

ENCLOSURES AND JUNCTION BOXES

























When one spark makes the difference between a normal day and a big problem, Appleton enclosures are an absolute necessity. Designed to fully contain and confine an explosive force within the enclosure, they are strong enough to withstand the effects of corrosion and time.



ENCLOSURES AND JUNCTION BOXES




















Enclosures and Junction Boxes

Hazardous Location and Ordinary Location

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Enclosures and Junction Boxes

Hazardous Location and Ordinary Location

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GUBB, GUBB. GUBBM, DER, GUB and GUBM

AGUB

AJBEW

EXB

DTX

XP

WYS Type

WYR Type

WYL Type

WYT Type

WYW Type

WY58E Type

WYF Type

WYC Type

WYU Type

WYNY Type

GR and GRF Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

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

- Complies with 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 runs.
- Provide access for maintenance.

Features

- GR boxes offers ten hub arrangements.
- GRF boxes have integral mounting flange.
- Malleable iron bodies have high tensile strength, ductility and 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.
- Function as sealing fittings when used with sealing covers (see NEC for restrictions).
- Internally threaded body with externally threaded cover.
- Covers have pry notches for bar or wrench.
- Accommodate sealing, dome, hub and union hub covers, and canopies.
- Standard O-rings provide raintight fit. NEMA 3, 4.
- Internal ground screw standard.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Body: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Cover: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

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

Options

- To order body without cover, add suffix **-LC** to catalog number.
- For malleable iron body and cover, add suffix **-M**.
- PVC coating available on specified products. Add suffix **-PVC** to catalog number. To add PVC coating to items not specified, contact your local sales representative.

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017



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

GR Conduit Outlet Boxes








Explosionproof, Dust-Ignitionproof

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

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

	Hub Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Form Number ③	Catalog Number ①	
						Malleable Iron ② Body With Aluminum Cover	Aluminum Body with Aluminum Cover
	GRE	1/2	3.38/85.9	18.0/.29	1	GRE50	GRE50-A
		3/4	3.38/85.9	18.0/.29	1	GRE75	GRE75-A
		1	3.38/85.9	18.0/.29	1	GRE100	GRE100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRE125	GRE125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRE150	GRE150-A
	GRC ④	1/2	3.38/85.9	18.0/.29	1	GRC50	GRC50-A
		3/4	3.38/85.9	18.0/.29	1	GRC75	GRC75-A
		1	3.38/85.9	18.0/.29	1	GRC100	GRC100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRC125	GRC125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRC150	GRC150-A
		2	4.88/124.0	76.0/1.25	3	GRC200	GRC200-A
	GRL ④	1/2	3.38/85.9	18.0/.29	1	GRL50	GRL50-A
		3/4	3.38/85.9	18.0/.29	1	GRL75	GRL75-A
		1	3.38/85.9	18.0/.29	1	GRL100	GRL100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRL125	GRL125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRL150	GRL150-A
		2	4.88/124.0	76.0/1.25	3	GRL200	GRL200-A
	GRLB ④	1/2	3.38/85.9	18.0/.29	1	GRLB50	GRLB50-A
		3/4	3.38/85.9	18.0/.29	1	GRLB75	GRLB75-A
		1	3.38/85.9	18.0/.29	1	GRLB100	GRLB100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRLB125	GRLB125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRLB150	GRLB150-A
		2	4.88/124.0	76.0/1.25	3	GRLB200	GRLB200-A
	GRN ④	1/2	3.38/85.9	18.0/.29	1	GRN50	GRN50-A
		3/4	3.38/85.9	18.0/.29	1	GRN75	GRN75-A
		1	3.38/85.9	18.0/.29	1	GRN100	GRN100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRN125	GRN125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRN150	GRN150-A
	GRT ④	1/2	3.38/85.9	18.0/.29	1	GRT50	GRT50-A
		3/4	3.38/85.9	18.0/.29	1	GRT75	GRT75-A
		1	3.38/85.9	18.0/.29	1	GRT100	GRT100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRT125	GRT125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRT150	GRT150-A
		2	4.88/124.0	76.0/1.25	3	GRT200	GRT200-A
	GRX ④	1/2	3.38/85.9	18.0/.29	1	GRX50	GRX50-A
		3/4	3.38/85.9	18.0/.29	1	GRX75	GRX75-A
		1	3.38/85.9	18.0/.29	1	GRX100	GRX100-A
		1-1/4	3.94/100.1	31.0/.51	2	GRX125	GRX125-A
		1-1/2	4.88/124.0	72.0/1.18	3	GRX150	GRX150-A
		2	4.88/124.0	76.0/1.25	3	GRX200	GRX200-A

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

① Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately.

② For malleable iron body and cover, add suffix **-M**.

③ Form number designates body and matching cover sizes. To order body without cover, add suffix **-LC** to catalog number.




④ PVC coating available, add suffix **-PVC** to catalog number.

GR Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

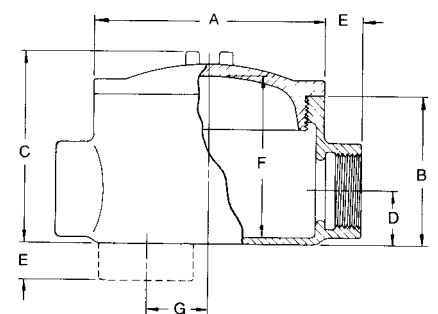
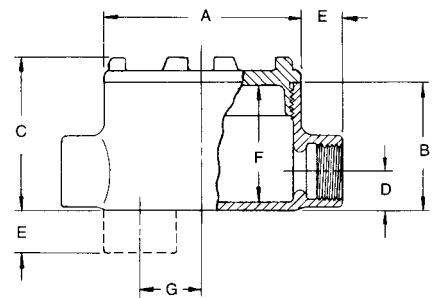
UNILETS® for use with Threaded Metal Conduit. Furnished with Internal Ground Screw and O-Ring.

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

	Hub Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Form Number ③	Catalog Number ①	
						Malleable Iron ② Body With Aluminum Cover	Aluminum Body with Aluminum Cover
	GRCA	1/2	3.38/85.9	18.0/0.29	1	GRCA50	GRCA50-A
		3/4	3.38/85.9	18.0/0.29	1	GRCA75	GRCA75-A
	GRLA	1/2	3.38/85.9	18.0/0.29	1	GRLA50	GRLA50-A
		3/4	3.38/85.9	18.0/0.29	1	GRLA75	GRLA75-A
	GRTA	1/2	3.38/85.9	18.0/0.29	1	GRTA50	GRTA50-A
		3/4	3.38/85.9	18.0/0.29	1	GRTA75	GRTA75-A

Dimensions

Hub Size (Inches)	Dimensions in Inches/Millimeters						
	A	B	C	D	E	F	G
GR Series, Form 1							
1/2	3.75/95.3	2.44/62	2.88/73.2	0.75/19.1	0.81/20.6	2.25/57.2	1.25/31.8
3/4	3.75/95.3	2.44/62	2.88/73.2	0.75/19.1	0.81/20.6	2.25/57.2	1.25/31.8
1	3.75/95.3	2.44/62	2.88/73.2	0.94/23.9	0.94/23.9	2.25/57.2	1.06/26.9
GR Series, Forms 2 and 3							
1-1/4	4.50/114.3	2.69/68.3	3.56/90.4	1.19/30.2	0.88/22.4	2.75/69.9	1.13/28.7
1-1/2	5.75/146.1	3.75/95.3	4.81/122.2	1.38/35.1	0.94/23.9	4.06/103.1	1.50/38.1
2	5.75/146.1	4.00/101.6	5.06/128.5	1.63/41.4	1/25.4	4.25/108.0	1.25/31.8



♦ In Class I, Division 1, Group B atmospheres, all conduit runs must have a sealing fitting (not supplied) field-installed adjacent to the enclosure.
 ① Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately.
 ② For malleable iron body and cover, add suffix **-M**.
 ③ Form number designates body and matching cover sizes. To order body without cover, add suffix **-LC** to catalog number.

GRF Flanged Conduit Outlet Boxes





Explosionproof, Dust-Ignitionproof

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

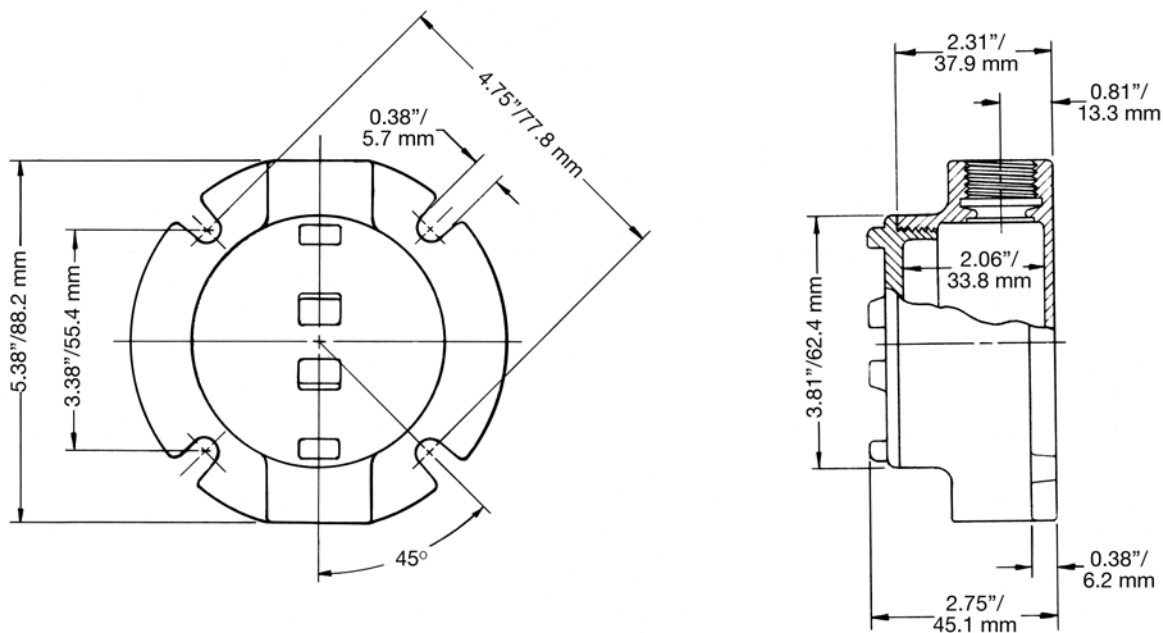
Class I, Division 1 and 2, Groups B♦, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 4

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

	Hub Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Form Number ③	Catalog Number ①	
						Malleable Iron ② Body With Aluminum Cover	Aluminum Body with Aluminum Cover
	GRFC	1/2	3.38/85.9	18.0/0.29	1	GRFC50	GRFC50-A
		3/4	3.38/85.9	18.0/0.29	1	GRFC75	GRFC75-A
		1	3.38/85.9	18.0/0.29	1	GRFC100	GRFC100-A
	GRFL	1/2	3.38/85.9	18.0/0.29	1	GRFL50	GRFL50-A
		3/4	3.38/85.9	18.0/0.29	1	GRFL75	GRFL75-A
		1	3.38/85.9	18.0/0.29	1	GRFL100	GRFL100-A
	GRFT	1/2	3.38/85.9	18.0/0.29	1	GRFT50	GRFT50-A
		3/4	3.38/85.9	18.0/0.29	1	GRFT75	GRFT75-A
		1	3.38/85.9	18.0/0.29	1	GRFT100	GRFT100-A
	GRFX	1/2	3.38/85.9	18.0/0.29	1	GRFX50	GRFX50-A
		3/4	3.38/85.9	18.0/0.29	1	GRFX75	GRFX75-A
		1	3.38/85.9	18.0/0.29	1	GRFX100	GRFX100-A

Dimensions



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

① Other covers available—see GR and GRF Conduit Outlet Box Covers page. Order separately

② For malleable iron body and cover, add suffix **-M**.







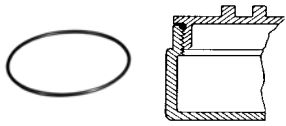

③ Form number designates body and matching cover sizes. To order body without cover, add suffix **-LC** to catalog number.

GR and GRF Conduit Outlet Box Covers

Explosionproof, Dust-Ignitionproof

Covers and O-rings Fit Bodies with Corresponding Form Numbers.

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

	Hub Type	Cover Opening Inches/Millimeters	Fixture Stem Size Inches/Millimeters	Form Number ①	Catalog Number	
					Malleable Iron	Aluminum
	Surface ②	3.38/85.9		1	GRK-1M	GRK-1
		3.94/100.1		2	GRK-2M	GRK-2
		4.88/124.0		3	GRK-3M	GRK-3
	Sealing ②	3.38/85.9		1	GRK-1SC	GRK-1SC-A
		3.94/100.1		2	GRK-2SC	GRK-2SC-A
		4.88/124.0		3	GRK-3SC	GRK-3SC-A
	2" Deep Dome UL Listed: E185964	3.38/85.9		1	—	GRK-1DC
	Union Hub	3.38/85.9	0.75/19.1	1	GRK-75U	GRK-75UA
	Hub	3.38/85.9	0.50/12.7	1	GRK-50	GRK50-A
		3.38/85.9	0.75/19.1	1	GRK-75	GRK75-A
	Canopy Length 4-1/2"	3.38/85.9	0.50/12.7	1	GRK-50C	—
		3.38/85.9	0.75/19.1	1	GRK-75C	—
		3.38/85.9	1.00/25.4	1	GRK-100C	—
					Catalog Number	
	O-Rings — Buna-N					
	Provide Raintight fit when used on following series: GR (Forms 1, 2 and 3), GRF (Form 1), GRH, and GRU (Form 1).			1	GRG-1	
				2	GRG-2	
			3	GRG-3		
	GRTB Terminal Strip					
	For use in standard GR series boxes Weidmuller type MK terminal block ③ with wire range of #22-#12 AWG. Mounts on 2 predrilled and tapped standard holes (furnished in internal GR boxes).					
	6 position terminal block kit			1+2	GRTB6-12	
	6 position terminal block kit			3	GRTB6-3	
12 position terminal block kit			3	GRTB12-3		

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

① Form numbers designate cover and matching body sizes.

② PVC coating available, add suffix -PVC to catalog number.

③ Terminal block is UL listed for 300 Volt, 25 Amp. CSA certified for 300 Volt, 13 Amp.

