND14C30MB100 ▲ | D | 142.88 (315) |
| Main Breaker 225 Amp F | 18 | NPPNC24C18MB225 ▲ | C | 83.91 (185) |
| | 24 | NPPND24C24MB225 ▲ | D | 133.81 (295) |
| | 30 | NPPND24C30MB225 ▲ | D | 136.08 (300) |
| | 36 | NPPND24C36MB225 ▲ | D | 138.35 (305) |
| | 42 | NPPNF24C42MB225 ▲ | F | 156.49 (345) |

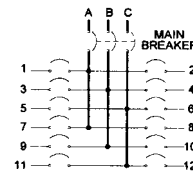
Note: For Back Fed main, replace **ML**, **MB100**, or **MB225** in part number with **BF**. For 400 Amp Main Lug, contact your local representative. Standard interrupting capacity is 14,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram

3-Phase, 4-Wire Systems



Solid Neutral



Solid Neutral

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

+ GHB and Cutler-Hammer are trademarks of the Eaton Corporation.

NPPN Series Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

F-Frame Cutler Hammer + Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Select F-Frame branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18-circuit 277/480 V 3-phase 4-wire 100 A MLO panel with 12 1-pole 20 Amp and 3 2-pole 30 Amp branch breakers should read NPPNE14C18ML100-12201-03302.

Catalog Numbering Guide

| | | | | | | | | | | | |
|---|---|---|---|--|--|---|--|---|--|---|--|
| NPPN | E | 1 | 4 | C | 18 | ML | 100 | 12 | 20 | 1 | ▲ |
| Duty: Appleton Non-Factory Sealed Power Panel | | | Voltage: 3 - 480 4 - 277/480 (3P 4W Only) 6 - 600 7 - 24 Vdc 8 - 125/250 Vdc | | | Main Type: MB - Main Breaker ML - Main Lug Only | | Ampere Rating ①: 10 - 10AT 15 - 15AT 20 - 20AT 25 - 25AT 30 - 30AT 35 - 35AT 40 - 40AT 45 - 45AT 50 - 50AT 60 - 60AT 70 - 70AT 80 - 80AT 90 - 90AT 100 - 100AT 110 - 110AT (2-, 3-Pole Only) 125 - 125AT (2-, 3-Pole Only) 150 - 150AT (2-, 3-Pole Only) 175 - 175AT (2-, 3-Pole Only) 200 - 200AT (2-, 3-Pole Only) | | | Suffix for Other Options/ Features: Must be listed in alphanumeric sequence (See Options) |
| | Panel Size: E - 12 Circuit with Main Breaker or 24 Circuit without Main Breaker G - 24 Circuit with Main Breaker or 36 Circuit without Main Breaker or H - 42 Circuit with or without Main Breaker | | | Wire System: B - 3P, 3W C - 3P, 4W D - 2P, 2W for 24 Vdc | | | Ampere Rating: 020 - 20AT 025 - 25AT 030 - 30AT 040 - 40AT 050 - 50AT 060 - 60AT 070 - 70AT 080 - 80AT 090 - 90AT 100 - 100AT 110 - 110AT 125 - 125AT 150 - 150AT 175 - 175AT 200 - 200AT 225 - 225AT | | No. of Poles ①: (include only if different from wiring system) | | |
| | | Current Rating: 1 - 100 Amp 2 - 225 Amp | | | Number of Circuits: 12 18 24 30 36 42 | | Quantity of Branch Breakers ①: 1 thru 42 | | | Additional Branch Breakers: Repeat Step ① | |

▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

+ Cutler-Hammer is a trademark of the Eaton Corporation.

NPPN Series Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

F-Frame Cutler Hammer + Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

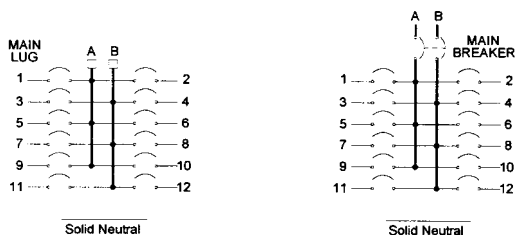
NEMA 4, 4X, 7BCD, 9EFG

| | Number of Circuits | 480 V 3-Phase 3-Wire EHD Type | 277/480 V 3-Phase 3-Wire EHD Type | 600 V 3-Phase 4-Wire FDB Type | Panel Size | Approximate Weight kgs (lbs) |
|---------------------------------|--------------------|-------------------------------------|---|-------------------------------------|------------|---------------------------------|
| 100 Amp Main Lug Only | 12 | NPPNE13B12ML ▲ | NPPNE14C12ML ▲ | NPPNE16C12ML ▲ | E | 127.01 (280) |
| | 18 | NPPNE13B18ML ▲ | NPPNE14C18ML ▲ | NPPNE16C18ML ▲ | E | 129.27 (285) |
| | 24 | NPPNE13B24ML ▲ | NPPNE14C24ML ▲ | NPPNE16C24ML ▲ | E | 131.54 (290) |
| | 30 | NPPNG13B30ML ▲ | NPPNG14C30ML ▲ | NPPNG16C30ML ▲ | G | 174.63 (385) |
| 225 Amp Main Lug Only | 18 | NPPNE23B18ML ▲ | NPPNE24C18ML ▲ | NPPNE26C18ML ▲ | E | 131.54 (290) |
| | 24 | NPPNG23B24ML ▲ | NPPNG24C24ML ▲ | NPPNG26C24ML ▲ | G | 176.90 (390) |
| | 30 | NPPNG23B30ML ▲ | NPPNG24C30ML ▲ | NPPNG26C30ML ▲ | G | 179.17 (395) |
| | 36 | NPPNG23B36ML ▲ | NPPNG24C36ML ▲ | NPPNG26C36ML ▲ | G | 181.44 (400) |
| | 42 | NPPNH23B42ML ▲ | NPPNH24C42ML ▲ | NPPNH26C42ML ▲ | H | 247.21 (545) |
| Main Breaker 100 Amp F | 12 | NPPNE13B12MB100 ▲ | NPPNE14C12MB100 ▲ | NPPNE16C12MB100 ▲ | E | 129.27 (285) |
| | 18 | NPPNG13B18MB100 ▲ | NPPNG14C18MB100 ▲ | NPPNG16C18MB100 ▲ | G | 176.90 (390) |
| | 24 | NPPNG13B24MB100 ▲ | NPPNG14C24MB100 ▲ | NPPNG16C24MB100 ▲ | G | 179.17 (395) |
| | 30 | NPPNG13B30MB100 ▲ | NPPNG14C30MB100 ▲ | NPPNG16C30MB100 ▲ | G | 181.44 (400) |
| Main Breaker 225 Amp F | 18 | NPPNG23B18MB225 ▲ | NPPNG24C18MB225 ▲ | NPPNG26C18MB225 ▲ | G | 179.17 (395) |
| | 24 | NPPNG23B24MB225 ▲ | NPPNG24C24MB225 ▲ | NPPNG26C24MB225 ▲ | G | 181.44 (400) |
| | 30 | NPPNH23B30MB225 ▲ | NPPNH24C30MB225 ▲ | NPPNH26C30MB225 ▲ | H | 249.48 (550) |
| | 36 | NPPNH23B36MB225 ▲ | NPPNH24C36MB225 ▲ | NPPNH26C36MB225 ▲ | H | 251.74 (555) |
| | 42 | NPPNH23B42MB225 ▲ | NPPNH24C42MB225 ▲ | NPPNH26C42MB225 ▲ | H | 254.01 (560) |

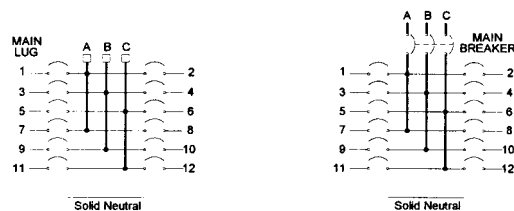
Note: For Back Fed main, replace **ML**, **MB100**, or **MB225** in part number with **BF**. For 400 Amp Main Lug, contact your local representative. Standard interrupting capacity is 14,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram

1-Phase, 3-Wire Systems



3-Phase, 4-Wire Systems

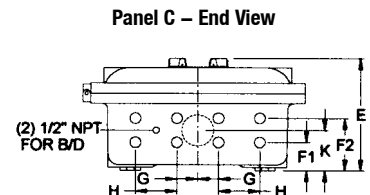
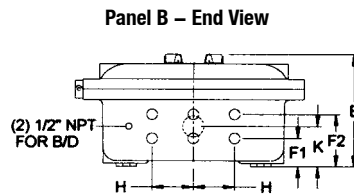
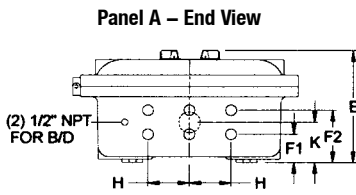
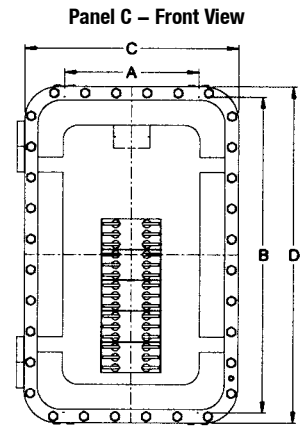
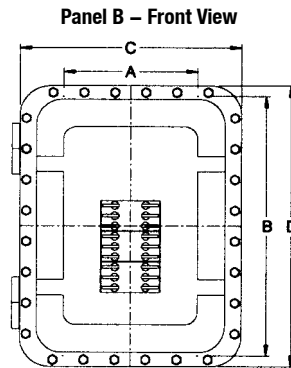
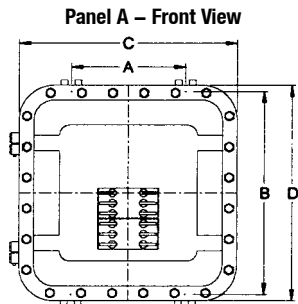


▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

+ Cutler-Hammer is a trademark of the Eaton Corporation.