GRH Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

Class I, Division 1 and 2, Groups A, B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 4

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Designed for use in Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; and Class III.
- Internally threaded body with externally threaded covers.
- Standard O-rings provide raintight fit. NEMA 3, 4.
- Internal ground screw standard.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Body: malleable iron
- Cover: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

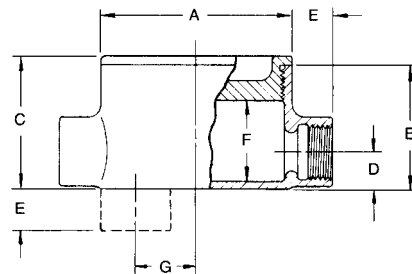
- Body: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cover: epoxy powder coat

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

Hub Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Catalog Number Malleable Iron
	1/2	3.38/85.9	13.8/0.23	GRHC50
	3/4	3.38/85.9	13.8/0.23	GRHC75
	1	3.38/85.9	13.8/0.23	GRHC100
	1/2	3.38/85.9	13.8/0.23	GRHL50
	3/4	3.38/85.9	13.8/0.23	GRHL75
	1	3.38/85.9	13.8/0.23	GRHL100
	1/2	3.38/85.9	13.8/0.23	GRHLB50
	3/4	3.38/85.9	13.8/0.23	GRHLB75
	1	3.38/85.9	13.8/0.23	GRHLB100
	1/2	3.38/85.9	13.8/0.23	GRHT50
	3/4	3.38/85.9	13.8/0.23	GRHT75
	1	3.38/85.9	13.8/0.23	GRHT100
	1/2	3.38/85.9	13.8/0.23	GRHX50
	3/4	3.38/85.9	13.8/0.23	GRHX75
	1	3.38/85.9	13.8/0.23	GRHX100

Dimensions in Inches/Millimeters



Hub Size (Inches)	A	B	C	D	E	F	G
1/2	3.75/ 95.3	2.44/ 62	2.63/ 66.8	0.75/ 19.1	0.81/ 20.6	1.63/ 41.4	1.25/ 31.8
	3.75/ 95.3	2.44/ 62	2.63/ 66.8	0.75/ 19.1	0.81/ 20.6	1.63/ 41.4	1.25/ 31.8
3/4	3.75/ 95.3	2.44/ 62	2.63/ 66.8	0.75/ 19.1	0.81/ 20.6	1.63/ 41.4	1.25/ 31.8
	3.75/ 95.3	2.44/ 62	2.63/ 66.8	0.94/ 23.9	0.94/ 23.9	1.63/ 41.4	1.06/ 26.9

GRSS Conduit Outlet Boxes with Multiple Hubs

Explosionproof, Dust-Ignitionproof

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

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

Applications

- Complies with 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 runs.
- Provide access for maintenance.

Features

- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Multiple hubs permit flexibility.
- Copperfree aluminum body and cover provide superior corrosion resistance.
- Internal ground screw standard.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum

Standard Finishes


- Epoxy powder coat


Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 025875

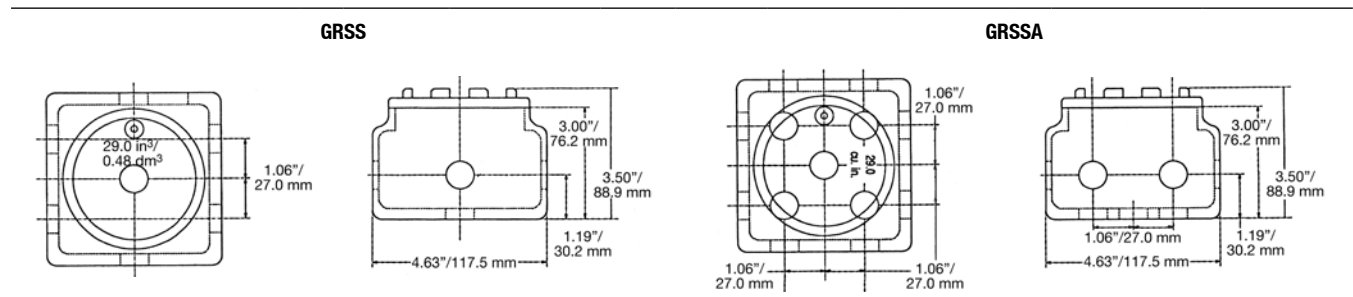
Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Box Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Hubs	Plugs	Capacity in ³ /dm ³	Catalog Number ♦	
GRSS Outlet Box with Cover							
	<i>Internally threaded aluminum bodies with externally threaded aluminum form 1 covers. Has 7 hubs; 2 on each of the sides, 1 on the top, 1 on the bottom and 1 on the center in the back. Furnished with 4 close-up plugs and O-Ring.</i>						
	GRSS	1/2	3.38/85.9	7	4	29.0/0.48	GRSS50
		3/4	3.38/85.9	7	4	29.0/0.48	GRSS75
	1	3.38/85.9	7	4	29.0/0.48	GRSS100	

GRSSA Outlet Box with Cover							
	<i>Internally threaded aluminum bodies with externally threaded aluminum form 1 covers. Has 13 hubs; 2 on each side, 2 each on top and bottom and 5 in the back. Furnished with 5 close-up plugs and O-Ring.</i>						
	GRSSA	1/2	3.38/85.9	13	5	29.0/0.48	GRSSA50
		3/4	3.38/85.9	13	5	29.0/0.48	GRSSA75

Dimensions



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

CPU Universal Conduit Outlet Boxes and Covers

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit.

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Universal design with four threaded universal hubs and three close-up plugs.
- Serve as mounting outlets for lighting fixtures when used with hub cover.
- Wide, accurately ground explosion-proof mating surfaces.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers : malleable iron
- Connection block: phenolic

Standard Finishes

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

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

Box Type	Conduit Size (Inches)	Fixture Stem Size Inches	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Catalog Number
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CPU Box with Blank Cover

Furnished with four threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and three 1/2" close-up plugs.



1/2 or 3/4	Blank	3.81/96.8	21.0/0.34	CPU20
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CPU Box with Hub Cover

(Supports lbs – 112.5 kg. Furnished with four threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and three 1/2" close-up plugs.



1/2 or 3/4	1/2	3.81/96.8	21.0/0.34	CPU20-50
1/2 or 3/4	3/4	3.81/96.8	21.0/0.34	CPU20-75

CPU Covers only

Furnished with fastening screws.



Cover	Blank	3.81/96.8	21.0/0.34	CPSK20B
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Hub Covers	1/2	3.81/96.8	21.0/0.34	CPSK20-50
	3/4	3.81/96.8	21.0/0.34	CPSK20-75

CPU Connection Block

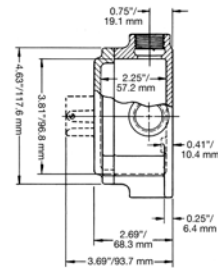
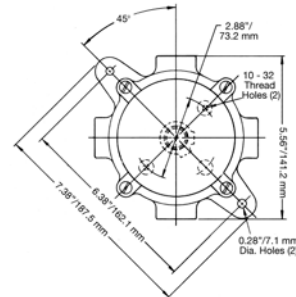
Phenolic. With fastening strap and two mounting screws.

5-Wire, 20 Amp, 300 Volt

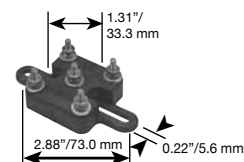
CB205

Dimensions

CPU Box with Cover



Connection Block



CPU Universal Conduit Outlet Boxes and Covers

CSA Certification Only. Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups C, D
 Class I, Zone 1 and 2, IIB T6
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 3

Applications

- Complies with 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 runs.
- 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.
- Universal design with four threaded universal hubs and three close-up plugs.
- Serve as mounting outlets for lighting fixtures when used with hub cover.
- Wide, accurately ground explosion-proof mating surfaces.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers : malleable iron or copperfree (4/10 of 1% max.) aluminum
- Connection block: phenolic

Standard Finishes

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

Options

- To order with CB205 connection block installed add suffix **-CB**.

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

Box Type	Conduit Size (Inches)	Fixture Stem Size Inches	Cover Opening Inches/ Millimeters	Capacity in ³ /dm ³	Catalog Number	
					Malleable Iron	Aluminum

CPU Box with Blank Cover

Furnished with four threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and three 1/2" close-up plugs. To order with CB205 connection block installed add suffix **-CB**.



1/2 or 3/4	Blank	3.81/96.8	21.0/0.34	CPU20CN	CPU20ACN
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CPU Box with Hub Cover

(Supports lbs – 112.5 kg. Furnished with four threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and three 1/2" close-up plugs. To order with CB205 connection block installed add suffix **-CB**.



1/2 or 3/4	1/2	3.81/96.8	21.0/0.34	CPU20-50CN	CPU20-50ACN
1/2 or 3/4	3/4	3.81/96.8	21.0/0.34	CPU20-75CN	CPU20-75ACN

CPU Covers only

Furnished with fastening screws.



Cover	Blank	3.81/96.8	21.0/0.34	CPSK20BCN	CPSK20B-ACN
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Hub Covers	1/2	3.81/96.8	21.0/0.34	CPSK20-50CN	CPSK20-50ACN
	3/4	3.81/96.8	21.0/0.34	CPSK20-75CN	CPSK20-75ACN

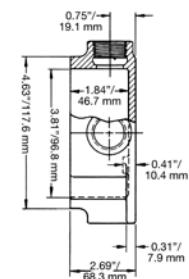
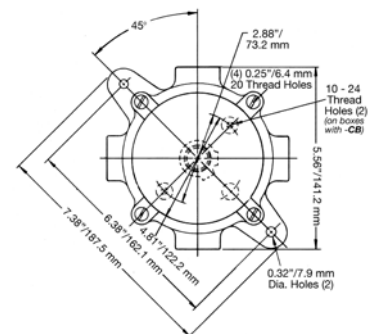
CPU Connection Block — With fastening strap and two mounting screws



5-Wire, 20 Amp, 300 Volt	CB205CN
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Dimensions

CPU Box with Cover



 CSA Certification Only.

GRU Universal Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- Provide access for maintenance.

Features

- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Universal design with five threaded universal hubs and three close-up plugs.
- Copperfree aluminum body and cover provide resistance to corrosive atmospheres.
- Internally threaded body and externally threaded cover with O-ring for raintight fit, NEMA 3, 4.
- Covers have pry notches for bar or wrench.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum


Standard Finishes

- Bodies and covers: epoxy powder coat

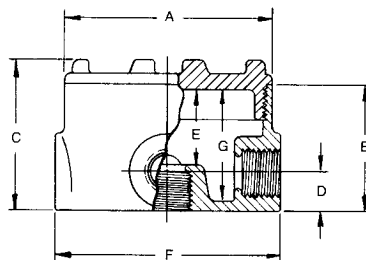
Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 025875

Furnished with externally threaded aluminum surface cover, O-Ring, five threaded hubs, and three close-up plugs.
 For Form numbers designate body and matching cover sizes.

	Conduit Size (Inches)	Cover Body Opening Inches/Millimeters	Capacity in ³ /dm ³	Form Number	Catalog Number
	1/2	3.38/85.9	13.5/0.22	1	GRU50-A
	3/4	3.38/85.9	13.5/0.22	1	GRU75-A
	1	3.38/85.9	17.5/0.29	1	GRU100-A *

Dimensions



Hub Size Inches	Dimensions in Inches/Millimeters						
	A	B	C	D	E	F	G
1/2	3.75/95.3	2.25/57.2	2.69/68.3	0.69/17.5	1.38/35.1	4.06/103.1	2.00/50.8
3/4	3.75/95.3	2.25/57.2	2.69/68.3	0.69/17.5	1.38/35.1	4.06/103.1	2.00/50.8
1	3.75/95.3	2.44/62.0	2.88/73.2	0.94/23.9	1.44/36.6	5.44/138.2	2.19/55.6

* Not CSA Certified.

GRUE Universal Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

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

Applications

- Complies with 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 runs.
- Provide access for maintenance.

Features

- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Universal design with five threaded universal hubs and three close-up plugs.
- Copperfree aluminum body and cover provide resistance to corrosive atmospheres.
- Covers have pry notches for bar or wrench.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum


Standard Finishes

- Bodies and covers: epoxy powder coat

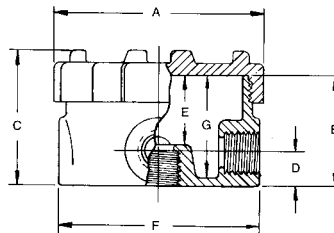
Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

Furnished with internally threaded aluminum surface cover, five threaded hubs, and three close-up plugs.
 For Form numbers designate body and matching cover sizes.

	Conduit Size (Inches)	Cover Body Opening Inches/Millimeters	Capacity in ³ /dm ³	Catalog Number
	1/2	3.38/85.9	13.5/0.22	GRUE50-A
	3/4	3.38/85.9	13.5/0.22	GRUE75-A
	1	3.38/85.9	17.5/0.29	GRUE100-A *

Dimensions



Hub Size Inches	Dimensions in Inches/Millimeters						
	A	B	C	D	E	F	G
1/2	4.25/108.0	2.25/57.2	2.75/69.9	0.69/17.5	1.44/36.6	4.06/103.1	2.06/52.3
3/4	4.25/108.0	2.25/57.2	2.75/69.9	0.69/17.5	1.44/36.6	4.06/103.1	2.06/52.3
1	4.25/108.0	2.44/62.0	3.00/76.2	0.94/23.9	1.50/38.1	5.44/138.2	2.25/57.2

* Not CSA Certified.

GRUE Universal Conduit Outlet Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof

GRUE-100 Series UNILETS® for 1/2", 3/4" and 1" threaded metal conduit. GRUE-200 Series UNILETS® for 1-1/4", 1-1/2" and 2" threaded metal conduit.

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, IIB + H₂ T6
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 3

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- Provide access for maintenance.

Features

- Accurately tapped, tapered hub threads for tight, rigid joints and ground continuity.
- Furnished with covers.
- General purpose wiring.
- Universal design with five threaded universal hubs and three close-up plugs.
- Copperfree aluminum body and cover provide resistance to corrosive atmospheres.
- GRUE-100 Series functions as sealing fittings when used with sealing covers (see CEC for restrictions).

- Covers have pry notches for bar or wrench.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers : malleable iron or copperfree (4/10 of 1% max.) aluminum

Standard Finishes

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

Options

- GRUE-100 Series
 — To order GRUE-100 Series universal junction box complete with sealing cover add suffix **-SC**.

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

	Conduit Size (Inches)	Hub Configuration	Catalog Number	
			Malleable Iron	Aluminum

GRUE-100 Series Universal Junction Box

Furnished with internally threaded surface cover, five threaded hubs and three close-up plugs. To order GRUE-100 Series junction box complete with sealing cover add suffix **-SC**.



1/2

GRUE50CN

GRUE50-ACN

3/4

XP

GRUE75CN

GRUE75-ACN

1

GRUE100CN

GRUE100-ACN

GRUE-100 Series Sealing Cover

Sealing cover for GRUE-100 Series junction boxes listed above.

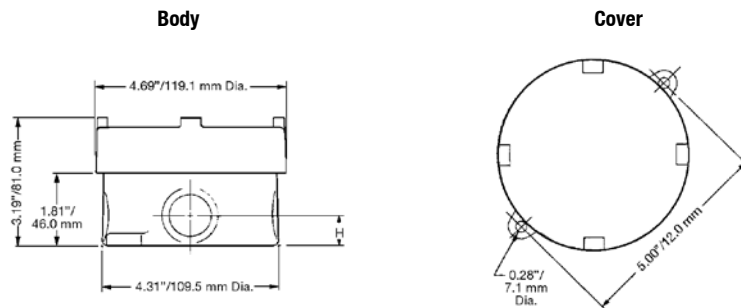


GRUC-SC-F

GRUC-SC

GRUE-100 Dimensions

Hub Size Inches	Dimensions in Inches/Millimeters	
		H
1/2		0.75/19.1
3/4		0.75/19.1
1		0.88/22.2



 CSA Certification Only.

GRUE Universal Conduit Outlet Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof

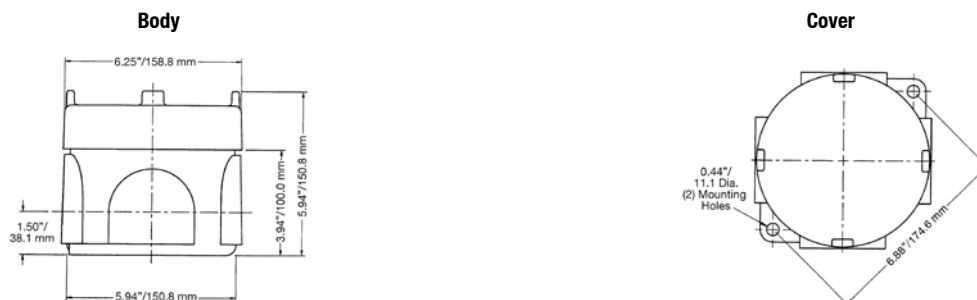
GRUE-200 Series UNILETS® for 1-1/4", 1-1/2" and 2" threaded metal conduit.

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, IIB + H₂ T6
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 3

Conduit Size (Inches)	Hub Configuration	Catalog Number	
		Malleable Iron	Aluminum
GRUE-200 Series			
<i>Furnished with internally threaded surface cover. Entries are supplied as listed.</i>			
1-1/4	C	GRUE-125C	GRUE-125C-A
1-1/2		GRUE-150C	GRUE-150C-A
2		GRUE-200C	GRUE-200C-A
1-1/4	CB	GRUE-125CB	GRUE-125CB-A
1-1/2		GRUE-150CB	GRUE-150CB-A
2		GRUE-200CB	GRUE-200CB-A
1-1/4	E	GRUE-125E	GRUE-125E-A
1-1/2		GRUE-150E	GRUE-150E-A
2		GRUE-200E	GRUE-200E-A
1-1/4	L	GRUE-125L	GRUE-125L-A
1-1/2		GRUE-150L	GRUE-150L-A
2		GRUE-200L	GRUE-200L-A
1-1/4	LB	GRUE-125LB	GRUE-125LB-A
1-1/2		GRUE-150LB	GRUE-150LB-A
2		GRUE-200LB	GRUE-200LB-A
1-1/4	T	GRUE-125T	GRUE-125T-A
1-1/2		GRUE-150T	GRUE-150T-A
2		GRUE-200T	GRUE-200T-A
1-1/4	TB	GRUE-125TB	GRUE-125TB-A
1-1/2		GRUE-150TB	GRUE-150TB-A
2		GRUE-200TB	GRUE-200TB-A
1-1/4	X	GRUE-125X	GRUE-125X-A
1-1/2		GRUE-150X	GRUE-150X-A
2		GRUE-200X	GRUE-200X-A
1-1/4	XB	GRUE-125XB	GRUE-125XB-A
1-1/2		GRUE-150XB	GRUE-150XB-A
2		GRUE-200XB	GRUE-200XB-A



GRUE-200 Dimensions



 CSA Certification Only.

GRJS Universal Conduit Outlet Box

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit.

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Universal design with five threaded openings and three close-up plugs.
- Compact round box for use where space is limited.
- Serve as mounting means for lighting fixtures when used with hub cover.
- Internally threaded body with externally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies: malleable iron
- Covers: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

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

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

Box Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Catalog Number
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GRJS Universal Box with Cover

Internally threaded malleable iron body with externally threaded aluminum surface cover. Complete with five threaded universal openings and three close-up plugs.



1/2	2.56/65.0	7.3/0.12	GRJS50
3/4	2.56/65.0	7.3/0.12	GRJS75
1	2.56/65.0	7.3/0.12	GRJS100

GRJS Aluminum Covers



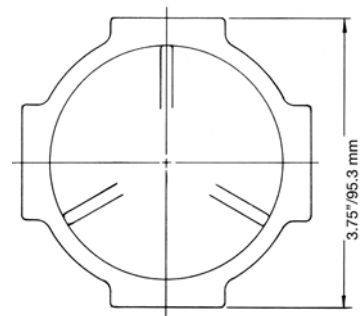
Surface	2.56/65.0	7.3/0.12	GRJSK
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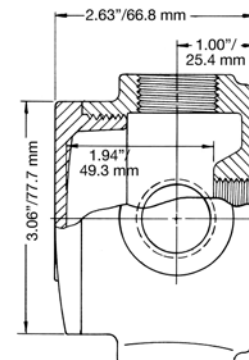
Hub	1/2	2.56/65.0	7.3/0.12	GRJSK-50
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Dimensions

Top



Side



GRJS Universal Conduit Outlet Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Weather Resistant (Raintight)

UNILETS® for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups C, D
 Class I, Zone 1 and 2, IIB T6
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 3

Applications

- Complies with 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 runs.
- 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.
- Universal design with five threaded openings and three close-up plugs.
- Compact round box for use where space is limited.
- Serve as mounting means for lighting fixtures when used with hub cover.
- Function as sealing fittings when used with sealing covers (see CEC for restrictions).
- Internally threaded body with externally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Covers: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

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

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

	Conduit Size (Inches)	Catalog Number	
		Malleable Iron	Aluminum

GRJS Universal Box with Cover




The Unilet has five threaded hubs, one in each of four sides and one in bottom. Three close-up plugs are furnished. Unilet opening is 2-9/16". Furnished with externally threaded blank surface cover and three close-up plugs. Supplied with O-Ring.



1/2	GRJS50CN	GRJS50-ACN
3/4	GRJS75CN	GRJS75-ACN
1	GRJS100CN	GRJS100-ACN

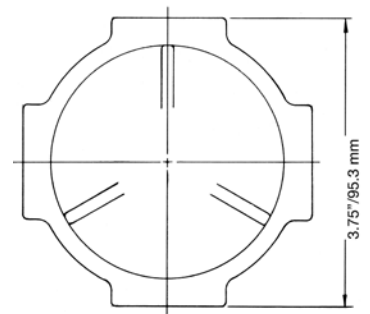
GRJS Aluminum Covers

Furnished with internal threads.

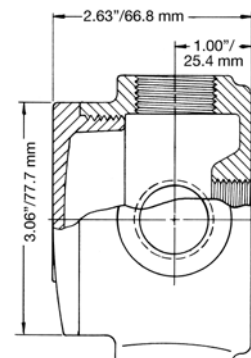
	Surface Cover	GRJSKCN
	Sealing Cover	GRJSK-SCCN
	1/2" Hub Cover	GRJSK-50CN

Dimensions

Top



Side



 CSA Certification Only.

GRJ Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Small, round conduit outlet boxes.
- Externally threaded body with internally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers: malleable iron

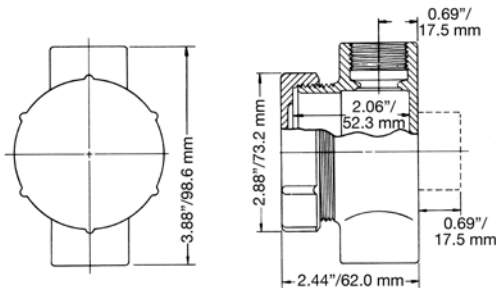
Standard Finishes









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

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

Dimensions



Box Type	Conduit Size (Inches)	Cover Opening in/mm	Capacity in ³ /dm ³	Catalog Number
GRJ Box with Cover				
 GRJC	1/2	2.13/54.1	7.3/0.12	GRJC50
	3/4	2.13/54.1	7.3/0.12	GRJC75
 GRJCA	1/2	2.13/54.1	7.3/0.12	GRJCA50
	3/4	2.13/54.1	7.3/0.12	GRJCA75
 GRJEA	1/2	2.13/54.1	7.3/0.12	GRJEA50
	3/4	2.13/54.1	7.3/0.12	GRJEA75
 GRJL	1/2	2.13/54.1	7.3/0.12	GRJL50
	3/4	2.13/54.1	7.3/0.12	GRJL75
 GRJT	1/2	2.13/54.1	7.3/0.12	GRJT50
	3/4	2.13/54.1	7.3/0.12	GRJT75
 GRJTA	1/2	2.13/54.1	7.3/0.12	GRJTA50
	3/4	2.13/54.1	7.3/0.12	GRJTA75
 GRJX	1/2	2.13/54.1	7.3/0.12	GRJX50
	3/4	2.13/54.1	7.3/0.12	GRJX75
GRJ Covers				
 GRJ Surface Covers		2.13/54.1		GRJK-S

GRJ Conduit Outlet Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Weather Resistant (Raintight)

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

Class I, Division 1 and 2, Groups C, D
 Class I, Zone 1 and 2, IIB T6
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 3

Applications

- Complies with 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 runs.
- 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.
- Small, round conduit outlet boxes.
- Bodies have external threads around cover opening, and the covers are threaded internally. Unilet opening is 2-1/8".
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.
- Function as sealing fittings when used with sealing covers (see CEC for restrictions).

Standard Materials

- Bodies and covers: malleable iron

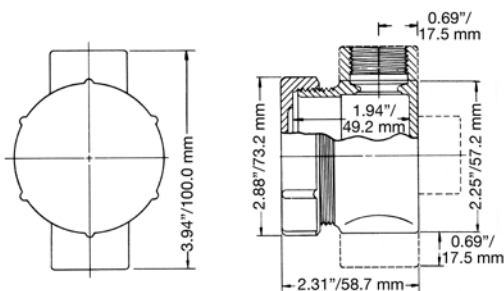
Standard Finishes

- Bodies and covers: zinc electroplate

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

Dimensions



	Box Type	Conduit Size (Inches)	Catalog Number
GRJ Box with Cover			
<i>Furnished with internally threaded surface cover.</i>			
	GRJC	1/2	GRJC50CN
		3/4	GRJC75CN
	GRJCA <i>Includes a rear hub.</i>	1/2	GRJCA50CN
		3/4	GRJCA75CN
	GRJEA <i>Includes a rear hub.</i>	1/2	GRJEA50CN
		3/4	GRJEA75CN
	GRJL	1/2	GRJL50CN
		3/4	GRJL75CN
	GRJT	1/2	GRJT50CN
		3/4	GRJT75CN
	GRJTA <i>Includes a rear hub.</i>	1/2	GRJTA50CN
		3/4	GRJTA75CN
	GRJX	1/2	GRJX50CN
		3/4	GRJX75CN
GRJ Covers			
<i>Furnished with internal threads.</i>			
	Surface Cover		GRJK-SCN
GRJK-SCN	Sealing Cover		GRJK-SCCN

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

 CSA Certification Only.

GRUO with Multiple Hubs Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit.

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Union hubs permit easy wiring.
- Externally threaded body with internally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials



- Bodies and covers: malleable iron

Standard Finishes

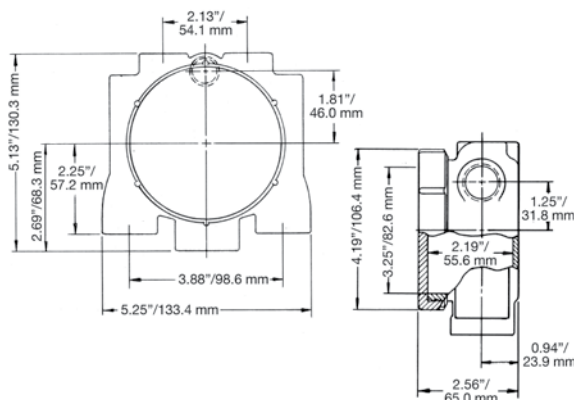
- Bodies and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 25
- CSA Certified: 013017, 025875

	Number and Size of Hubs				Capacity in ³ /dm ³	Catalog Number
	Each Side	Top	Bottom	Back		
 <p>GRUO Box with Cover</p> <p><i>Externally threaded malleable iron body complete with internally threaded malleable iron surface cover; eight conduit hubs and close-up plugs for all but three 3/4" hubs. Cover opening — 3.25"/82.6 mm</i></p>	1 — 3/4"	2 — 3/4"	2 — 3/4"	1 — 3/4"	25.0/0.41	GRUO-2
			1 — 1"		25.0/0.41	
 <p>GRU Covers</p> <p><i>Malleable iron with internal threads. Cover opening — 3.25"/82.6 mm</i></p>	Surface					GRUK-S

Dimensions



GRUJ Conduit Outlet Boxes with Multiple Hubs

Explosionproof, Dust-Ignitionproof

UNILETS® for use with Threaded Metal Conduit.

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

Applications

- Complies with 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 runs.
- 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.
- Union hubs permit easy wiring.
- Externally threaded body with internally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.

Standard Materials

- Bodies and covers: malleable iron

Standard Finishes



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

Certifications and Compliances

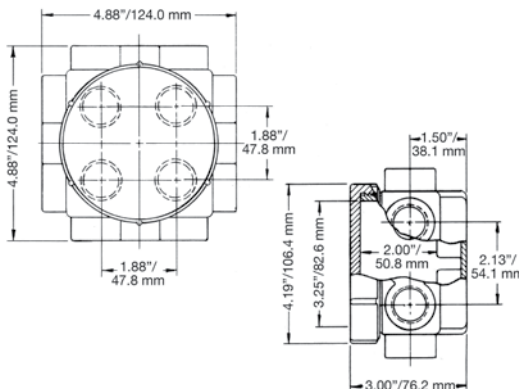
- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

	Each Side	Number and Size of Hubs			Capacity in ³ /dm ³	Catalog Number
		Top	Bottom	Back		
GRUJ Box with Cover						
<i>Externally threaded malleable iron body complete with internally threaded malleable iron surface cover; choice of hub arrangements, furnished with close-up plugs for all but three 3/4" hubs. Cover opening—3.25"/82.6 mm</i>						
	2 — 3/4"	2 — 3/4"	1 — 3/4"	None	25.0/0.41	GRUJ-1P
	2 — 3/4"	2 — 3/4"	1 — 3/4"	4 — 3/4"	25.0/0.41	GRUJ-2P
	2 — 3/4"	2 — 3/4"	1 — 3/4"	4 — 1"	25.0/0.41	GRUJ-3P
GRU Covers						
<i>Malleable iron with internal threads. Cover opening—3.25"/82.6 mm.</i>						
	Surface					GRUK-S

Dimensions



GRU Conduit Outlet Boxes with Union Hubs

Explosionproof, Dust-Ignitionproof

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

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Union hubs permit easy wiring.
- Externally threaded body with internally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation

Standard Materials




- GRUT and GRUSE bodies and covers: malleable iron
- GRUSE body and cover: copper free (4/10 of 1% max) aluminum.