NLPN, NPPN Main Lug Panelboard Dimensions and Mounting Hardware

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed



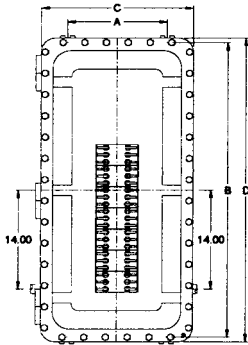
| Panel Size | Mounting Dimensions in Millimeters (Inches) | | | | | | | | | | Standard Top | Outlets Bottom | Mounting Hdw. Set |
|------------|---|------------------|------------------|------------------|------------------|----------------|-----------------|----------------|-----------------|-----------------|--------------------|--------------------|-------------------|
| | A | B | C | D | E | F1 | F2 | G | H | K | | | |
| A | 279.4 (11.00) | 501.6 (19.75) | 533.4 (21.00) | 533.4 (21.00) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | — | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 6 - 25.4 (1.00) | NMH8 |
| B | 330.2 (13.00) | 641.3 (25.25) | 544.5 (21.44) | 693.6 (27.31) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | — | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 6 - 25.4 (1.00) | NMH8 |
| C | 330.2 (13.00) | 781.0 (30.75) | 527.0 (20.75) | 931.8 (32.75) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | 50.8 (2.00) | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 6 - 25.4 (1.00) | NMH8 |

All outlets are NPT.

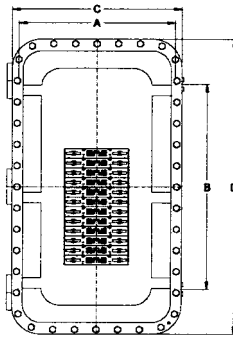
NLPN, NPPN Main Lug Panelboard Dimensions and Mounting Hardware

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

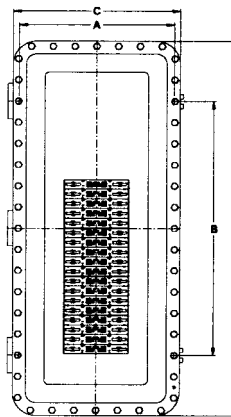
Panel D – Front View



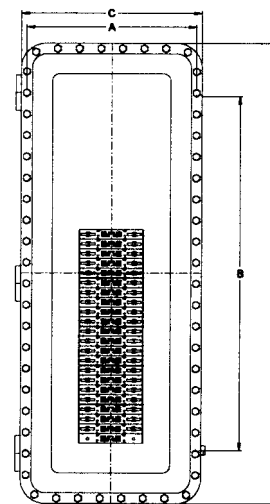
Panel E – Front View



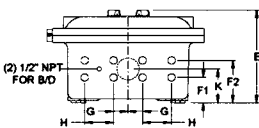
Panel G – Front View



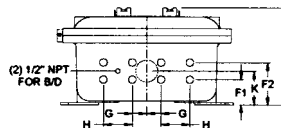
Panel H – Front View



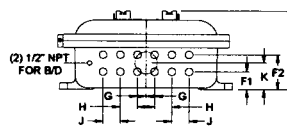
Panel D – End View



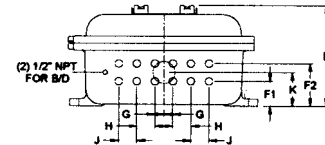
Panel E – End View



Panel G – End View



Panel H – End View



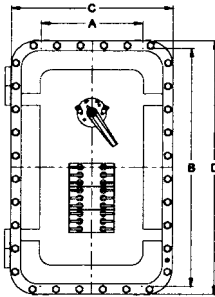
| Panel Size | Mounting Dimensions in Millimeters (Inches) | | | | | | | | | | | Standard Top | Outlets Bottom | Mounting Hdw. Set |
|------------|---|-------------------|------------------|-------------------|------------------|----------------|-----------------|----------------|----------------|-----------------|-----------------|--------------------|--------------------|-------------------|
| | A | B | C | D | E | F1 | F2 | G | H | J | K | | | |
| D | 349.2 (13.75) | 1057.4 (41.63) | 533.4 (21.00) | 1090.6 (42.94) | 330.2 (13.00) | 90.4 (3.56) | 150.8 (5.94) | 50.8 (2.00) | — | 101.6 (4.00) | 120.6 (4.75) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH8 |
| E | 552.45 (21.75) | 736.6 (29.00) | 596.9 (23.50) | 1060.4 (41.75) | 346.2 (13.63) | 90.4 (3.56) | 150.8 (5.94) | 50.8 (2.00) | — | 101.6 (4.00) | 120.6 (4.75) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH8 |
| G | 543.0 (21.38) | 914.4 (36.00) | 584.2 (23.00) | 1346.3 (53.00) | 279.4 (11.00) | 63.5 (2.50) | 123.9 (4.88) | 30.2 (1.19) | 60.4 (2.38) | 60.4 (2.38) | 88.9 (3.50) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH6 |
| H | 596.9 (23.50) | 1270.0 (50.00) | 635.0 (25.00) | 1651.0 (65.00) | 355.6 (14.00) | 87.3 (3.44) | 150.8 (5.94) | 31.7 (1.25) | 63.5 (2.50) | 63.5 (2.50) | 119.1 (4.69) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH6 |

All outlets are NPT.

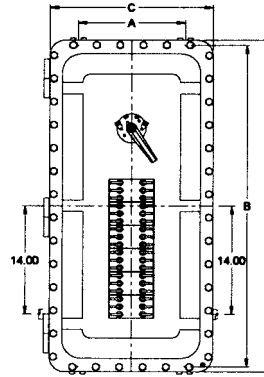
NLPN, NPPN Main Breaker Panelboard Dimensions and Mounting Hardware

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

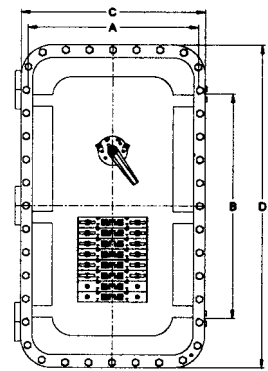
Panel C – Front View



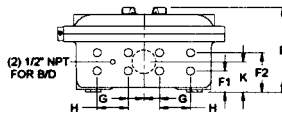
Panel D – Front View



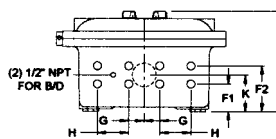
Panel E – Front View



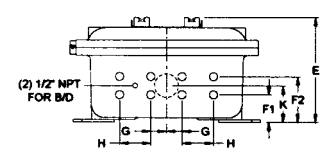
Panel C – End View



Panel D – End View



Panel E – End View



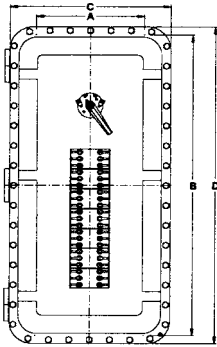
| Panel Size | Mounting Dimensions in Millimeters (Inches) | | | | | | | | | | Standard Top | Outlets Bottom | Mounting Hdw. Set |
|------------|---|-------------------|------------------|-------------------|------------------|----------------|-----------------|----------------|-----------------|-----------------|--------------------|--------------------|-------------------|
| | A | B | C | D | E | F1 | F2 | G | H | K | | | |
| C | 349.2 (13.75) | 781.0 (30.75) | 527.0 (20.75) | 931.8 (32.75) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | 50.8 (2.00) | 101.6 (4.00) | 100.0 (3.94) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH8 |
| D | 349.2 (13.75) | 1057.4 (41.63) | 533.4 (21.00) | 1090.6 (42.94) | 330.2 (13.00) | 90.4 (3.56) | 150.8 (5.94) | 50.8 (2.00) | 101.6 (4.00) | 120.6 (4.75) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH8 |
| E | 552.45 (21.75) | 736.6 (29.00) | 596.9 (23.50) | 1060.4 (41.75) | 346.2 (13.63) | 90.4 (3.56) | 150.8 (5.94) | 50.8 (2.00) | 101.6 (4.00) | 120.6 (4.75) | 1 - 76.2 (3.00) | 8 - 25.4 (1.00) | NMH8 |

All outlets are NPT.