Standard Finishes

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

Certifications and Compliances

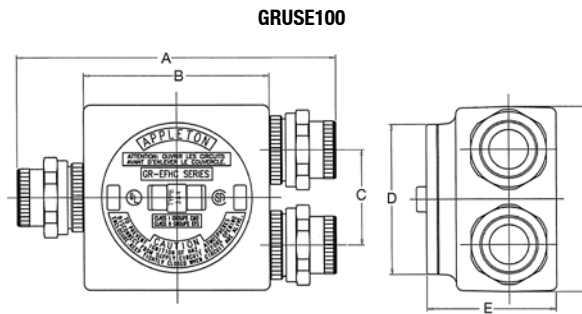
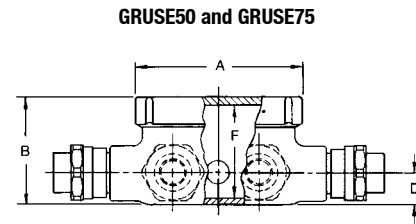
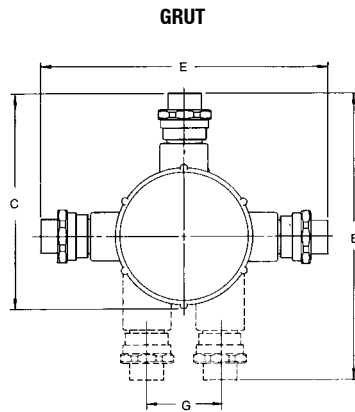
- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444

	Box Type	Conduit Size (Inches)	Cover Opening Inches/Millimeters	Capacity in ³ /dm ³	Catalog Number	
					Malleable Iron	Aluminum
GRU with Union Hubs						
<i>GRUT 1/2" thru 1" and GRUSE 1/2" thru 3/4" — Malleable iron externally threaded body complete with internally threaded malleable iron surface cover.</i>						
<i>GRUSE 1" — Copper free aluminum cover and body with externally threaded cover.</i>						
	GRUT	1/2	3.25/82.6	19.0/0.31	GRUT50	—
		3/4	3.25/82.6	19.0/0.31	GRUT75	—
		1	3.25/82.6	19.0/0.31	GRUT100	—
	GRUSE	1/2	3.25/82.6	19.0/0.31	GRUSE50	—
		3/4	3.25/82.6	19.0/0.31	GRUSE75	—
		1	3.75/95.3	29.0/0.48	—	GRUSE100
GRU Covers						
<i>Malleable iron with internal threads. For GRUT and GRUSE listed above. Do not use with GRUSE100.</i>						
	Surface			3.25/0.05	GRUK-S	—

GRU Conduit Outlet Boxes with Union Hubs Dimensions

Explosionproof, Dust-Ignitionproof

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



Hub Size (Inches)	Dimensions in Inches/Millimeters						
	A	B	C	D	E	F	G
GRUT							
1/2	4.19/106.4	2.69/68.3	6.25/158.8	0.75/19.1	8.25/209.6	2.31/58.7	—
3/4	4.19/106.4	2.69/68.3	6.25/158.8	0.75/19.1	8.25/209.6	2.31/58.7	—
1	4.19/106.4	2.69/68.3	6.50/165.1	0.94/23.9	8.75/222.3	2.31/58.7	—
GRUSE50 and GRUSE75							
1/2 and 3/4	4.19/106.4	2.56/65.0	6.13/155.7	0.94/23.9	8/203.2	2.19/55.6	2.13/54.1
GRUSE100							
—	8.00/203.2	4.63/117.6	2.38/60.5	3.75/95.3	3.48/88.4	4.63/117.6	—

GU Conduit Outlet Boxes

Explosionproof, Dust-Ignitionproof

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

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

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION CONDUIT OUTLET BOXES

Applications

- Complies with 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 runs.
- 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.
- Designed for Class I, Groups B, C, D; Class II, Groups E, F, G; and Class III.
- Externally threaded body with internally threaded cover.
- Smooth, rounded integral bushing in each hub type box protects conductor insulation.
- Internal ground screw standard.

Standard Materials


- Bodies and covers: malleable iron

Standard Finishes

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

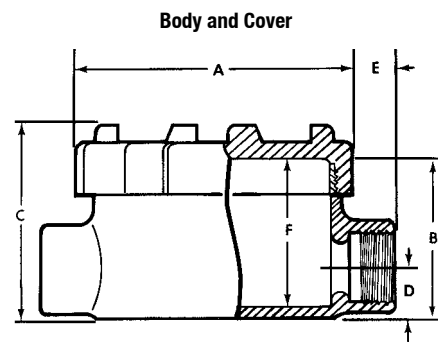
Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 025875

	Hub Type	Conduit Size (Inches)	Cover Opening in/mm	Capacity in ³ /dm ³	Catalog Number ♦
		1/2	3.38/98.6	19.0/0.31	GUC50
		3/4	3.38/98.6	19.0/0.31	GUC75
		1	3.38/98.6	19.0/0.31	GUC100
		1/2	3.38/98.6	19.0/0.31	GUL50
		3/4	3.38/98.6	19.0/0.31	GUL75
		1	3.38/98.6	19.0/0.31	GUL100
		1/2	3.38/98.6	19.0/0.31	GULB50
		3/4	3.38/98.6	19.0/0.31	GULB75
		1	3.38/98.6	19.0/0.31	GULB100
		1/2	3.38/98.6	19.0/0.31	GUT50
		3/4	3.38/98.6	19.0/0.31	GUT75
		1	3.38/98.6	19.0/0.31	GUT100
		1/2	3.38/98.6	19.0/0.31	GUX50
		3/4	3.38/98.6	19.0/0.31	GUX75
		1	3.38/98.6	19.0/0.31	GUX100

Dimensions

Hub Size (Inches)	Dimensions in Inches/Millimeters					
	A	B	C	D	E	F
1/2	4.28/108.7	2.44/62.0	2.97/75.4	0.75/19.1	0.81/20.6	2.25/57.2
3/4	4.28/108.7	2.44/62.0	2.97/75.4	0.75/19.1	0.81/20.6	2.25/57.2
1	4.28/108.7	2.44/62.0	2.97/75.4	0.94/23.9	0.94/23.9	2.25/57.2



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

BJE Series Octagonal Polycarbonate Junction Boxes

cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe II T6
Enclosure: IP66

Applications

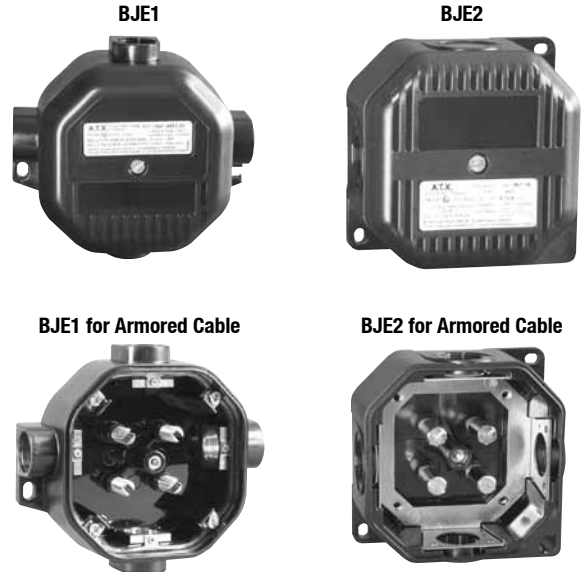
- Small terminal/junction box enclosure for various electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently, such as:
 - Petroleum refineries
 - Chemical refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas (international), where flammable dusts are present either continuously or intermittently, such as:
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities

Features

- High impact resistant black polycarbonate enclosure.
- Choose from two versions; external or internal hubs.
- BJE1: Supplied with 4 interconnected earth terminals. Maximum capacity per terminal: $0.002 \times 0.006 \text{ in}^2/1 \times 4 \text{ mm}^2$.
- BJE1 is supplied with 4 connection terminals. Maximum capacity per terminal: $0.006 \times 0.004 \text{ in}^2/4 \times 2.5 \text{ mm}^2$ or $0.003 \times 0.006 \text{ in}^2/2 \times 4 \text{ mm}^2 + 0.003 \times 0.004 \text{ in}^2/2 \times 2.5 \text{ mm}^2$. Minimum capacity per terminal: $0.003 \times 0.002 \text{ in}^2/2 \times 1.5 \text{ mm}^2$. Available in three depths, 7.87"/200 mm, 9.84"/250 mm and 11.81"/300 mm.
- BJE2: Supplied with 4 interconnected earth terminals. Maximum capacity per terminal: $0.002 \times 0.016 \text{ in}^2/1 \times 10 \text{ mm}^2$.
- BJE2 is supplied with 4 connection terminals. Maximum capacity per terminal: $0.006 \times 0.009 \text{ in}^2/4 \times 6 \text{ mm}^2$ or $0.005 \times 0.016 \text{ in}^2/3 \times 10 \text{ mm}^2 + 0.006 \text{ in}^2/4 \text{ mm}^2$.
- BJE2 has telescopic cover retaining ring which can be unclipped.
- All hardware 316 Stainless Steel.
- Available for non-armored or armored cable. Armored cable version supplied with ground continuity plate.
- Several entry options available.
- Operating temperature:
 - BJE1: $-58 \text{ }^\circ\text{F}/-50 \text{ }^\circ\text{C}$ to $+131 \text{ }^\circ\text{F}/+55 \text{ }^\circ\text{C}$
 - BJE2: $-40 \text{ }^\circ\text{F}/-40 \text{ }^\circ\text{C}$ to $+131 \text{ }^\circ\text{F}/+55 \text{ }^\circ\text{C}$
- Poured in place polyurethane door gasket.

Standard Materials

- Enclosure: static and impact resistant polycarbonate
- Hardware: 316L stainless steel



Certifications and Compliances



- North American
 - CEC/NEC
 - cCSAus Approved
 - Zone 1 and 2 A/Exe II T6
 - Enclosure IP66
- International
 - CENELEC
 - ATEX O2 6069 /99 6003
 - EEx e II G/D T6
 - IEC 60049-0/7
 - Ex e II T6
 - IP66 to EN60529 and IEC 60529
 - IK10 to EN 50102
 - CE Declaration of Conformity: No. 50226/50209
 - Combustible Dust: EN 50281-1-1/IEC
 - 61241-1-1
 - Zone 1, 2, 21, 22

BJE Series Octagonal Polycarbonate Junction Boxes



cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe II T6
Enclosure: IP66

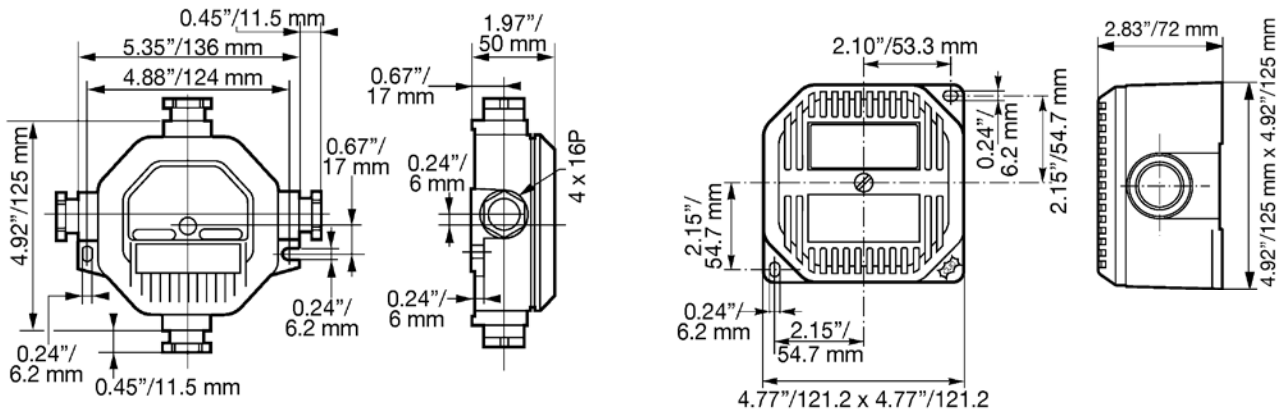
Armored Enclosures — Supplied with Two Plugs

	Entry	Entries	Size	Plug	Weight lb/kg	Volume	Catalog Number
	No	4	PG16	Knockouts	0.88/0.4	122.04/2.0	BJE1TN4P16
	Yes	4	M20	2-M20	1.10/0.5	122.04/2.0	BJE1TA4M20
	No	3	M20	No	1.32/0.6	274.60/4.5	BJE2TN3M20
	No	4	M20	No	1.32/0.6	274.60/4.5	BJE2TN4M20
	No	3	M25	No	1.32/0.6	274.60/4.5	BJE2TN3M25
	No	4	M25	No	1.32/0.6	274.60/4.5	BJE2TN4M25
	Yes	4	M20	2-M20	1.32/0.6	274.60/4.5	BJE2TA4M20
	Yes	4	M25	2-M25	1.32/0.6	274.60/4.5	BJE2TA4M25

Nickel Plated Adapters

Description	Catalog Number
 M20 to 1/2" NPT adapter for armored box	737EM2T15
 M20 to 3/4" NPT adapter for armored box	737EM2T25
M25 to 3/4" NPT adapter for armored box	737EM3T25
M25 to 1" NPT adapter for armored box	737EM3T35

Dimensions in Inches/Millimeters



BJE1TA4M20

BJE2TA4M20

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES — CABLE

A.T.X.[®] JBEL and JBEP Series Polycarbonate and Polyester Junction Boxes

Increased Safety

Furnished complete with Terminals.

Zone 1 and 2 – 21 and 22

⊕ II 2 GD
ATEX / IEC
IP66 – IK10

Applications

- Small terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities

Features

- Pillar type terminal block for easy connection.
- Available in two sizes: 0.006 in²/4 mm² or 0.016 in²/10 mm² for polycarbonate version and up to 0.009 in²/6 mm² for polyester version.
- Unarmored or armored versions with earth continuity brass device.
- Operating temperature -40 °F/-40 °C to 131 °F/55 °C for polycarbonate version and -67 °F/-55 °C to 140 °F/60 °C for polyester version.

Standard Materials

- JBEL Series
 - Enclosure: static and impact resistant polycarbonate
 - Cover gasket: polyurethane
 - Hardware: stainless steel
- JBEP Series
 - Enclosure: static resistant carbon filled fiberglass reinforced polyester (FRP)
 - Hardware: stainless steel

Certifications and Complies

- Certification Type BJe1
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e II
 - T Rating: T6
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex td A21
 - Surface Temperature: T75 °C
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50226
 - ATEX Certificate: LCIE 02 ATEX 6069
 - IECEx Certificate: LCIE Ex 02.008
- Certification Type BJe2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e II
 - T Rating: T6
 - 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
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50209

JBEL for Unarmored Cable



JBEL for Armored Cable



JBEP with Pillar Terminals



JBEP with Screw Terminals



- ATEX Certificate: LCIE 99 ATEX 6003
- IECEx Certificate: LCIE Ex 99.005
- Certification Type CSPe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC, EX de IIC,
 - T Rating: T6
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex td A21
 - Surface Temperature: T75 °C
 - Ambient Temperature: -67 °F/-55 °C to 140 °F/60 °C
 - CE Declaration of Conformity: 50284
 - ATEX Certificate: LCIE 09 ATEX 3032X
 - IECEx Certificate: IECx LCI 09.0016X
- Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-7; 61241-0, 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEL and JBEP Series Polycarbonate and Polyester Junction Boxes

Increased Safety

Furnished complete with Terminals.