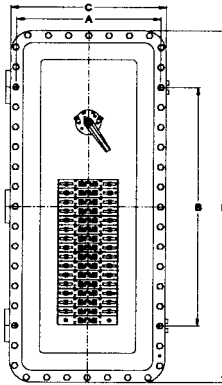
NLPN, NPPN Main Breaker Panelboard Dimensions and Mounting Hardware

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

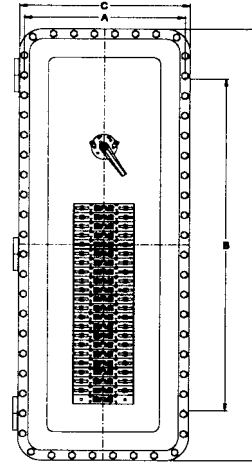
Panel F – Front View



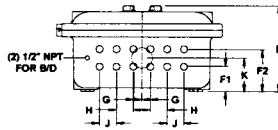
Panel G – Front View



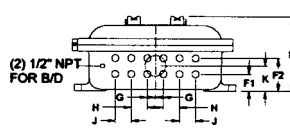
Panel H – Front View



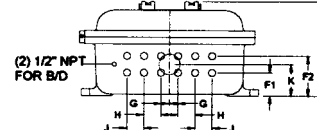
Panel F – End View



Panel G – End View



Panel H – End View



| Panel Size | Mounting Dimensions in Millimeters (Inches) | | | | | | | | | | | Standard Top | Outlets Bottom | Mounting Hdw. Set |
|------------|---|-------------------|------------------|-------------------|------------------|----------------|-----------------|----------------|----------------|----------------|-----------------|--------------------|---------------------|-------------------|
| | A | B | C | D | E | F1 | F2 | G | H | J | K | | | |
| F | 406.4 (16.00) | 1152.6 (45.38) | 603.2 (23.75) | 1212.8 (47.75) | 325.3 (12.81) | 93.7 (3.69) | 160.2 (6.31) | 31.7 (1.25) | 63.5 (2.50) | 63.5 (2.50) | 127.0 (5.00) | 1 - 76.2 (3.00) | 12 - 25.4 (1.00) | NMH8 |
| G | 543.0 (21.38) | 914.4 (36.00) | 584.2 (23.00) | 1346.2 (53.00) | 279.4 (11.00) | 63.5 (2.50) | 123.9 (4.88) | 30.2 (1.19) | 60.4 (2.38) | 60.4 (2.38) | 88.9 (3.50) | 1 - 76.2 (3.00) | 12 - 25.4 (1.00) | NMH6 |
| H | 596.9 (23.50) | 1270.0 (50.00) | 635.0 (25.00) | 1651.0 (65.00) | 355.6 (14.00) | 87.3 (3.44) | 150.8 (5.94) | 31.7 (1.25) | 63.5 (2.50) | 63.5 (2.50) | 119.1 (4.69) | 1 - 76.2 (3.00) | 12 - 25.4 (1.00) | NMH6 |

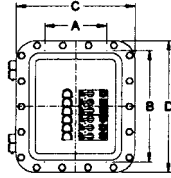
All outlets are NPT.

NGPN Series Ground Fault Interrupting Distribution Panelboard

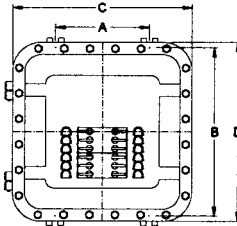
Dimensions and Mounting Hardware

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

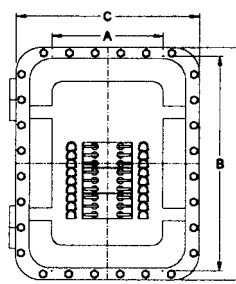
Panel AA – Front View



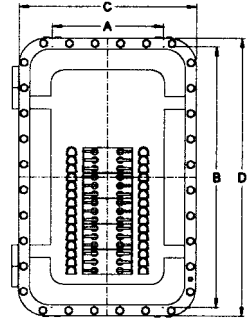
Panel A – Front View



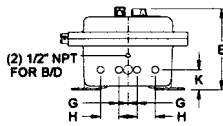
Panel B – Front View



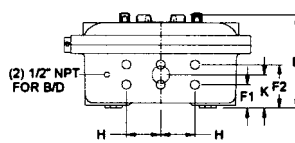
Panel C – Front View



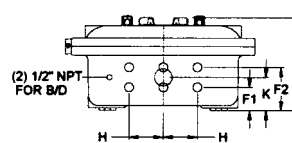
Panel AA – End View



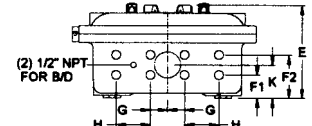
Panel A – End View



Panel B – End View



Panel C – End View



| Panel Size | Mounting Dimensions in Millimeters (Inches) | | | | | | | | | | Standard Top | Outlets Bottom | Mounting Hdw. Set |
|------------|---|------------------|------------------|------------------|------------------|----------------|-----------------|----------------|-----------------|-----------------|--------------------|--------------------|-------------------|
| | A | B | C | D | E | F1 | F2 | G | H | K | | | |
| AA | 184.1 (7.25) | 333.5 (13.13) | 352.5 (13.88) | 393.7 (15.50) | 242.8 (9.56) | 60.4 (2.38) | — | 26.9 (1.06) | 54.1 (2.13) | 60.4 (2.38) | 1 - 25.4 (1.00) | 4 - 19.0 (0.75) | NMH2 |
| A | 279.4 (11.00) | 501.6 (19.75) | 533.4 (21.00) | 533.4 (21.00) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | — | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 6 - 25.4 (1.00) | NMH8 |
| B | 330.2 (13.00) | 641.3 (25.25) | 544.5 (21.44) | 693.6 (27.31) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | — | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 6 - 25.4 (1.00) | NMH8 |
| C | 330.2 (13.00) | 781.0 (30.75) | 527.0 (20.75) | 831.8 (32.75) | 279.4 (11.00) | 69.8 (2.75) | 130.3 (5.13) | 50.8 (2.00) | 101.6 (4.00) | 100.0 (3.94) | 1 - 50.8 (2.00) | 8 - 25.4 (1.00) | NMH8 |

All outlets are NPT.

D1P Series Factory-Sealed Circuit Breaker Panelboards

NEC:
 Class I, Div. 1, 2, Groups B*, C, D
 Class I, Div. 1, 2, Zone 1, 2, Groups IIA,
 IIB+H2*
 Class II, Groups E, F, G
 Class III

NEMA 3, 3R, 4, 4X, 5, 7B*CD, 9EFG and 12

Applications

- Factory sealed panelboards are used for control and protection of electrical circuits such as lighting or equipment in hazardous locations.
- For installation in adverse environments requiring water tight, dust tight or corrosion resistant enclosures.

Features

- Factory sealed - eliminates the need for labor intensive conduit seals.
- Standard off the shelf Cutler-Hammer Type QC breakers enables quick and easy replacement of breakers.
- Spring action breaker operators are self-aligning and eliminate breaker damage when closing the enclosure cover.
- Pre-numbered terminals are provided in the terminal chamber, Branch breakers are prewired to the terminal blocks for quick and easy installation.
- Neutral bar and 225 amp main lugs are provided as standard on most System 2 panelboards.
- Maximum number of conduit entries are provided for top and bottom feed and are plugged for stable storage capabilities.
- The panelboards are completely pre-wired and assembled utilizing two/three of the available wiring chambers provided between the terminal box and the breaker box. The additional chamber is plugged and can be used for system changes utilizing the new Field Retrofit Modules[®] (FRM's).
- FRM's provide great flexibility so panels can change as requirements change. Simply purchase the appropriate FRM from the selection listed, install in one of the plugged wiring chambers and wire as needed.
- The terminal chamber is provided with two stainless steel drains and one breather.
- The breaker chamber is provided with one breather and one drain.
- Enclosure covers are pre-drilled for future additions of GFI breakers and test buttons

Standard Finishes

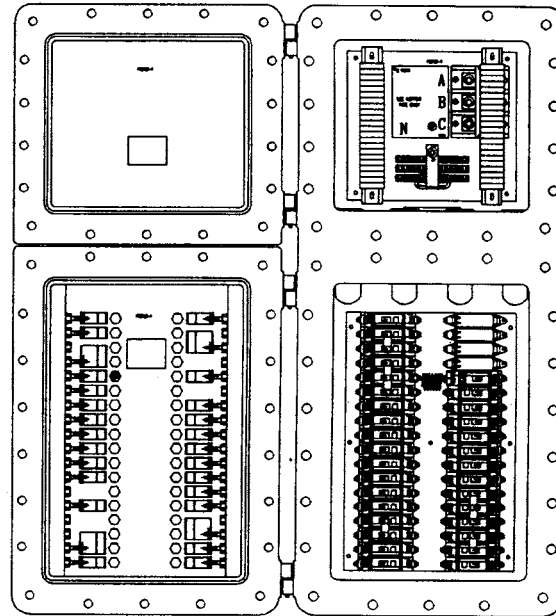
- Enclosures are copper free cast aluminum coated inside and out with our highly corrosion resistant gray epoxy powder coat.

FRM Specification

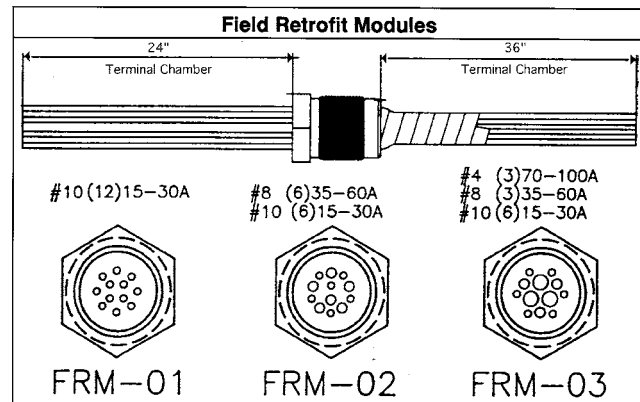
- XHHW UL Listed wire
- Corrosion resistant epoxy sealing compound.

NEC Certifications and Compliances

- UL Standard: 67, 877, 1203
- UL Listed: E84577



Two door design allows quick and easy access



D1P Factory Sealed Circuit Breaker Panelboards Illustrated Features

Explosionproof, Dust-Ignitionproof, Watertight, Corrosion-Resistant

NEC:

Class I, Division 1 and 2, Groups B ♦, C ♦, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12

Illustrated Features

Two Door Design

Breaker compartment and junction compartment can be accessed independently of each other.

Tamper Proof Construction

Provisions for padlocking individual breakers in either ON or OFF position are provided on the front of the breaker compartment.

Flexibility in Breaker Selection

In addition to having 36 circuits available, 1-, 2- or 3-pole breakers may also be specified in any combination. Ground-Fault Circuit Interrupters may also be specified for any and all breaker positions, with test buttons located adjacent to the breaker operating handle.



Factory Sealed

Sealing cement seals and protects wiring where it passes from junction to circuit breaker compartment. Branch hubs do not require external seals to maintain hazardous location ratings (except Division 1, Group B and C ♦).

Corrosion-Resistant Housing

The junction and breaker housing are constructed of a rugged, one piece, two compartment integral casting of copperfree aluminum. Heavy duty stainless steel mounting brackets allow easy installation. The exterior and interior of the housing and doors have epoxy powder coat finish.

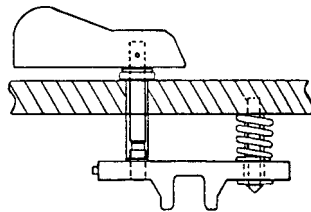
Watertight Gasketed Doors

Each door has an independent watertight gasket for NEMA 4 performance.



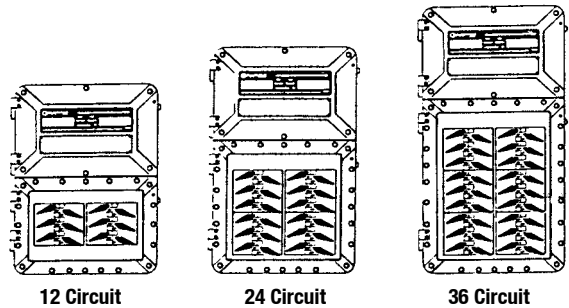
Improved Patented Actuator Handles

Rotary breaker handles provide dependable performance under heavy corrosion conditions. Handle also gives positive visual indication of breaker position. Improved spring loaded breaker actuators are also designed for corrosion resistance and are completely self-locating.



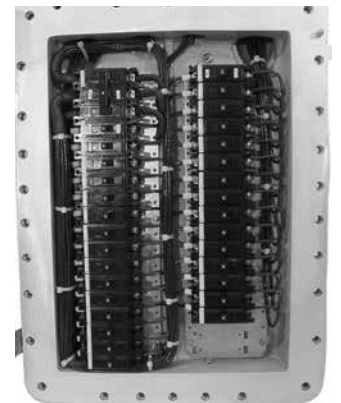
12, 24, or 36 Circuits

The EWP/D1P Panelboard lines are available in 12, 24 or 36 circuit versions.



Wire Management

Breaker wiring in the lower compartment is factory installed, saving installation time on the job site. Individual circuit connections are made to terminal blocks which are conveniently located in the front of the junction compartment. No. 10 wire is used throughout the panelboard breaker compartment. Wire bundles are crimped with a UL Listed method, and insulated for main lug assembly.



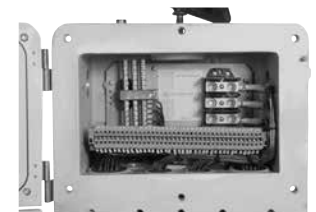
Removable Doors

Standard hinge position allows either door to be lifted off the enclosure to provide easy access to the interior.



Main Feed Conduit Openings

3" conduit openings at the top and bottom of the junction compartment permit either top or bottom feed entry. Threaded branch hubs are placed on all four sides for versatility and ease of installation.



♦ For Groups B and C, all conduits must be sealed adjacent to enclosure.

D1P Factory Sealed Circuit Breaker Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Corrosion-Resistant

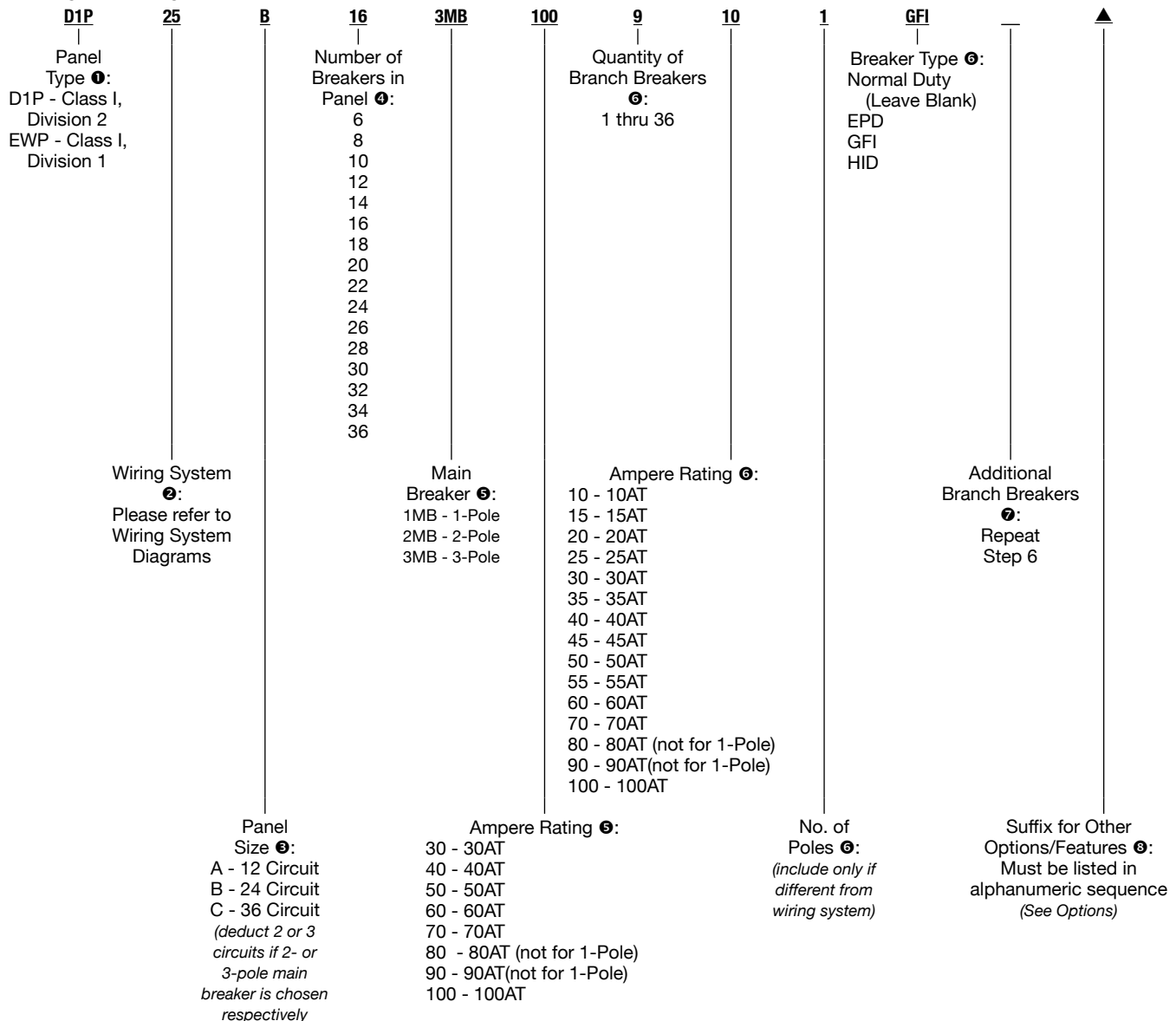
NEC:
 Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12

Ordering Instructions

- ❶ Select Panel Type: D1P.
- ❷ Select Wiring System Diagram Number (switching neutral, solid neutral or without neutral).
- ❸ Select Panelboard Size: A (max. 12 1-pole spaces), B (max. 24 1-pole spaces) or C (max. 36 1-pole spaces).
- ❹ Select Number of Breakers in Panel. If no Main Breaker required skip to number 6. If Main Breaker required, proceed to number 5.
- ❺ Add MB (Main Breaker). The correct number of poles for the Main Breaker will be supplied automatically, depending on wiring system diagram selected. Maximum of two main breakers allowed by NEC 384-16(a).
- ❻ Select Breakers as desired in panelboard. First number: quantity of breakers (1 15-60 Amp for 1-pole and 15-100 Amp for 2-pole, 3-pole); second number: ampere rating (continuous); and third number: number of poles. (Indicate only if different from wiring diagram selected). Each breaker pole takes one space. Select Breaker Type (see Options for details).
- ❼ Repeat step 6 for Additional Breakers as desired.
- ❽ Add dash preceding each suffix for other options/features (see Options).

NOTE: Main breakers use 2 or 3 branch circuit spaces.