Zone 1 and 2 – 21 and 22

II 2 GD

ATEX / IEC

IP66 – IK10

JBEL Series

Type	Equipment	Rating (Amps)	Weight lb/kg	Volume in ³ /dm ³	Catalog Number	Packs
For Unarmored Cables 0.004/0.006 in² / 2.5/4 mm² 660 V						
<i>Supplied with 4 connection terminals. Maximum capacity per terminal: 0.006 x 0.004 in² / 4 x 2.5 mm² or 0.003 x 0.004 in² / 2 x 4 mm² + 0.003 x 0.004 in² / 2 x 2.5 mm and 4 interconnected earth terminals. Maximum capacity per earth terminal: 0.001 x 0.004 in² / 1 x 4 mm²</i>						
	BJe1 4 x PG16 entries with knock-out caps † 4 x Integrated cable glands for unarmored cable (diameter 0.31" to 0.69"/8 to 16 mm) <i>Important: Cables must be secured to structure close to box entries</i>	28 A/ 0.004 in ² /2.5 mm ² 38 A/ 0.006 in ² /4 mm ²	0.88/0.4	103.74/1.7	JBEL1N4P16G	1
For Armored Cables 0.004/0.006 in² / 2.5/4 mm² 660 V						
<i>Supplied with 4 connection terminals. Maximum capacity per terminal: 0.006 x 0.004 in² / 4 x 2.5 mm² or 0.003 x 0.004 in² / 2 x 4 mm² + 0.003 x 0.004 in² / 2 x 2.5 mm and 4 interconnected earth terminals. Maximum capacity per earth terminal: 0.001 x 0.004 in² / 1 x 4 mm²</i>						
	BJe1 4 x M20 entries with earth brass continuity device 2 x blanking plugs	28 A/ 0.004 in ² /2.5 mm ² 38 A/ 0.006 in ² /4 mm ²	0.88/0.4	103.74/1.7	JBEL1A4M20	1
For Unarmored Cables 0.009/0.016 in² / 6/10 mm² 690 V						
<i>Supplied with 4 connection terminals. Maximum capacity per terminal: 0.004 x 0.009 in² / 4 x 6 mm² or 0.005 x 0.016 in² / 3 x 10 mm² + 0.004 / 4 mm² and 4 interconnected earth terminals. Maximum capacity per earth terminal: 0.001 x 0.016 in² / 1 x 10 mm²</i>						
	BJe2 3 x M20 entries 3 x cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		1.54/0.7	274.60/4.5	JBEL2N3M20G	1
	BJe2 4 x M20 entries 4 x cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)	42 A/ 0.016 in ² /10 mm ² 30 A/ 0.009 in ² /6 mm ²	1.54/0.7	274.60/4.5	JBEL2N4M20G	1
	BJe2 3 x M25 entries 3 x cable glands for unarmored cable (diameter 0.31" to 0.73"/8 to 18.5 mm)	18 A/ 0.006 in ² /4 mm ²	1.54/0.7	274.60/4.5	JBEL2N3M25G	1
	BJe2 4 x M25 entries 4 x cable glands for unarmored cable (diameter 0.31" to 0.73"/8 to 18.5 mm)		1.54/0.7	274.60/4.5	JBEL2N4M25G	1
For Armored Cables 0.009/0.016 in² / 6/10 mm² 690 V						
<i>Supplied with 4 connection terminals. Maximum capacity per terminal: 0.004 x 0.009 in² / 4 x 6 mm² or 0.005 x 0.016 in² / 3 x 10 mm² + 0.004 / 4 mm² and 4 interconnected earth terminals. Maximum capacity per earth terminal: 0.001 x 0.016 in² / 1 x 10 mm²</i>						
	BJe2 4 x M20 entries with earth brass continuity device. 2 x M20 blanking plugs		1.54/0.7	274.60/4.5	JBEL2A4M20	1
	BJe2 4 x M25 entries with earth brass continuity device. 2 x M25 blanking plugs	42 A/ 0.016 in ² /10 mm ² 30 A/ 0.009 in ² /6 mm ²	1.54/0.7	274.60/4.5	JBEL2A4M25	1
	BJe2 2 x M25 + 2 x M20 entries with earth brass continuity device. 1 x M25 + 1 x M20 blanking plugs	18 A/ 0.006 in ² /4 mm ²	1.54/0.7	274.60/4.5	JBEL2A4M05	1
	BJe2 3 x M25 + 1 x M20 entries with earth brass continuity device. 1 x M25 + 1 x M20 blanking plugs		1.54/0.7	274.60/4.5	JBEL2A4M06	1

† Knock-out caps can be used as plugs.

A.T.X.[®] JBEL and JBEP Series Polycarbonate and Polyester Junction Boxes









Increased Safety

Furnished complete with Terminals.

Zone 1 and 2 – 21 and 22

II 2 GD
ATEX / IEC
IP66 – IK10

JBEP Series With Pillar Terminals

Type	Equipment	Entry Layout	Weight lb/kg	Volume in ³ /dm ³	Catalog Number	Pack
Supplied with 4 connection terminals. Maximum capacity per terminal: 0.006 x 0.009 in² / 4 x 6 mm² – Rating 30 Amps						
CSPe1	2 x M20 at bottom with earth continuity device		2.20/1.0	244.09/4.0	JBEP3A2M20	1
CSPe1	2 x M20 at bottom with two cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/1.2	244.09/4.0	JBEP3N2M20G	1
CSPe1	4 x M20 with earth continuity device and two blanking plugs		2.65/1.2	244.09/4.0	JBEP3A4M20	1
CSPe1	4 x M20 with four cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/1.2	244.09/4.0	JBEP3N4M20G	1
Supplied with 8 connection terminals. Maximum capacity per terminal: 0.006 x 0.009 in² / 4 x 6 mm² – Rating 30 Amps						
CSPe2	4 x M20 with earth continuity device and two blanking plugs		3.09/1.4	244.09/4.0	JBEP4A4M20	1
CSPe2	4 x M20 with four cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/1.4	244.09/4.0	JBEP4N4M20G	1
CSPe2	6 x M20 with earth continuity device and two blanking plugs		3.09/1.4	244.09/4.0	JBEP4A6M20	1
CSPe2	6 x M20 with six cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/1.4	244.09/4.0	JBEP4N6M20G	1



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEL and JBEP Series Polycarbonate and Polyester Junction Boxes

Increased Safety

Furnished complete with Terminals.









Zone 1 and 2 – 21 and 22

II 2 GD

ATEX / IEC

IP66 – IK10

JBEP Series With Screw Terminals

Type	Equipment	Entry Layout	Weight lb/kg	Volume in ³ /dm ³	Catalog Number		Pack
					Standard Terminal	Terminals Jumped 2 by 2	
Supplied with 4 terminals and 2 earth terminals							
CSPe1	4 x M20 with earth continuity device and two blanking plugs		2.20/ 1.0	244.09/ 4.0	JBEP3A4M206	JBEP3A4M206J	1
CSPe1	4 x M20 with 4 cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/ 1.2	244.09/ 4.0	JBEP3N4M206G	JBEP3N4M206JG	1
CSPe1	4 x M20 with earth continuity device and two blanking plugs		2.20/ 1.0	244.09/ 4.0	JBEP3A4M2011	JBEP3A4M2011J	1
CSPe1	4 x M20 with 4 cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/ 1.2	244.09/ 4.0	JBEP3N4M2011G	JBEP3N4M2011JG	1
Supplied with 6 terminals and 3 earth terminals							
CSPe2	6 x M20 with earth continuity device and two blanking plugs		3.09/ 1.4	244.09/ 4.0	JBEP4A6M208	JBEP4A6M208J	1
CSPe2	6 x M20 with 4 cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/ 1.4	244.09/ 4.0	JBEP4N6M208G	JBEP4N6M208JG	1
Supplied with 12 terminals and 3 earth terminals							
CSPe2	6 x M20 with earth continuity device and two blanking plugs		3.09/ 1.4	244.09/ 4.0	JBEP4A6M2015	JBEP4A6M2015J	
CSPe2	6 x M20 with 4 cable glands for unarmored cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/ 1.4	244.09/ 4.0	JBEP4N6M2015G	JBEP4N6M2015JG	



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEL and JBEP Series Polycarbonate and Polyester Junction Box Dimensions

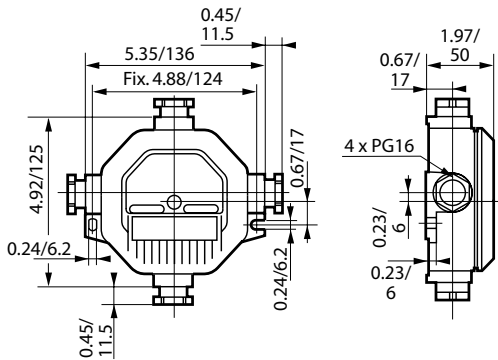
Increased Safety

Furnished complete with Terminals.

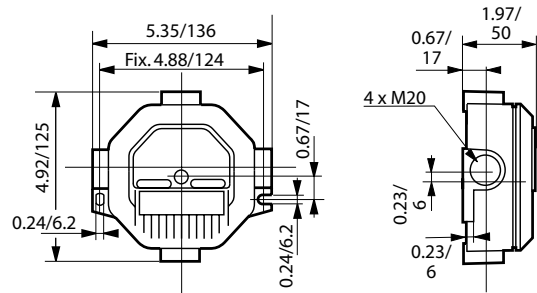
Dimensions in Inches/Millimeters

JBEL Series

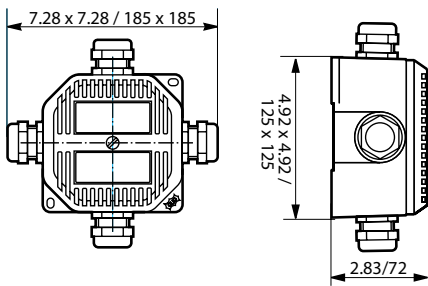
BJe1 with Cable Glands for Unarmored Cables



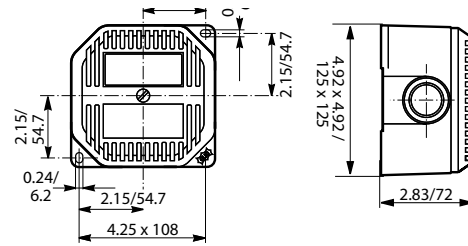
BJe1 without Cable Glands for Armored Cables



BJe2 with Cable Glands for Unarmored Cables

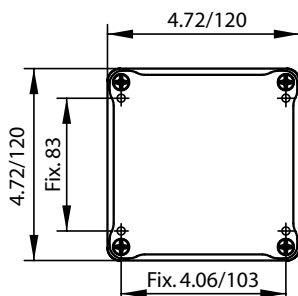


BJe2 without Cable Glands for Armored Cables

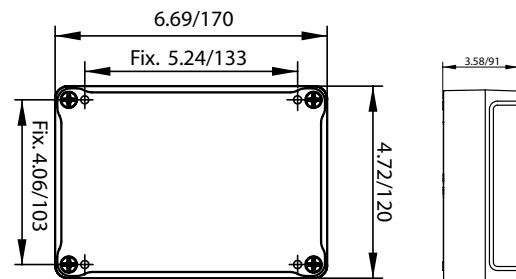


JBEP Series

CSPe1



CSPe2



A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22

⊕ II 2 GD
ATEX / IECEx
IP66 – IK10

Applications

- Terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities

Features

- Operating temperature -67 °F/-55 °C to 140 °F/60 °C (CSPe type) and -40 °F/-40 °C to 131 °F/55 °C (CAe type).
- For use only with Ex certified terminal blocks.
- Factory drilled and equipped.

Standard Materials

- Enclosure: static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: stainless steel
- Label: yellow laminated plastic with black lettering

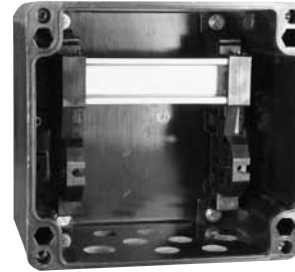
Options

- For use with other equipment than Ex terminal blocks, see ECEP Series.

Certifications and Compliances

- Certification Type CSPe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex eia IIC, Ex eib IIC
 - T Rating: T6
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T167 °F/T75 °C
 - Ambient Temperature: -67 °F/-55 °C to 140 °F/60 °C
 - CE Declaration of Conformity: 50284
 - ATEX Certificate: LCIE 09 ATEX 3032X
 - IECEx Certificate: IECEx LCI 09.0016X
- Certification Type CAe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex eia IIC, Ex eib IIC
 - T Rating: T6 for Ta ≤ 104 °F / 40 °C, T5 for 104 °F / 40 °C ≤ Ta 131 °F / 55 °C
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T176 °F to T203 °F / T80 °C to T95 °C
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50235
 - ATEX Certificate: LCIE 02 ATEX 6248X
 - IECEx Certificate: IECEx LCI 04.0016

Pre-Drilled Junction Box without Terminals



Pre-Drilled Junction Box Equipped with Terminals



- Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-7; 60079-11; 61241-0; 61241-1; 61241-11
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

Catalog Numbering Guide

JBEP
 |
 Series
 ATEX/IEC Certified:
 JB - Junction Box
 E - Increased Safety
 I - Intrinsic Safety
 P - Polyester

12
 |
 Length Dimensions in/mm:
 12 - 4.72/120.0
 17 - 6.69/170.0
 21 - 8.27/210.0
 23 - 9.06/230.0
 32 - 12.60/320.0
 42 - 16.73/425.0
 57 - 22.64/575.0

12
 |
 Width Dimensions in/mm:
 12 - 4.72/120.0
 20 - 7.87/200.0

09
 |
 Depth Dimensions in/mm:
 09 - 3.58/91.0
 15 - 5.91/150.0

D1
 |
 Options:
 D1 - 5 x M20
 D2 - 4 x M20 + 1 x M25
 D3 - 7 x M20 + 1 x M25
 D5 - 7 x M20 + 1 x M25
 D6 - 12 x M20 + 1 x M32
 D7 - 19 x M20 + 1 x M32
 D8 - 27 x M20 + 1 x M40
 P__ - Unarmored Cable
 A__ - Armored Cable
 L__ - Lead Sheath Armored Cable
 E - Earth Continuity Brass Plate
 # - Customized Enclosure (6 Digit number will be assigned at time of order placement.)

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE


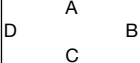
A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 Ⓢ II 2 GD
 ATEX / IECEx
 IP66 – IK10



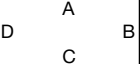
Factory Drilled Ex e II Polyester Junction Boxes

Fitted with: one horizontal symmetrical zinc plated rail. For use with EX terminals only (not supplied). Yellow laminated plastic label with black lettering. Internal earth terminal. Cable glands and plugs ordered separately.

Type	Dimension L x W x D in/mm	Rail Length Capacity in/mm	Clearance Holes Per Side				Weight lb/kg	Volume in ³ /dm ³	Catalog Number
			A	B	C	D			
 CSPe1	4.72 x 4.72 x 3.58/ 120 x 120 x 91	2.44/62.0	1 x M20	1 x M20	2 x M20	1 x M20	1.76/0.8	244/4	JBEP121209D1
CSPe2	6.69 x 4.72 x 3.58/ 170 x 120 x 91	4.41/112.0	-	1 x M20	2 x M20 1 x M25	1 x M20	2.20/1.0	244/4	JBEP171209D2
 CSPe3	9.06 x 4.72 x 3.58/ 230 x 120 x 91	6.77/172.0	-	2 x M20	3 x M20 1 x M25	2 x M20	2.65/1.2	244/4	JBEP231209D3


Factory Drilled Exe II Instrumentation Polyester Junction Boxes

Fitted with: yellow laminated plastic label with black lettering. Set of two insulated side supports (096115). One horizontal symmetrical zinc plated rail. For use with Ex terminals only (not supplied). Also available for use with copper bar 12 x 2 mm or 12 x 4 mm. 2 x 10 mm² internal earth terminals. Cable glands and plugs ordered separately.