Catalog Numbering Guide



▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

D1P Factory Sealed Circuit Breaker Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Corrosion-Resistant

NEC:

Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12

EWP and D1P Series Breaker Voltage Specifications

For 22,000 AIC rated breakers contact your local representative.

| Breaker Type | No. of Poles | Continuous Current Range (Amps) | Maximum Breaker Voltage Range | Interrupting Capacity Maximum Amps |
|----------------------------|--------------|---------------------------------|-------------------------------|------------------------------------|
| QC | 1 | 10-100 | 120/240 | 10.000 |
| | 2 | 10-100 | 120/240 | 10.000 |
| | 3 | 10-100 | 240 | 10.000 |
| QPGF (GFI) or QPGFEP (EPD) | 1 | 15-40 | 120 | 10.000 |
| | 2 | 15-50 | 120/240 | 10.000 |
| QC (HID) | 1 | 15-60 | 120/240 | 10.000 |
| | 2 | 15-60 | 120/240 | 10.000 |

Main Lug — Maximum 250 Amps — Cable Range: 250 MCM to 6

| Number of Breakers | Panel Size | D1P Catalog Number ① | |
|--------------------|------------|---------------------------------------|---------------------------------------|
| | | Wiring System Number 4 120/240 Vac | Wiring System Number 5 120/208 Vac |
| 6 | A | D1P4A6 | D1P5A6 |
| 8 | A | D1P4A8 | D1P5A8 |
| 10 | A | D1P4A10 | D1P5A10 |
| 12 | A | D1P4A12 | D1P5A12 |
| 14 | B | D1P4B14 | D1P5B14 |
| 16 | B | D1P4B16 | D1P5B16 |
| 18 | B | D1P4B18 | D1P5B18 |
| 20 | B | D1P4B20 | D1P5B20 |
| 22 | B | D1P4B22 | D1P5B22 |
| 24 | B | D1P4B24 | D1P5B24 |
| 26 | C | D1P4C26 | D1P5C26 |
| 28 | C | D1P4C28 | D1P5C28 |
| 30 | C | D1P4C30 | D1P5C30 |
| 32 | C | D1P4C32 | D1P5C32 |
| 34 | C | D1P4C34 | D1P5C34 |
| 36 | C | D1P4C36 | D1P5C36 |

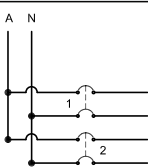
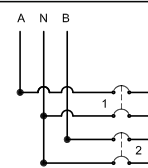
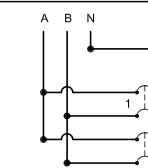
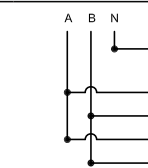
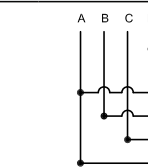
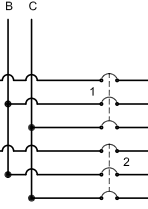
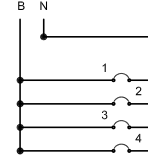
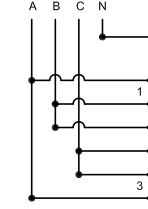
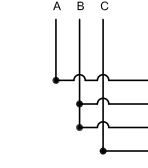
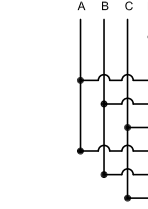
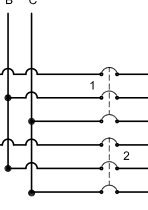
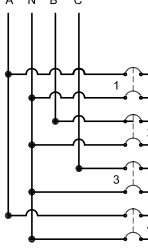
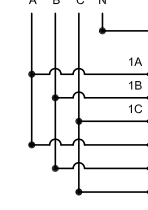
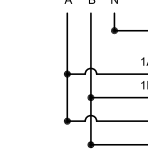
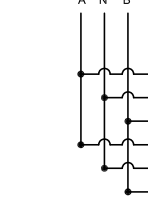
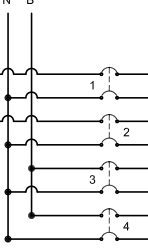
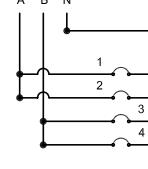
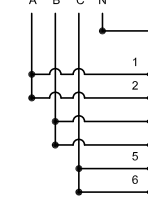
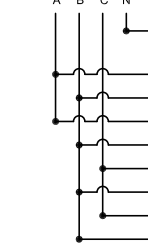
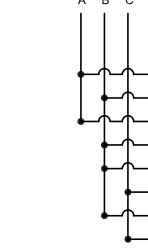
♦ For Groups B and C, all conduits must be sealed adjacent to enclosure.

① Catalog numbers shown are panelboards with 1-pole breakers for wiring systems 4 and 5. To order 1-, 2- and/or 3-pole breakers with different wiring systems, use Catalog Numbering Guide. Add ampere rating (continuous): 15 through 60 for 1-pole, and 15 through 100 for 2-pole and 3-pole.

D1P Factory Sealed Circuit Breaker Panelboards Wiring System Diagrams

Explosionproof, Dust-Ignitionproof, Watertight, Corrosion-Resistant

NEC:
 Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12

| | | | | |
|---|---|---|--|---|
| <p>System No. 1</p>  <p>Mains—2-Wire Branches—2-Wire Breakers—2-Pole</p> | <p>System No. 2</p>  <p>Mains—3-Wire Branches—2-Wire Breakers—2-Pole</p> | <p>System No. 3</p>  <p>Mains—3-Wire Branches—3-Wire Breakers—2-Pole Solid Neutral</p> | <p>System No. 4</p>  <p>Mains—3-Wire Branches—2-Wire Breakers—1-Pole Solid Neutral</p> | <p>System No. 5</p>  <p>Mains—4-Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—1-Pole Solid Neutral</p> |
| <p>System No. 6</p>  <p>Mains—3-Wire Branches—3-Wire Breakers—3-Pole</p> | <p>System No. 7</p>  <p>Mains—2 Wire Branches—2-Wire Breakers—1-Pole Solid Neutral</p> | <p>System No. 8</p>  <p>Mains—4-Wire, 3-Phase Branches—3-Wire, 1-Phase Breakers—2-Pole Solid Neutral</p> | <p>System No. 9</p>  <p>Mains—3-Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—2-Pole</p> | <p>System No. 11</p>  <p>Mains—4-Wire, 3-Phase Branches—4-Wire, 3-Phase Breakers—3-Pole Solid Neutral</p> |
| <p>System No. 12</p>  <p>Mains—3-Wire, 3-Phase Branches—3-Wire, 3-Phase Breakers—3-Pole</p> | <p>System No. 13</p>  <p>Mains—4 Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—2-Pole Solid Neutral</p> | <p>System No. 15</p>  <p>Mains—4-Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—1-Pole Solid Neutral</p> | <p>System No. 16</p>  <p>Mains—3-Wire Branches—2-Wire Breakers—1-Pole Solid Neutral</p> | <p>System No. 17</p>  <p>Mains—3-Wire Branches—3-Wire Breakers—3-Pole</p> |
| <p>System No. 22</p>  <p>Mains—3-Wire Branches—2-Wire Breakers—2-Pole</p> | <p>System No. 24</p>  <p>Mains—3 Wire Branches—2-Wire Breakers—1-Pole Solid Neutral</p> | <p>System No. 25</p>  <p>Mains—4-Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—1-Pole Solid Neutral</p> | <p>System No. 28</p>  <p>Mains—4-Wire, 3-Phase Branches—3-Wire, 1-Phase Breakers—2-Pole Solid Neutral</p> | <p>System No. 29</p>  <p>Mains—3-Wire, 3-Phase Branches—2-Wire, 1-Phase Breakers—2-Pole</p> |

D1P Factory Sealed Circuit Breaker Panelboards Dimensions

Explosionproof, Dust-Ignitionproof, Watertight, Corrosion-Resistant

D1P shown. D1P have same dimensions.

NEC:

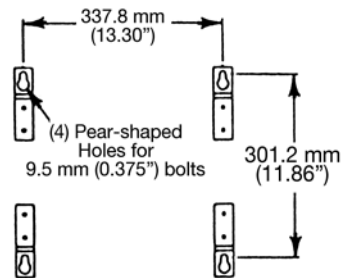
Class I, Division 1 and 2, Groups B♦, C♦, D

Class II, Division 1 and 2, Groups E, F, G

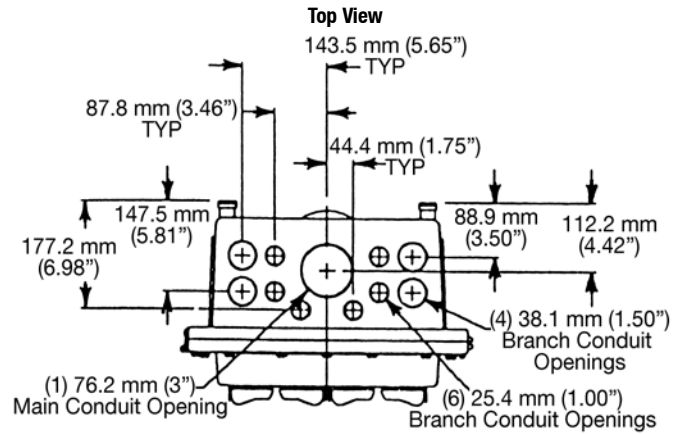
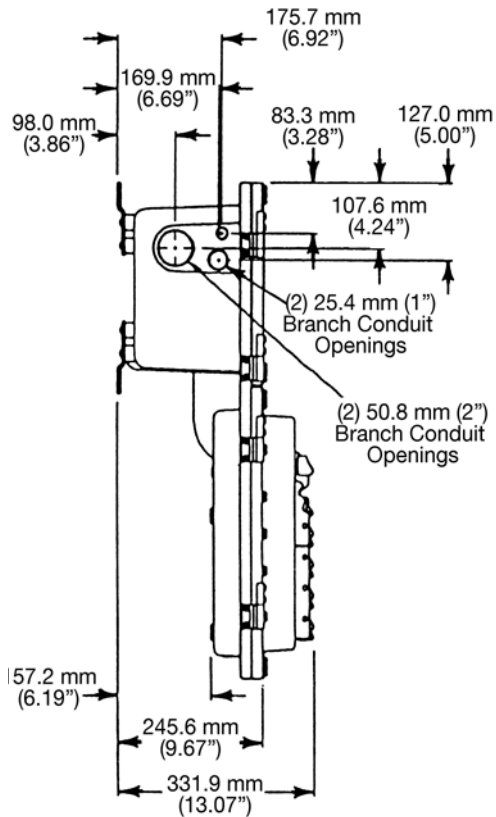
Class III

NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12

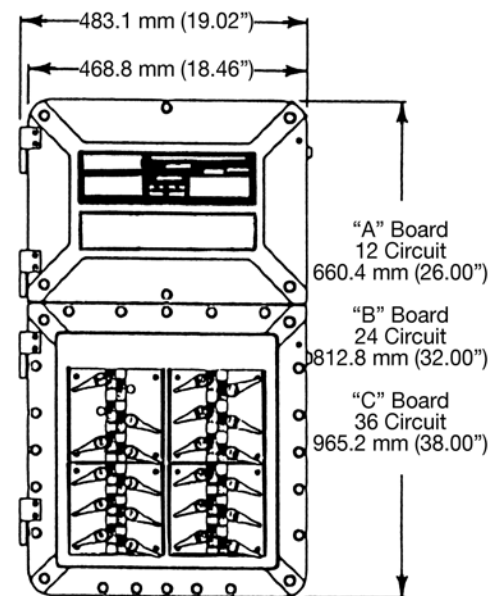
Drilling Plans for Mounting Bolts



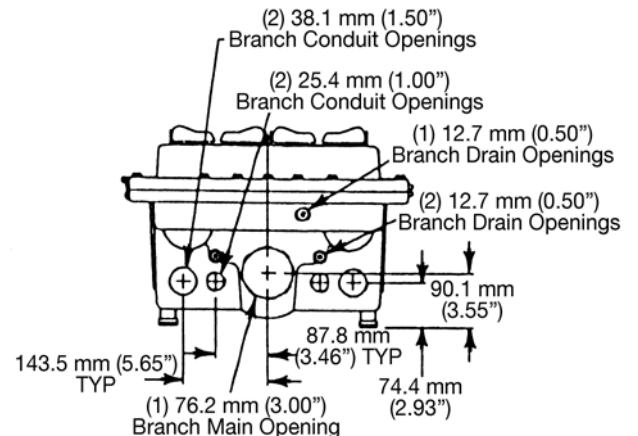
Side View



Front View



Bottom View



NPPF Factory Sealed Lighting and NPPF Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight

NEC:

Class I, Division 1 and 2, Groups B♦, C♦, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Applications

- Distribution panelboards are used to furnish protection and control of electrical equipment in hazardous locations. These compact units provide a centrally controlled switching system for large quantities of branch circuits for:
 - Lighting
 - Heating
 - Small motors
 - Similar electrical equipment

Features

- Breaker operators included as standard.
- O-ring gasket insures watertight integrity.
- Factory sealed, no external seals are required for most branch circuits. All conduits must be sealed adjacent to enclosure for Class I, Division 1, Groups B and C.
- Breakers are housed in the panel section and prewired to maximum circuit capacity, then wired to numbered terminals in the wiring compartment.
- Terminal compartment is interconnected to panel section with sealing hubs, unions and poured with sealing compound.
- Permits selection of 1-, 2- or 3-pole breakers.
- Precision machined flame path between body and cover.
- Bolt on stainless steel slotted mounting feet.
- Breaker operators can be padlocked in the ON or OFF position.
- All panelboards are supplied with Cutler-Hammer[†] interiors.
- Chassis assemblies with mains at top (bottom optional).
- Provisions for 12, 18, 24, 30, 36 and 42 circuit 1-pole chassis.
- 100 Amp or 225 Amp main lug.
- Up to 100 Amp backfed main breaker available with main lug chassis.
- Up to 225 Amp main breaker available with main breaker chassis.
- Factory installed ground and neutral bar as standard.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum
- Cover bolts: Quad-Lead[®], captive, stainless steel
- Breaker operators: copperfree (4/10 of 1% max.) aluminum
- Hinges: stainless steel
- Bus bars: copper
- O-ring: neoprene

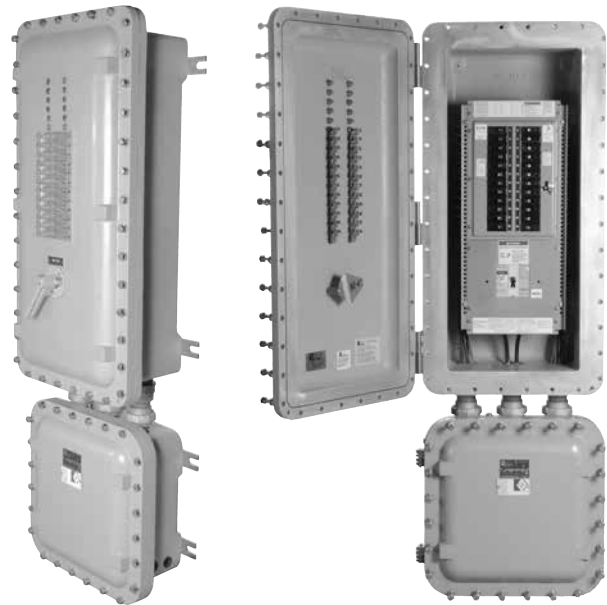
Standard Finish

- Corrosion resistant gray epoxy powder coat to provide NEMA 4X rating

Options

Must be listed in alphanumeric sequence at the end of the catalog number.

- Panel Options
 - Breather, NEMA 4X add suffix —**BR**.
 - Drain, NEMA 4X add suffix —**DN**.
 - External ground stud add suffix — **EGS**.
 - Grounding neutral lug add suffix — **GNL**.
 - Terminal breaker located at bottom, add suffix —**INV**.
 - Main breaker located at bottom, add suffix —**LB**.
 - Phenolic nameplate (specify legend) add suffix —**NP**.
 - For 50 °C (122 °F) breaker rating, add suffix —**V**.
 - For stainless steel terminal enclosure for Division 2 applications only, contact your local sales representative.



- Main Breaker Options
 - Auxiliary switch (1A or 1B) add suffix —**AS1**.
 - Auxiliary switch (2A or 2B) add suffix —**AS2**.
 - Shunt trip (specify voltage) add suffix —**ST**.
 - Under voltage release (specify voltage) add suffix —**UV**.
- Branch Breaker Option NPPF Only
 - Equipment Protection Devices (1- or 2-Pole -30 mA sensitivity) ① add suffix —**EPD**.
 - Ground Fault Interrupter (1- or 2-Pole -5 mA sensitivity) ① add suffix —**GFI**.
 - GFI Indicating Light add suffix —**L5**.
- Branch Breaker Options NPPF GHB Only
 - Equipment Protection Devices (1- or 2-Pole -30 mA sensitivity) ① add suffix —**EPD**.
- Branch Breaker Options NPPF F-Frame Only
 - Auxiliary switch (1A or 1B) add suffix —**AS1**.
 - Auxiliary switch (2A or 2B) add suffix —**AS2**.
 - Shunt trip (specify voltage) add suffix —**ST**.
 - Under voltage release (specify voltage) add suffix —**UV**.
- 400 Amp panel available, contact your local sales representative.

NEC Certifications and Compliances

- UL Standard: UL 1203
- UL Listed: E84577

♦ For Class I, Division 1, Groups B and C, all conduits must be sealed within 50.8 mm (2") of enclosure.

† Cutler-Hammer is a trademark of the Eaton Corporation.

① GFI Push-to-Test Buttons are standard with GFI or EPD options.

NPPF 480, 600 Volt Factory Sealed Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight

F-Frame Cutler Hammer + Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B♦, C♦, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Select branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18-circuit 277/480 V 3-phase 100 A MLO panel with 12 1-pole 20 Amp and 3 2-pole 30 Amp branch breakers should read NPPFP14C18ML100-12201-03302.

Catalog Numbering Guide

| | | | | | | | | | | | |
|---|----------|---|---|----------|--|--|--|-----------|---|---|--|
| NPPF | P | 1 | 4 | C | 18 | ML | 100 | 12 | 20 | 1 | ▲ |
| Duty: Appleton Factory Sealed Power Panel | | | Voltage: 3 - 480 4 - 277/480 6 - 600 7 - 24 Vdc 8 - 125/250 Vdc | | | Main Type: MB - Main Breaker ML - Main Lug Only | | | Ampere Rating ①: 10 - 10AT 15 - 15AT 20 - 20AT 25 - 25AT 30 - 30AT 35 - 35AT 40 - 40AT 45 - 45AT 50 - 50AT 60 - 60AT 70 - 70AT 80 - 80AT 90 - 90AT 100 - 100AT 110 - 110AT (2-, 3-Pole Only) 125 - 125AT (2-, 3-Pole Only) 150 - 150AT (2-, 3-Pole Only) 175 - 175AT (2-, 3-Pole Only) 200 - 200AT (2-, 3-Pole Only) | | Suffix for Other Options/ Features: Must be listed in alphanumeric sequence (See Options) |
| Panel Size: P - 12 Circuit with Main Breaker or 24 Circuit without Main Breaker R - 24 Circuit with Main Breaker or 36 Circuit without Main Breaker or S - 42 Circuit with or without Main Breaker | | | Wire System: B - 3P, 3W C - 3P, 4W D - 2P, 2W for 24 Vdc | | | Ampere Rating: 020 - 20AT 025 - 25AT 030 - 30AT 040 - 40AT 050 - 50AT 060 - 60AT 070 - 70AT 080 - 80AT 090 - 90AT 100 - 100AT 110 - 110AT 125 - 125AT 150 - 150AT 175 - 175AT 200 - 200AT 225 - 225AT | | | No. of Poles ①: (include only if different from wiring system) | | |
| | | Current Rating: 1 - 100 Amp 2 - 225 Amp | | | Number of Circuits: 12 18 24 30 36 42 | | Quantity of Branch Breakers ①: 1 thru 42 | | | Additional Branch Breakers: Repeat Step ① | |

+ Cutler-Hammer is a trademark of the Eaton Corporation.