Type	Dimension L x W x D in/mm	Rail Length Capacity in/mm	Cable	Threaded Holes		Weight lb/kg	Volume in ³ /dm ³	Catalog Number
				Side C				
 CAe1	8.46 x 7.87 x 5.91/ 215 x 200 x 150	4.13/105.0	7 Pairs	1 x M25	7 x M20	7.50/3.4	976/16	JBEP212015D5
CAe2	12.60 x 7.87 x 5.91/ 320 x 200 x 150	8.11/206.0	12 Pairs	1 x M32	12 x M20	9.26/4.2	1403/23	JBEP322015D6
 CAe3	16.73 x 7.87 x 5.91/ 425 x 200 x 150	12.20/310.0	19 Pairs	1 x M32	19 x M20	11.46/5.2	1586/26	JBEP422015D7
 CAe4	22.64 x 7.87 x 5.91/ 575 x 200 x 150	12.40/315.0	27 Pairs	1 x M40 †	27 x M20	15.00/6.8	2013/33	JBEP572015D8

Factory Assembled Ex Terminal Block for Junction Boxes Shown Above

Screwed/screwed terminal block fitted with continuity shield.

For Junction Boxes L x W x D in/mm	Cable	Terminals 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Weight lb/kg	Volume in ³ /dm ³	Catalog Number	
							
	12.60 x 7.87 x 5.91/ 320 x 200 x 150	12 Pairs	24	12	0.88/0.4	67.1/1.1	096041
	16.73 x 7.87 x 5.91/ 425 x 200 x 150	19 Pairs	38	19	1.10/0.5	79.3/1.3	096043
	22.64 x 7.87 x 5.91/ 575 x 200 x 150	27 Pairs	54	27	1.32/0.6	103.7/1.7	096044

† Clearance hole.

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE Enclosures and Junction Boxes

A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

Factory Drilled and Equipped with Terminals Ex e II Polyester Junction Boxes for Instrumentation Applications with Unarmored Cables

Fitted with: horizontal beige terminal block. Copper bar with cable clamps or continuity shields. Yellow laminated plastic label with black lettering. M16 to M32 threaded entries. M40 to M50 clearance holes. Cable glands and plugs ordered separately.



Unarmored Cables

Type	For Cable U1000 R02V	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Earth Terminal 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Copper Bar 0.39 x 0.12 in 10 x 3 mm Qty.	Cable Clamp 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07G1.5	7	1	1	5	M20	3	JBEP212015P01
CAe1	12G1.5	12	1	1	8	M25	6	JBEP212015P02
CAe2	19G1.5	19	1	1	11	M25	9	JBEP322015P03
CAe2	24G1.5	24	1	1	14	M32	12	JBEP322015P04
CAe2	27G1.5	27	1	1	15	M32	13	JBEP322015P05
CAe3	37G1.5	37	1	1	20	M32	18	JBEP422015P06
CAe1	07G2.5	7	1	1	5	M20	3	JBEP212015P07
CAe1	12G2.5	12	1	1	8	M25	6	JBEP212015P08
CAe2	19G2.5	19	1	1	11	M32	9	JBEP322015P09
CAe2	24G2.5	24	1	1	14	M32	12	JBEP322015P10
CAe2	27G2.5	27	1	1	15	M32	13	JBEP322015P11
CAe3	37G2.5	37	1	1	20	M40	18	JBEP422015P12

Type	For Cable EGSF	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M16 Qty.	Catalog Number
CAe1	07IP05	14	7	M20	7	JBEP212015P21
CAe1	07IT05	21	7	M20	7	JBEP212015P22
CAe2	12IP05	24	12	M25	12	JBEP322015P23
CAe2	12IT05	36	12	M25	12	JBEP322015P24
CAe3	19IP05	38	19	M32	19	JBEP422015P25
CAe4	27IP05	54	27	M32	27	JBEP572015P26
CAe1	07IP09	14	7	M25	7	JBEP212015P27
CAe1	07IT09	21	7	M25	7	JBEP212015P28
CAe2	12IP09	24	12	M32	12	JBEP322015P29
CAe2	12IT09	36	12	M32	12	JBEP322015P30
CAe3	19IP09	38	19	M32	19	JBEP422015P31
CAe4	27IP09	54	27	M40	27	JBEP572015P32

Type	For Cable EISF	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M16 Qty.	Catalog Number
CAe1	07IP05	15	8	M25	7	JBEP212015P41
CAe1	07IT05	22	8	M32	7	JBEP212015P42
CAe2	12IP05	25	13	M32	12	JBEP322015P43
CAe2	12IT05	37	13	M32	12	JBEP322015P44
CAe3	19IP05	39	20	M40	19	JBEP422015P45
CAe4	27IP05	55	28	M40	27	JBEP572015P46
CAe1	07IP09	15	8	M32	7	JBEP212015P47
CAe1	07IT09	22	8	M32	7	JBEP212015P48
CAe2	12IP09	25	13	M40	12	JBEP322015P49
CAe2	12IT09	37	13	M40	12	JBEP322015P50
CAe3	19IP09	29	20	M50	19	JBEP422015P51
CAe4	27IP09	55	28	M50	27	JBEP572015P52

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

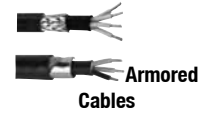
A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 Ⓢ II 2 GD
 ATEX / IECEx
 IP66 – IK10

Factory Drilled and Equipped with Terminals Ex e II Polyester Junction Boxes for Instrumentation Applications with Armored Cables

Fitted with: horizontal beige terminal block. Copper bar with cable clamps or continuity shields. Yellow laminated plastic label with black lettering. Earth continuity brass plate. M8 external earth crossing terminal. M20 to M32 threaded entries. M40 to M50 clearance holes. Cable glands and plugs ordered separately.



Type	For Cable U1000 RVFV	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Earth Terminal 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Copper Bar 0.39 x 0.12" 10 x 3 mm Qty.	Cable Clamp 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07G1.5	7	1	1	5	M20	3	JBEP212015A01E
CAe1	12G1.5	12	1	1	8	M20	6	JBEP212015A02E
CAe2	19G1.5	19	1	1	11	M25	9	JBEP322015A03E
CAe2	24G1.5	24	1	1	14	M25	12	JBEP322015A04E
CAe2	27G1.5	27	1	1	15	M25	13	JBEP322015A05E
CAe3	37G1.5	37	1	1	20	M32	18	JBEP422015A06E
CAe1	07G2.5	7	1	1	5	M20	3	JBEP212015A07E
CAe1	12G2.5	12	1	1	8	M25	6	JBEP212015A08E
CAe2	19G2.5	19	1	1	11	M25	9	JBEP322015A09E
CAe2	24G2.5	24	1	1	14	M32	12	JBEP322015A10E
CAe2	27G2.5	27	1	1	15	M32	13	JBEP322015A11E
CAe3	37G2.5	37	1	1	20	M32	18	JBEP422015A12E

Type	For Cable EGFA	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07IP05	14	7	M20	7	JBEP212015A21E
CAe1	07IT05	21	7	M20	7	JBEP212015A22E
CAe2	12IP05	24	12	M25	12	JBEP322015A23E
CAe2	12IT05	36	12	M25	12	JBEP322015A24E
CAe3	19IP05	38	19	M25	19	JBEP422015A25E
CAe4	27IP05	54	27	M32	27	JBEP572015A26E
CAe1	07IP09	14	7	M25	7	JBEP212015A27E
CAe1	07IT09	21	7	M25	7	JBEP212015A28E
CAe2	12IP09	24	12	M25	12	JBEP322015A29E
CAe2	12IT09	36	12	M32	12	JBEP322015A30E
CAe3	19IP09	38	19	M32	19	JBEP422015A31E
CAe4	27IP09	54	27	M40	27	JBEP572015A32E

Type	For Cable EIFA	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07IP05	15	8	M25	7	JBEP212015A41E
CAe1	07IT05	22	8	M25	7	JBEP212015A42E
CAe2	12IP05	25	13	M32	12	JBEP322015A43E
CAe2	12IT05	37	13	M32	12	JBEP322015A44E
CAe3	19IP05	39	20	M32	19	JBEP422015A45E
CAe4	27IP05	55	28	M40	27	JBEP572015A46E
CAe1	07IP09	15	8	M32	7	JBEP212015A47E
CAe1	07IT09	22	8	M32	7	JBEP212015A48E
CAe2	12IP09	25	13	M40	12	JBEP322015A49E
CAe2	12IT09	37	13	M40	12	JBEP322015A50E
CAe3	19IP09	39	20	M40	19	JBEP422015A51E
CAe4	27IP09	55	28	M50	27	JBEP572015A52E

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

Factory Drilled and Equipped with Terminals Ex e II Polyester Junction Boxes for Instrumentation Applications with Lead Sheath Armored Cables

Fitted with: horizontal beige terminal block. Copper bar with cable clamps or continuity shields. Yellow laminated plastic label with black lettering. Earth continuity brass plate. M8 external earth crossing terminal. M20 to M32 threaded entries. M40 to M50 clearance holes. Cable glands and plugs ordered separately.



Armored Cables
With lead sheath

Type	For Cable U1000 RGPV	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Earth Terminal 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Copper Bar 0.39 x 0.12" 10 x 3 mm Qty.	Cable Clamp 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07 x 1.5	7	1	1	5	M20	3	JBEP212015L01E
CAe1	12 x 1.5	12	1	1	8	M25	6	JBEP212015L02E
CAe2	19 x 1.5	19	1	1	11	M25	9	JBEP322015L03E
CAe2	24 x 1.5	24	1	1	14	M32	12	JBEP322015L04E
CAe2	27 x 1.5	27	1	1	15	M32	13	JBEP322015L05E
CAe3	37 x 1.5	37	1	1	20	M32	18	JBEP422015L06E
CAe1	07 x 2.5	7	1	1	5	M20	3	JBEP212015L07E
CAe1	12 x 2.5	12	1	1	8	M25	6	JBEP212015L08E
CAe2	19 x 2.5	19	1	1	11	M32	9	JBEP322015L09E
CAe2	24 x 2.5	24	1	1	14	M32	12	JBEP322015L10E
CAe2	27 x 2.5	27	1	1	15	M32	13	JBEP322015L11E
CAe3	37 x 2.5	37	1	1	20	M40	18	JBEP422015L12E

Type	For Cable EGPF	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07IP05	14	7	M20	7	JBEP212015L21E
CAe1	07IT05	21	7	M20	7	JBEP212015L22E
CAe2	12IP05	24	12	M25	12	JBEP322015L23E
CAe2	12IT05	36	12	M25	12	JBEP322015L24E
CAe3	19IP05	38	19	M25	19	JBEP422015L25E
CAe4	27IP05	54	27	M32	27	JBEP572015L26E
CAe1	07IP09	14	7	M25	7	JBEP212015L27E
CAe1	07IT09	21	7	M25	7	JBEP212015L28E
CAe2	12IP09	24	12	M32	12	JBEP322015L29E
CAe2	12IT09	36	12	M32	12	JBEP322015L30E
CAe3	19IP09	38	19	M40	19	JBEP422015L31E
CAe4	27IP09	54	27	M40	27	JBEP572015L32E

Type	For Cable EIPF	Terminal Block 0.0008/0.004 in ² 0.5/2.5 mm ² Qty.	Continuity Shield Qty.	Multi-cable Cable Entry Qty. 1	Single Cable Entries M20 Qty.	Catalog Number
CAe1	07IP05	15	8	M25	7	JBEP212015L41E
CAe1	07IT05	22	8	M32	7	JBEP212015L42E
CAe2	12IP05	25	13	M32	12	JBEP322015L43E
CAe2	12IT05	37	13	M32	12	JBEP322015L44E
CAe3	19IP05	39	20	M40	19	JBEP422015L45E
CAe4	27IP05	55	28	M50	27	JBEP572015L46E
CAe1	07IP09	15	8	M32	7	JBEP212015L47E
CAe1	07IT09	22	8	M32	7	JBEP212015L48E
CAe2	12IP09	25	13	M40	12	JBEP322015L49E
CAe2	12IT09	37	13	M40	12	JBEP322015L50E
CAe3	19IP09	39	20	M50	19	JBEP422015L51E
CAe4	27IP09	55	28	M50	27	JBEP572015L52E

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

Defining maximum terminal block quantity according to power dissipation:

- Junction boxes used for instrumentation applications carry very low current levels. Therefore there is no risk of overheating whatever the number of terminals inside the box.
- For applications other than instrumentation, the following tables allow you to define your junction box depending on the number of terminals and the maximum authorized current being carried.

For other terminal block configurations, please consult our drilling guide available online at: www.egsatx.com.

T Rating: T6	Type		
	CSPe1 5 x 5 x 4"/ 120 x 120 x 91 mm	CSPe2 7 x 5 x 4"/ 120 x 170 x 91 mm	CSPe3 9 x 5 x 4"/ 120 x 230 x 91 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	12 15 A	22 13 A	33 12 A
0.006 in ² / 4 mm ² Qty. 1 max.	10 20 A	18 19 A	28 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	7 32 A	14 27 A	21 24 A
0.016 in ² / 10 mm ² Qty. 1 max.	4 50 A	6 50 A	8 50 A

T Rating: T6 @ Ta 104 °F/40 °C T5 @ Ta 131 °F/55 °C	Type			
	CAe1 8 x 9 x 6"/ 200 x 215 x 150 mm	CAe2 8 x 13 x 6"/ 200 x 320 x 150 mm	CAe3 8 x 17 x 6"/ 200 x 425 x 150 mm	CAe4 8 x 23 x 6"/ 200 x 575 x 150 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	20 16 A	21 16 A	23 16 A	29 14 A
0.006 in ² / 4 mm ² Qty. 1 max.	19 20 A	20 20 A	23 20 A	33 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	12 32 A	13 32 A	14 32 A	18 28 A
0.016 in ² / 10 mm ² Qty. 1 max.	10 40 A	11 40 A	18 32 A	22 28 A
0.024 in ² / 16 mm ² Qty. 1 max.	8 28 A	10 27 A	13 25 A	15 26 A
0.039 in ² / 25 mm ² Qty. 1 max.	8 67 A	8 73 A	10 69 A	10 70 A
0.054 in ² / 35 mm ² Qty. 1 max.	8 79 A	8 86 A	10 80 A	10 80 A

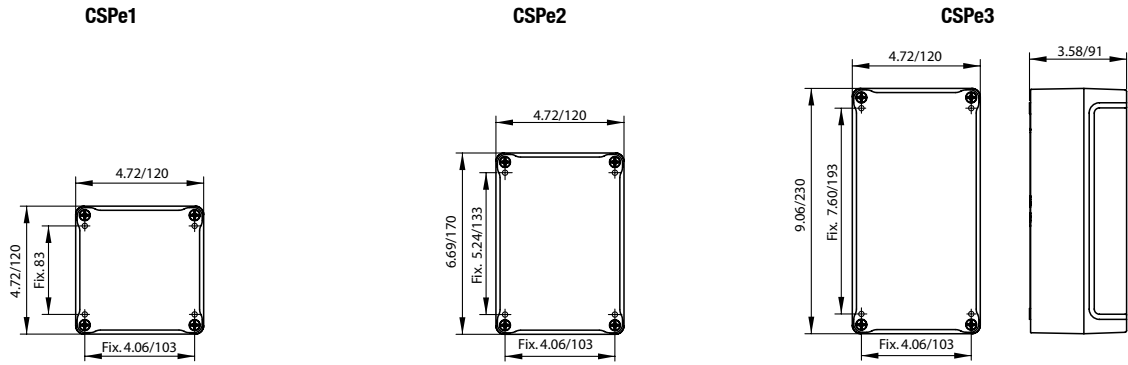
Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

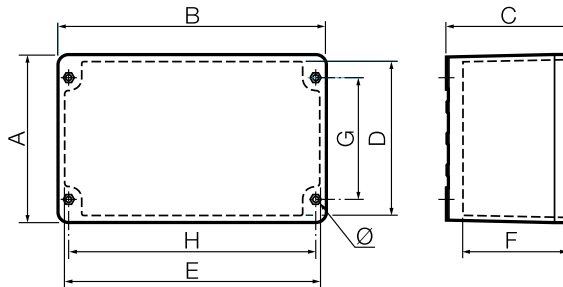
A.T.X.[®] JBEP Series Pre-Drilled Fiberglass Reinforced Polyester Junction Boxes

Increased Safety

Dimension in Inches/Millimeters *



CAe1 to CAe4



Type	External		Internal				Fixings		Thick	Ø
	A	B	C	D	E	F	G	H		
CAe1	7.87/200	8.46/215	5.91/150	7.28/185	7.87/200	4.92/125	5.75/146	7.44/189	0.24/6	0.28/7
CAe2	7.87/200	12.60/320	5.91/150	7.28/185	12.01/305	4.92/125	5.75/146	11.57/294	0.24/6	0.28/7
CAe3	7.87/200	425/16.73	5.91/150	7.28/185	16.14/410	4.92/125	5.75/146	15.71/399	0.24/6	0.28/7
CAe4	7.87/200	22.64/575	5.91/150	7.28/185	22.05/560	4.92/125	5.75/146	21.57/548	0.24/6	0.28/7

* Fixing details for all types: four holes Ø 0.20"/5 mm.

PJB Series Polyester Nonmetallic Enclosures

cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe IIC T6 to T3
Enclosure: IP66

Applications

- Terminal, junction box enclosure for various electrical devices.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently, such as:
 - Petroleum refineries
 - Chemical refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas (international), where flammable dusts are present either continuously or intermittently, such as:
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities

Features

- Static resistant black fiberglass reinforced polyester enclosure.
- Five different sizes to choose from
- Available in three depths, 7.87"/200 mm, 9.84"/250 mm and 11.81"/300 mm.
- Enclosures can be coupled together for added space.
- Protective Flange at top and bottom.
- Pad lockable double bar locks, Key supplied.
- Operating temperature -40 °F/-40 °C to +131 °F/+55 °C.
- Poured in place polyurethane door gasket.
- Many optional accessories.

Standard Materials

- Enclosure: static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: 316L stainless steel

Options or Accessories

- Mounting Pan.
- Gland Plates.
- Interior side rails.
- Din Rails.
- Side Rail and Din rail assembly.
- See table for several terminal block options and limitations. Supplied installed in enclosure. Other terminal block configurations available. Contact your local sales representative.
- Ground bars.
- Terminals for Ground bar.
- Terminal spacers, 3.94"/100 mm or 1.97"/50 mm.
- Padlocking Device.
- Factory drilled entries.
- Earth Continuity Plate.
- Terminal Blocks, see following pages for a guide. Many other configurations and combinations available, contact your local sales representative.
- Enclosure coupling kit, contact your local sales representative.



Certifications and Compliances

- North America
 - CEC/NEC
 - cCSAus Approved
 - Zone 1 and 2 A/Exe IIC T6 to T3 depending on equipment.
 - Enclosure IP66
 - 600 Vac/400 Amp Max
- International
 - EEx e II/EEEx ei
 - Type CAe
 - CENELEC LCIE 02 ATEX 6248X
 - IEC LCIE Ex 02.032X
 - IP66 to EN60529 and IEC 60529
 - IK10 to EN 50102
 - Combustible Dust EN 50281-1-1
 - CE Declaration of Conformity No. 50201
 - Zone 1, 2, 21, 22

PJB Series Polyester Nonmetallic Enclosures

cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe IIC T6 to T3
Enclosure: IP66

Catalog Numbering Guide

Confirm size and gland plate availability in below table.

PJB	40	30	20	0	N	N	25	010
Series			Depth Dimensions in/mm: 09 - 3.58/91.0 15 - 5.91/150.0 20 - 7.87/200.0 25 - 9.84/250.0 30 - 11.81/300.0			Earth Continuity Plate: N - None E - Supplied		
	Length Dimensions in/mm: 12 - 4.72/120.0 17 - 6.69/170.0 21 - 8.27/210.0 23 - 9.06/230.0 32 - 12.60/320.0 40 - 15.75/400.0 42 - 16.75/425.0 50 - 19.68/500.0 57 - 22.50/575.0 60 - 23.62/600.0 80 - 31.50/800.0 10 - 39.37/1000.0			Gland Plates: 0 - none 1 - one bottom 3 - two sides and bottom			Terminal Block Size in/mm: 25 - 0.10/2.5 04 - 0.16/4.0 06 - 0.24/6.0 10 - 0.39/10.0 16 - 0.63/16.0 35 - 1.378/35.0	
		Width Dimensions in/mm: 12 - 4.72/120.0 20 - 7.87/200.0 30 - 11.81/300.0 40 - 15.75/400.0 60 - 23.62/600.0 80 - 31.50/800.0			Mounting Pan: N - None P - Mounting pan			Terminal Block Quantity: 010 - 10 050 - 50 100 - 100

Confirm Size and Gland Plate Availability

Possible Gland Plates			Dimensions in Inches/Millimeters			Volume in ³ /dm ³	Weight lb/kg	Catalog Number
0	1	3	Height	Width	Depth			
x	x	x	15.78/400	11.81/300	7.87/200	1526/25	10.58/4.8	PJB403020
x	x	x	19.68/500	15.78/400	7.87/200	3112/51	13.67/6.2	PJB504020
x	x	x	23.62/600	15.78/400	9.84/250	4882/80	16.98/7.7	PJB604025
x	x	x	31.50/800	23.62/600	11.81/300	11595/190	40.34/18.3	PJB806030
x	x	x	39.37/1000	31.50/800	11.81/300	19100/313	52.03/23.6	PJB108030

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES - CABLE

PJB Series Polyester Nonmetallic Enclosure Terminal Blocks

cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe IIC T6 to T3
Enclosure: IP66

Maximum Terminal Block Information

Number Rails	Terminal Size in/mm	Qty Max * Physical	Terminal Amp	Qty Max At Max. Amps	Terminal Amp	Catalog Number
3	0.10/2.5	100	5	22	15	PJB403020
3	0.16/4	75	10	20	20	PJB403020
2	0.24/6	36	15	12	30	PJB403020
4	0.16/4	100	10	30	20	PJB504020
4	0.24/6	76	15	18	30	PJB504020
3	0.39/10	64	20	18	40	PJB504020
4	0.24/6	136	12	27	30	PJB604025
4	0.39/10	112	16	25	40	PJB604025
4	0.63/16	88	20	24	50	PJB604025
6	0.39/10	190	14	27	40	PJB806030
5	0.63/16	190	15	24	50	PJB806030
4	1.38/35	124	30	16	90	PJB806030
7	0.63/16	364	12	28	50	PJB108030
5	1.38/35	218	20	20	90	PJB108030
3	2.76/70	84	40	9	145	PJB108030

Small Junction Boxes

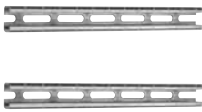

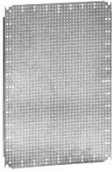

Type	Quantity	Maximum Amps
	12	15 A
PJB121209	10	20 A
5 x 5 x 4"/120 x 120 x 91 mm	7	32 A
	4	50 A
	22	13 A
PJB171209	18	19 A
7 x 5 x 4"/120 x 170 x 91 mm	14	27 A
	6	50 A
	33	12 A
PJB231209	28	16 A
9 x 5 x 4"/120 x 230 x 91 mm	21	24 A
	8	50 A

* Maximum physical at amperage indicated, capable of accepting more terminals at lower amperage. Contact your local sales representative.
To order terminal blocks: Use nomenclature above. Supplied installed on a mounting pan. Can be installed on uprights and rails. Contact your local sales representative.

PJB Series Polyester Nonmetallic Enclosure Accessories

cCSAus Certification

Accessories and Options — Order as follows for field installed

		Dimensions in Inches/Millimeters		Catalog Number	
		Height	Length		
Interior Side Rails/Uprights — Set of 2 — Supplied in Packages of 5					
		15.78/400	13.27/337	PJBSR400	
		19.68/500	17.20/437	PJBSR500	
		23.62/600	21.14/537	PJBSR600	
		31.50/800	29.02/737	PJBSR800	
		39.37/1000	36.89/937	PJBSR100	
		Width in Inches/Millimeters		Catalog Number	
		For Enclosure	Crosspiece		
Cross Piece Din Rails — Set of 10					
		11.81/300	9.57/243	PJBDR300	
		15.78/400	13.50/343	PJBDR400	
		23.62/600	21.38/543	PJBDR600	
		31.50/800	29.25/743	PJBDR800	
		Dimensions in Inches/Millimeters		Weight	Catalog Number
		Enclosure H x W	H x W	lb/kg	
Perforated Mounting Plate — To Order Separately					
		15.78/400 x 300	13.78/350 x 9.84/250	2.65/1.2	PJBMP400
		19.68/500 x 15.75/400	17.72/450 x 13.78/350	2.43/1.1	PJBMP500
		23.62/600 x 15.75/400	21.65/550 x 13.78/350	3.31/1.5	PJBMP600
		31.50/800 x 23.62/600	29.53/750 x 21.65/550	6.61/3.0	PJBMP800
		39.37/1000 x 31.50/800	37.40/950 x 29.53/750	12.13/5.5	PJBMP100
		Dimension	Volume	Weight	Catalog Number
		H x W in/mm	in ³ /dm ³	lb/kg	
Gland Plates — To Order Separately					
		5.12/130 x 10.39/264	79/1.3	0.66/0.3	PJBGP130
		4.49/114 x 12.68/322	85/1.4	0.88/0.4	PJBGP114
Door Padlocking Device					PJBPL

PJB Series Polyester Nonmetallic Enclosures

cCSAus Certification

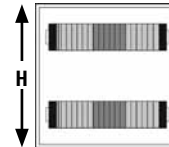
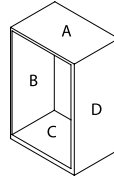
CEC/NEC:
Zone 1 and 2 A/Exe IIC T6 to T3
Enclosure: IP66

JBEP Series for Terminal Junction Box Application Only.

The size of the junction box needed to meet your requirements can be selected based on the table shown below.

1. Define maximum cable entries according to number of modules available per side.

Cable Entry Metric Thread	Number of Modules
M20	1
M25	1
M32	1
M40	2
M50	3



Type	Dimensions in/mm			B/D	Number of Modules		Allowable Max. Size	Terminal Dim. H — in/mm
	Length	Width	Depth		A/C	A'/C' (1)		
PJB121209	4.72/120	4.72/120	3.58/91	2	2	—	M25	4.72/120
PJB171209	6.69/170	4.72/120	3.58/91	3	2	—	M32	4.72/120
PJB231209	9.06/230	4.72/120	3.58/91	4	2	—	M32	4.72/120
PJB212015	8.46/215	7.87/200	5.91/150	11	8	—	M50	7.87/200
PJB322015	12.60/320	7.87/200	5.91/150	18	8	—	M50	7.87/200
PJB422015	16.73/425	7.87/200	5.91/150	26	8	—	M50	7.87/200
PJB572015	22.64/575	7.87/200	5.91/150	38	8	—	M50	7.87/200
PJB403020	15.75/400	11.81/300	8.11/206	18	18	—	M50	15.75/400
PJB504020	19.68/500	15.75/400	8.11/206	24	10	10	M50	19.68/500
PJB604025	24.02/610	15.75/400	10.12/257	48	10	10	M75	24.02/610
PJB806030	32.28/820	24.02/610	11.81/300	72	54	—	M100	32.28/820
PJB108030	40.16/1020	31.89/810	11.81/300	96	78	—	M100	40.16/1020

2. Maximum rail arrangement according to physical dimensions.

Terminal Capacity (in ² /mm ²)	Maximum Quantity of Horizontal Rails Per Quantity						
	0.004/2.5	0.006/4	0.009/6	0.016/10	0.025/16	0.054/35	0.078/50
PJB 12/17/23 1209	1	1	1	1	0	0	0
PJB 21/32/42/57 2015	1	1	1	1	1	1	0
PJB403020	3	3	3	2	2	2	1
PJB504020	4	4	3	3	3	2	1
PJB604025	4	4	4	4	3	3	2
PJB806030	6	6	5	5	5	4	3
PJB108030	8	8	7	7	6	5	3

PJB Series Polyester Nonmetallic Enclosures

cCSAus Certification

CEC/NEC:
Zone 1 and 2 A/Exe IIC T6 to T3
Enclosure: IP66

3. Defining maximum terminal block quantity according to power dissipation:

- Junction boxes used for instrumentation applications have very low current levels, therefore there is no risk of overheating whatever the number of terminals inside the box.
 - For applications other than instrumentation, the following tables allow you to define your junction box depending on the number of terminals and the maximum authorized current being carried with feed-through terminals.
 - For single feed terminals using cross connection, please consult your local representative for a calculation.
- For other terminal block configurations, please consult our drilling guide available online at: www.appletonelec.com.