♦ For Class I, Division 1, Groups B and C, all conduits must be sealed within 50.8 mm (2") of enclosure.

NPPF 480, 600 Volt Factory Sealed Power Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight

F-Frame Cutler Hammer + Circuit Breakers

NEC:

Class I, Division 1 and 2, Groups B♦, C♦, D

Class II, Division 1 and 2, Groups E, F, G

Class III

Class I, Zone 1, Group IIB +H₂

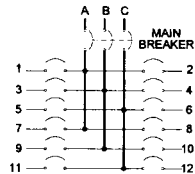
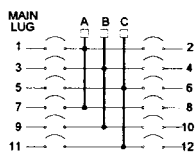
NEMA 4, 4X, 7BCD, 9EFG

| | Number of Circuits | 480 V 3-Phase 3-Wire EHD Type | 277/480 V 3-Phase 4-Wire EHD Type | 600 V 3-Phase 4-Wire FDB Type |
|-----------------------------|--------------------|-------------------------------------|---|-------------------------------------|
| 100 Amp Main Lug Only | 12 | NPPFP13B12ML ▲ | NPPFP14C12ML ▲ | NPPFP16C12ML ▲ |
| | 18 | NPPFP13B18ML ▲ | NPPFP14C18ML ▲ | NPPFP16C18ML ▲ |
| | 24 | NPPFP13B24ML ▲ | NPPFP14C24ML ▲ | NPPFP16C24ML ▲ |
| | 30 | NPPFR13B30ML ▲ | NPPFR14C30ML ▲ | NPPFR16C30ML ▲ |
| 225 Amp Main Lug Only | 18 | NPPFP23B18ML ▲ | NPPFP24C18ML ▲ | NPPFP26C18ML ▲ |
| | 24 | NPPFR23B24ML ▲ | NPPFR24C24ML ▲ | NPPFR26C24ML ▲ |
| | 30 | NPPFR23B30ML ▲ | NPPFR24C30ML ▲ | NPPFR26C30ML ▲ |
| | 36 | NPPFR23B36ML ▲ | NPPFR24C36ML ▲ | NPPFR26C36ML ▲ |
| | 42 | NPPFS23B42ML ▲ | NPPFS24C42ML ▲ | NPPFS26C42ML ▲ |
| Main Breaker 100 Amp F | 12 | NPPFP13B12MB100 ▲ | NPPFP14C12MB100 ▲ | NPPFP16C12MB100 ▲ |
| | 18 | NPPFR13B18MB100 ▲ | NPPFR14C18MB100 ▲ | NPPFR16C18MB100 ▲ |
| | 24 | NPPFR13B24MB100 ▲ | NPPFR14C24MB100 ▲ | NPPFR16C24MB100 ▲ |
| | 30 | NPPFR13B30MB100 ▲ | NPPFR14C30MB100 ▲ | NPPFR16C30MB100 ▲ |
| Main Breaker 225 Amp F | 18 | NPPFR23B18MB225 ▲ | NPPFR24C18MB225 ▲ | NPPFR26C18MB225 ▲ |
| | 24 | NPPFR23B24MB225 ▲ | NPPFR24C24MB225 ▲ | NPPFR26C24MB225 ▲ |
| | 30 | NPPFS23B30MB225 ▲ | NPPFS24C30MB225 ▲ | NPPFS26C30MB225 ▲ |
| | 36 | NPPFS23B36MB225 ▲ | NPPFS24C36MB225 ▲ | NPPFS26C36MB225 ▲ |
| | 42 | NPPFS23B42MB225 ▲ | NPPFS24C42MB225 ▲ | NPPFS26C42MB225 ▲ |

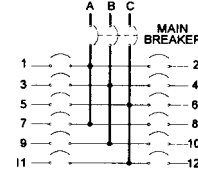
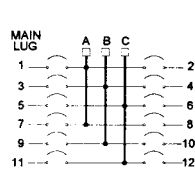
Note: For Back Fed main, replace **ML**, **MB100**, or **MB225** in part number with **BF**. For 400 Amp Main Lug, contact your local representative. Standard interrupting capacity is 14,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram

3-Phase, 3-Wire Systems



3-Phase, 4-Wire Systems



♦ For Class I, Division 1, Groups B and C, all conduits must be sealed within 50.8 mm (2") of enclosure.

▲ Suffix for Other Options/Features: Must be listed in alphanumeric sequence. See Options.

Inertia Switches – Class 530

NEC:
 Class I, Div. 1, 2, Group D;
 Class I, Zone 1, 2, Group IIA
 Class II, Div. 1, 2, Groups E, F, G
 Class III
 NEMA 7D, 9EFG

4A Series:
 NEMA 4

Applications

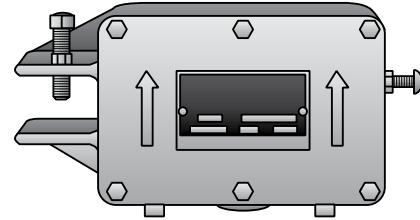
- The Inertia Switch is a unidirectional shut down device that operates upon sharp impact and provides protection for oil well pumping units. When installed properly, the switch will shut down the pump engine or motor upon impact occurring from sucker rod breakage.
- An external adjustment screw varies the impact trip level of the switch. The desired setting should prevent tripping on start up and normal operation, but trip upon malfunction. The switch should be located at a position subject to maximum shock forces. It should never be installed immediately adjacent to bearing surfaces.

NEC Certifications and Compliances

- UL Standard: 698

Options

- Gray Powder Coat Epoxy - Add suffix **G1**
- Drain Only - Add suffix **BD**

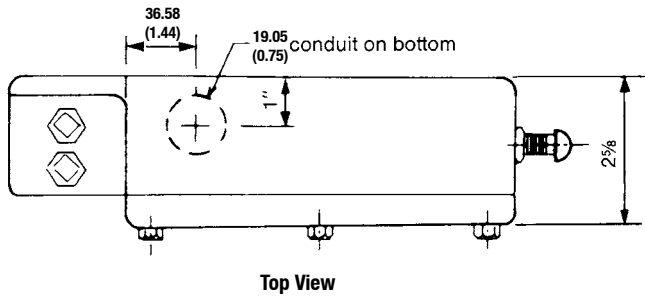
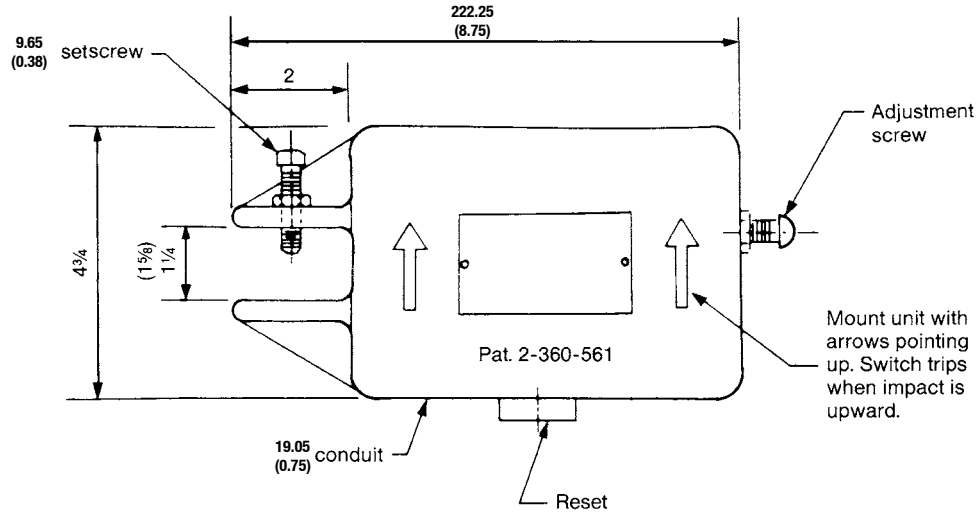


Class 530 Inertia Switch

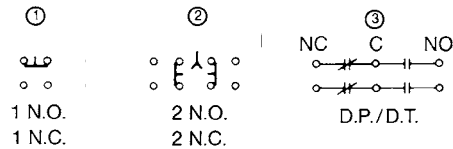
| Inertia Switch Assemblies | | | |
|---------------------------|----------------|-----------------------------------|--|
| Type Switch | Switch Contact | 7A Series Catalog Number NEMA 7/9 | 4A Series Catalog Number NEMA 4 (Only) |
| Snap | 1 N.O., 1 N.C. | 7AS10C | 4AS10C |
| Snap | 2 N.O., 2 N.C. | 7AS20C | 4AS20C |
| Snap | DP/DT | 7ASDP | 4ASDP |

Inertia Switches – Class 530

Dimensions in Millimeters (Inches)



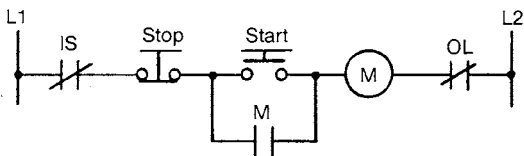
Switch Contacts – Snap Switch



| | | |
|----|---|---|
| 1. | 20 amps at 230 VAC 10 amps at 460 VAC | 0.5 amps at 115 VDC 0.2 amps at 230 VDC |
| 2. | 15 amps at 230 VAC 7.5 amps at 460 VAC | 0.2 amps at 115 VDC 0.1 amps at 230 VDC |
| 3. | 10 amps at 250 VAC 10 amps at 125 VAC | 0.3 amps at 125 VDC 0.15 amps at 250 VDC |

Typical Wiring:

When the inertia switch is used in conjunction with a magnetic motor starter the unit should be inserted in the circuit as shown in the schematic below:



When the unit is used with a gasoline engine, connect one of the switch terminals to the magneto primary and the other to ground.

Vibration Switches – Class 531

Applications

- The Nelson Vibration Switch is a safety device designed for protecting rotating machinery, such as motors, generators, engines, pumps and fan, from abnormal levels of vibration. If the vibration level of such a device becomes excessive, the switch will trip, shutting down the device being protected.
- The switch operates on the principle of magnetic air gap, an increased air gap for low vibration and decreased air gap for high vibration levels.
- The sensitivity (air gap) can be adjusted by means of an adjustment knob and lock nut on the outside of the enclosure. Rotation of the knob changes the sensitivity of the switch. A satisfactory adjustment can be achieved by trial and error, locating the switch where it is subjected to maximum vibration.

Features

- Two SPDT micro switches.
- External sensitivity adjustment.
- Manual reset button.
- Standard "O-Ring provides watertight seal for NEMA 4 application.

Switch Rating:

15A at 125, 250, or 480 VAC
 1/2A at 125 VDC
 1/4A at 250 VDC
 1/8 HP - 125 VAC, 1/4 HP - 250 VAC

Standard Materials

- Copper-free cast aluminum enclosure

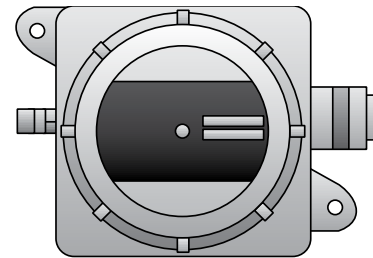
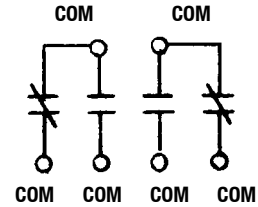
Standard Finishes

- Grey epoxy power coat

NEC Certifications and Compliances

- UL Standard 698
- UL Listed: E-75434
- CSA Certified: LR50996
- Compliances:
 - Type TBSM
 - Class I, Div. 1, 2, Groups C, D
 - Class I, Zone 1, 2, Group IIA, IIB
 - Class II, Div. 1, 2, Groups E, F, G
 - Class III
 - NEMA 4, 7CD, 9EFG
 - Type TBSM-B
 - Class I, Div. 1, 2, Groups B, C, D
 - Class I, Zone 1, 2, Group IIA, IIB+H2
 - Class II, Div. 1, 2, Groups E, F, G
 - Class III
- NEMA 4, 7BCD, 9EFG

Switch Contacts

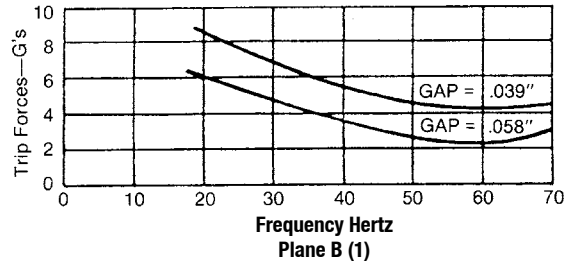
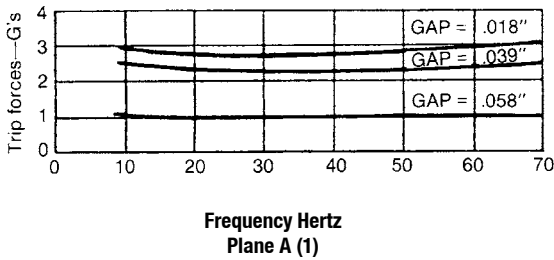
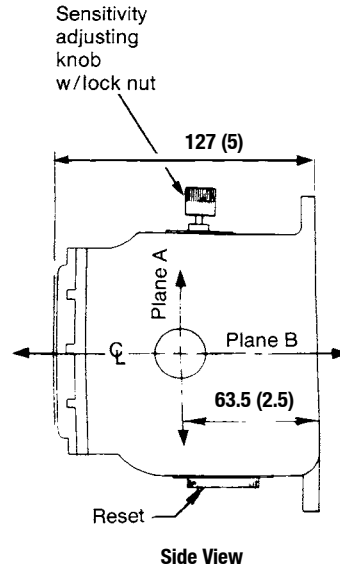
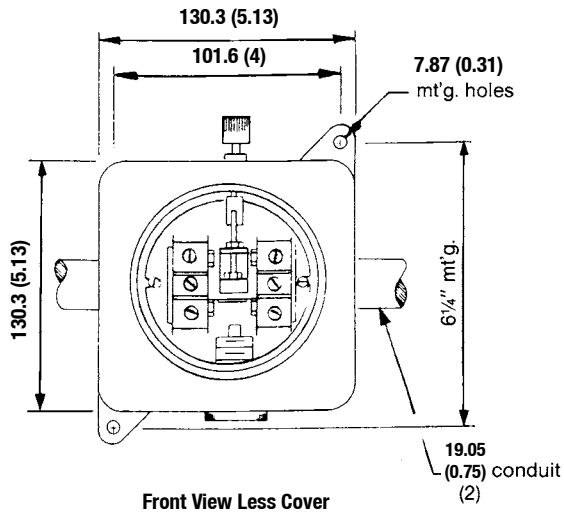


Class 531 Vibration Switch

| Vibration Switch Assemblies | |
|--|----------------|
| Area Classification | Catalog Number |
| Class I, Groups C, D Class I, Zone 1, Group IIB Class II, Groups E, F, G | TBSM |
| Class I, Groups B, C, D Class I, Zone 1, Group IIB + Hydrogen Class II, Groups E, F, G | TBSM-B |

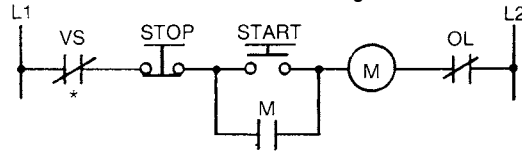
Vibration Switches – Class 531

Dimensional Data in Millimeters (Inches)



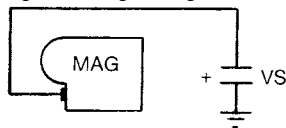
Data compiled by use of sine wave vibrations table.

Vibration switch used with magnetic motor

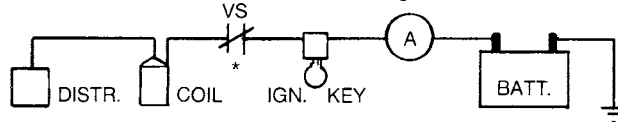


* Opens when tripped
+ Closes when tripped

Vibration switch used with gasoline engine magnetos:



Vibration switch used with engine distributor



NEPGI Series Ground Indicator

Explosionproof, Dust-Ignitionproof

NEC:
 Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4,7,9

Applications

- The grounding device is used to logically indicate the presence of grounding of tank cars or tank trucks before and during transfer of combustible materials.
- When connected to a truck prior to loading or unloading, the presence of a safe ground is indicated by a green light and the absence of ground is indicated by a red light.
- Interlocking circuitry will prevent pumps from starting until a ground is established or shut pumps down if a ground is lost at any time during loading or unloading.
- This intrinsically safe circuit and explosionproof enclosure enables the ground device to be used in hazardous location areas.

Features

- Clamp and Cable - The coiled cable provided: 2 conductor #14 SJEOO-WA terminated with an alligator ground clamp.
- Operating temperature: -46 °C to +105 °C (-51 °F to +221 °F).
- Power requirements: - 115/240 Vac.
- Control contacts: 250 Vac — 10 amp continuous.
- Indicators: one green light for “Satisfactory Ground”, one red light for “No Ground”.
- Compact design.
- Hinges supplied.
- External ground lug and internal ground lug supplied; accommodate #14 through #2 AWG.

Standard Materials

- Enclosure: copperfree (4/10 of 1% max.) aluminum

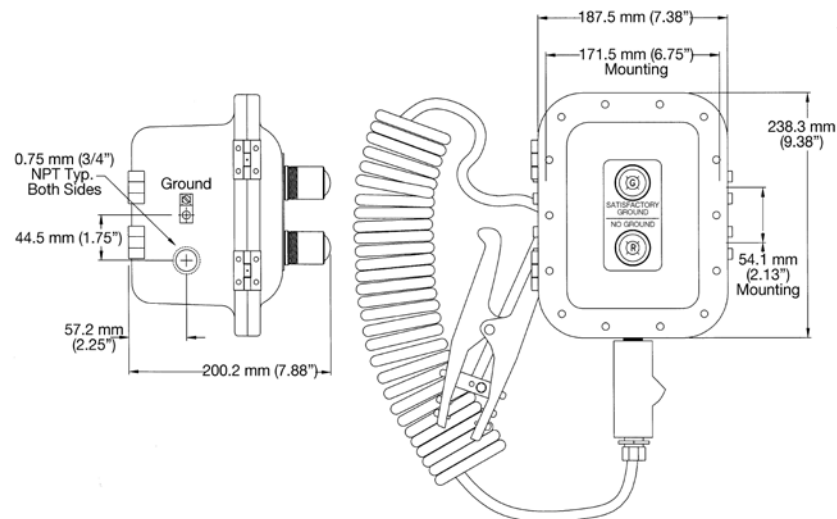
Standard Finishes

- Epoxy powder coat on enclosure

NEC Compliances

- UL Standards: UL 508, UL 698, UL 1203
- UL Classified: E84577

Dimensions in Millimeters (Inches)



♦ For Groups B and C, all conduit entries must be sealed adjacent to enclosure.