Small Junction Boxes

T Rating: T6	Type		
	PJB121209 5 x 5 x 4" 120 x 120 x 91 mm	PJB171209 7 x 5 x 4" 120 x 170 x 91 mm	PJB231209 9 x 5 x 4" 120 x 230 x 91 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	12 15 A	22 13 A	33 12 A
0.006 in ² / 4 mm ² Qty. 1 max.	10 20 A	18 19 A	28 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	7 32 A	14 27 A	21 24 A
0.016 in ² / 10 mm ² Qty. 1 max.	4 50 A	6 50 A	8 50 A

Non-Hinged Junction Boxes

T Rating: T6 @ Ta 104 °F/40 °C T5 @ Ta 131 °F/55 °C	Type			
	PJB212015 8 x 9 x 6" 200 x 215 x 150 mm	PJB322015 8 x 13 x 6" 200 x 320 x 150 mm	PJB422015 8 x 17 x 6" 200 x 425 x 150 mm	PJB572015 8 x 23 x 6" 200 x 575 x 150 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	20 16 A	21 16 A	23 16 A	29 14 A
0.006 in ² / 4 mm ² Qty. 1 max.	19 20 A	20 20 A	23 20 A	33 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	12 32 A	13 32 A	14 32 A	18 28 A
0.016 in ² / 10 mm ² Qty. 1 max.	10 40 A	11 40 A	18 32 A	22 28 A
0.024 in ² / 16 mm ² Qty. 1 max.	8 28 A	10 27 A	13 25 A	15 26 A
0.039 in ² / 25 mm ² Qty. 1 max.	8 67 A	8 73 A	10 69 A	10 70 A
0.054 in ² / 35 mm ² Qty. 1 max.	8 79 A	8 86 A	10 80 A	10 80 A

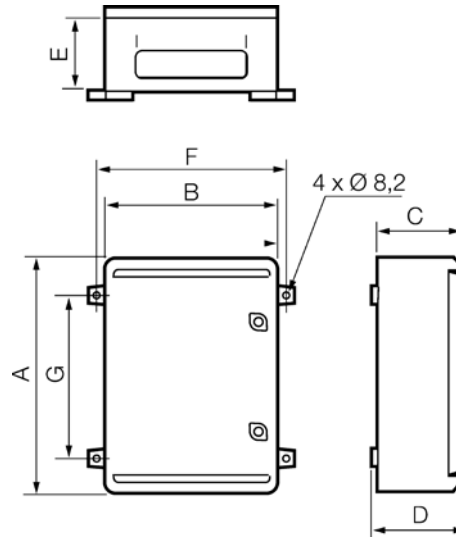
Hinged Junction Boxes

T Rating: T6 @ Ta 104 °F/40 °C T5 @ Ta 131 °F/55 °C	Type				
	PJB403020 16 x 12 x 8" 400 x 300 x 206 mm	PJB504020 20 x 16 x 8" 500 x 400 x 206 mm	PJB604025 24 x 16 x 10" 610 x 400 x 257 mm	PJB806030 32 x 24 x 12" 820 x 610 x 300 mm	PJB108030 40 x 32 x 12" 1020 x 810 x 300 mm
0.054 in ² / 35 mm ² Qty. 1 Max.	12 100 A	16 100 A	16 100 A	—	—
0.078 in ² / 50 mm ² Qty. 1 Max.	8 125 A	12 125 A	16 125 A	—	—
0.109 in ² / 70 mm ² Qty. 1 Max.	8 160 A	10 160 A	12 160 A	—	—
0.147 in ² / 95 mm ² Qty. 1 Max.	8 200 A	10 200 A	12 200 A	—	—
0.186 in ² / 120 mm ² Qty. 1 Max.	—	8 250 A	8 250 A	12 200 A	16 150 A
0.233 in ² / 150 mm ² Qty. 1 Max.	—	—	6 250 A	9 250 A	12 190 A
0.287 in ² / 185 mm ² Qty. 1 Max.	—	—	—	8 300 A	10 240 A

PJB Series Polyester Nonmetallic Enclosure Dimensions

cCSAus Certification

Dimensions in Inches/Millimeters



Catalog Number	External			Fitting			
	A	B	C	D	E	F	G
PJB403020	15.94/405	12.01/305	7.87/200	8.46/215	7.09/180	12.83/326	13.23/336
PJB504020	19.68/500	15.78/400	7.87/200	8.46/215	7.09/180	16.73/425	18.31/465
PJB604025	23.62/600	15.78/400	9.84/250	10.43/265	9.06/230	16.73/425	22.28/566
PJB806030	32.60/828	24.33/618	11.81/300	12.40/315	11.02/280	25.91/658	30.24/768
PJB108030	40.47/1028	32.20/818	11.81/300	12.40/315	11.02/280	33.78/858	38.11/968

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEP and ECEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 Ⓢ II 2 GD
 ATEX / IECEx
 IP66 – IK10

Applications

- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities
- JBEP Series
 - Terminal junction boxes for electrical low voltage and instrumentation connections in hazardous areas.
 - Refer to technical data to define permitted number of terminal blocks and cable entries on selected junction boxes.
- ECEP Series
 - Enclosure for distribution and control applications. Can be modified at our manufacturing facility to house a large range of components; i.e. control units, switches, breakers, transformers, meters, etc.

Features

- Available in a wide range of sizes.
- Operating temperature -67 °F/-55 °C to 140 °F/60 °C (CSPe) and -40 °F/-40 °C to 131 °F/55 °C (CAe).
- Hinges standard on all sizes above 15.75 x 11.81" / 400 x 300 mm.
- Hinged enclosures:
 - Reversible door opening 180°.
 - Door with double bar lock.
 - Key locking facility.
 - Protective flange at top and bottom.

Standard Materials

- Enclosures: static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: stainless steel

Accessories

- Mounting pan.
- Rail mounting.
- Padlocking device.
- Inside pocket for documents.
- Refer to technical data to define permitted number and size of terminals and cable entries.

Options

- Removable gland plates.
- Nameplates.
- Consult factory for custom drilling and assembly requirements.
- Empty enclosure with Ex "U" component marking for re-certification by notified body for CAe type.

Certifications and Compliances

- Certification Type CSPe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC, Ex de IIC, Ex demb IIC
 - T Rating: T6

CSPe Type – Small Version



CAe Type – Non-Hinged Version



CAe Type – Hinged Versions



- Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T167 °F/T75 °C
 - Ambient Temperature: -67 °F/-55 °C to 140 °F/60 °C
 - CE Declaration of Conformity: 50284
 - ATEX Certificate: LCIE 09 ATEX 3032X
 - IECEx Certificate: IECEx LCI 09.0016X
 - Other Certifications: GOST
- Certification Type CAe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC, Ex de IIC, Ex demb IIC
 - T Rating: T6 to T2
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T176 °F to T203 °F / T80 °C to T95 °C
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50235
 - ATEX Certificate: LCIE 02 ATEX 6248X
 - IECEx Certificate: IECEx LCI 04.0016
 - Other Certifications: GOST
 - Certification Type CAe U
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex e II,
 - 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 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 5C241
 - ATEX Certificate: LCIE 09 ATEX 3036 U
 - IEC Certificate: LCIE Ex 09.002 U
 - Ingress Protection (solid and liquid): IP66
 - Impact Resistance (shock): IK10
 - Ex Standards: EN/IEC 60079-0; 60079-1; 60079-7; 60079-11, 61241-0; 61241-1; 61241-11
 - Other Standards: EN/IEC 60529 (IP), 62262 (IK)

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBEP and ECEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

Catalog Numbering Guide

JBEP

Series

ATEX/IEC Certified:
 EC - Enclosure and Controls
 JB - Junction Box
 E - Increased Safety
 I - Intrinsic Safety
 P - Polyester

12

Length Dimensions in/mm:

12 - 4.72/120.0
 17 - 6.69/170.0
 21 - 8.27 /210.0
 23 - 9.06 /230.0
 32 - 12.60 /320.0
 40 - 15.75 /400.0
 42 - 16.73 /425.0
 50 - 19.68 /500.0
 57 - 22.64 /575.0
 60 - 23.62 /600.0
 80 - 31.50 /800.0
 10 - 39.37 /1000.0

12

Width Dimensions in/mm:

12 - 4.72/120.0
 20 - 7.87/200.0
 30 - 11.81/300.0
 40 - 15.75/400.0
 60 - 23.62/600.0
 80 - 31.50/800.0

09

Depth Dimensions in/mm:

09 - 3.58/91.0
 15 - 5.91/150.0
 20 - 7.87/200.0
 25 - 9.84/250.0
 30 - 11.81/300.0

0

Gland plate for
 hinged enclosures only:
 0 - None
 1 - One Bottom
 2 - One Top and Bottom
 3 - Two Sides and Bottom
 4 - All Sides

0

Options:

*(options must be listed
 alphabetically)*

E - Earth Continuity Brass Plate
 M - Mounting Pan
 U - Component Certification "U"
 # - Customized Enclosure
*(6 Digit number will be assigned
 at time of order placement.)*

A.T.X.[®] JBEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

JBEP Series

Type	Dimension L x W x D in/mm	Rail Length Capacity in/mm	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
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Exe II Small Polyester Junction Boxes

For use with Ex certified terminals only (not supplied). Mounting rails supplied. Yellow laminated plastic label with black lettering.



CSPe1	4.72 x 4.72 x 3.58 / 120 x 120 x 91	2.44/62.0	1.76/0.8	244/4	JBEP1212090
CSPe2	6.69 x 4.72 x 3.58 / 170 x 120 x 91	4.41/112.0	2.20/1.0	244/4	JBEP1712090
CSPe3	9.06 x 4.72 x 3.58 / 230 x 120 x 91	6.77/172.0	2.65/1.2	244/4	JBEP2312090

Exe II Non-Hinged Junction Boxes

For use with Ex terminals only (not supplied). Mounting rails to be ordered separately. Yellow laminated plastic label with black lettering.



CAe1	8.47 x 7.87 x 5.91 / 215 x 200 x 150	7.52/191.0	6.61/3.0	793/13	JBEP2120150
CAe2	12.60 x 7.87 x 5.91 / 320 x 200 x 150	11.54/293.0	8.38/3.8	1404/23	JBEP3220150
CAe3	16.73 x 7.87 x 5.91 / 425 x 200 x 150	15.75/400.0	10.80/4.9	1587/26	JBEP4220150
CAe4	22.64 x 7.87 x 5.91 / 575 x 200 x 150	21.81/554.0	13.67/6.2	2014/33	JBEP5720150

Exe II Hinged Junction Boxes without Gland Plate

For use with Ex terminals only (not supplied). Mounting pan and rails to be ordered separately.



CAe6	15.75 x 11.81 x 8.11 / 400 x 300 x 206	9.57/243.0	9.70/4.4	2014/33	JBEP4030200
CAe7	19.68 x 15.75 x 8.11 / 500 x 400 x 206	13.50/343.0	11.68/5.3	2868/47	JBEP5040200
CAe8	24.02 x 15.75 x 10.12 / 610 x 400 x 257	13.50/343.0	17.00/7.7	5126/8.4	JBEP6040250
CAe10	32.28 x 24.02 x 11.81 / 820 x 610 x 300	21.38/543.0	40.34/18.3	11595/190	JBEP8060300
CAe11	40.16 x 31.89 x 11.81 / 1020 x 810 x 300	29.25/743.0	52.03/23.6	19100/313	JBEP1080300

Exe II Hinged Junction Boxes with Bottom Opening for Gland Plate

For use with Ex terminals only (not supplied). Opening at bottom 4.49 x 12.68 in / 114 x 322 mm. Mounting pan, rails and gland plate to be ordered separately.



CAe7	19.68 x 15.75 x 8.11 / 500 x 400 x 206	13.50/343.0	11.68/5.3	2868/47	JBEP5040201
CAe8	24.02 x 15.75 x 10.12 / 610 x 400 x 257	13.50/343.0	17.00/7.7	5126/84	JBEP6040251

Removable Gland Plate

Description	Size in/mm	Drilling	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
Gland Plate	4.49 x 12.68 / 114 x 322	Blank	3.09/1.4	24.41/0.4	JBEPGP400
Gland Plate	4.49 x 12.68 / 114 x 322	Clearance holes for 17 x M20 + 3 x M25	3.09/1.4	24.41/0.4	JBEPGP400D12
Gland Plate	5.12 x 10.39 / 130 x 264 †	Blank	2.87/1.3	18.31/0.3	JBEPGP300

Coupling Flange

Description	Size in/mm	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
Coupling Flange	4.49 x 12.68 / 114 x 322	2.87/1.3	12.20/0.2	JBEP CF1

† To be used with customized enclosure CAe6.

A.T.X.[®] ECEP Series Undrilled Fiberglass Reinforced Polyester Enclosure Accessories

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
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Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

		Enclosure Type	Rail Length in/mm	Catalog Number	Pack
	Zinc Plated Symmetrical Steel Rail	CAe1	7.52/191	JBEPDR215	1
	<i>For direct fixing. Set of two 2.36"/60 mm height spacers supplied.</i>	CAe2	11.54/293	JBEPDR320	1
		CAe3	15.75/400	JBEPDR425	1
		CAe4	21.81/554	JBEPDR575	1
	Zinc Plated Symmetrical Steel Rail	CAe6	9.57/243	JBEPDR300	1
	<i>For fixing onto uprights with clip nut supplied.</i>	CAe7 / CAe8	13.50/343	JBEPDR400	1
		CAe10	21.38/543	JBEPDR600	1
		CAe11	29.25/743	JBEPDR800	1
	Zinc Plated Steel Uprights – Set of Two	CAe6	13.27/337	JBEPSR400	1
		CAe7	17.20/437	JBEPSR500	1
		CAe8	21.14/537	JBEPSR600	1
		CAe10	29.02/737	JBEPSR800	1
		CAe11	36.89/937	JBEPSR100	1
	Copper Bar (0.47 x 0.16" / 12 x 4 mm)		Bar Length in/mm	Catalog Number	Pack
	<i>Copper bar not perforated for cable clamps.</i>		6.30/160	097270	1
			7.87/200	097271	1
			12.20/310	097272	1
			19.68/500	097273	1
			27.17/690	097274	1
	Cable Clamp for Copper Bar (0.47 x 0.16" / 12 x 4 mm)				
	0.002 to 0.006 in ² / 1.5 mm ² to 4 mm ² capacity.			097203	1
	0.009 to 0.025 in ² / 6 mm ² to 16 mm ² capacity.			097204	1
	Insulated Side Support – Set of Two				
	<i>For mounting symmetrical, asymmetrical rails and copper bar 0.47 x 0.08" / 12 x 2 mm or 0.47 x 0.16" / 12 x 4 mm. See dimensional data page for more details.</i>			096115	1
	Mounting Pan	CAe6	13.78 x 9.84 / 350 x 250	JBEPMP400	1
	<i>Perforated mounting pan "Telequick".</i>	CAe7	17.72 x 13.78 / 450 x 350	JBEPMP500	1
		CAe8	21.65 x 13.78 / 550 x 350	JBEPMP600	1
		CAe10	29.53 x 21.65 / 750 x 550	JBEPMP800	1
		CAe11	37.40 x 29.53 / 950 x 750	JBEPMP100	1
	Self Adhesive Pocket for Drawings				
	External dimensions: 10 x 6" / 260 x 165 mm. Internal dimensions: 9 x 5 x 1" / 230 x 130 x 18 mm.			097263	1
	External dimensions: 13 x 9" / 340 x 235 mm. Internal dimensions: 12 x 8 x 1" / 310 x 200 x 18 mm.			097264	1
	Padlocking Device.				
	Takes 3 safety padlocks shackle dia. 0.24" / 6 mm maximum.			JBEPPL	1

A.T.X.[®] JBEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Increased Safety

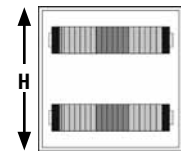
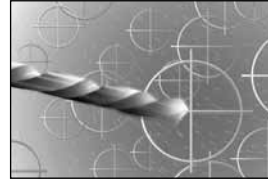
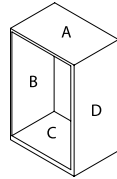
Zone 1 and 2 – 21 and 22
 II 2 GD
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JBEP Series for Terminal Junction Box Application Only.

The size of the junction box needed to meet your requirements can be selected based on the table shown below. We also offer you the possibility to drill and equip, please consult our drilling guide available online at: www.egsatx.com

1. Define maximum cable entries according to number of modules available per side.

Cable Entry Metric Thread	Number of Modules
M20	1
M25	1
M32	1
M40	2
M50	3



Type	Dimensions in/mm			B/D	Number of Modules		Allowable Max. Size	Terminal Dim. H — in/mm
	Length	Width	Depth		A/C	A'/C' (1)		
CSPe1	4.72/120	4.72/120	3.58/91	2	2	–	M25	4.72/120
CSPe2	6.69/170	4.72/120	3.58/91	3	2	–	M32	4.72/120
CSPe3	9.06/230	4.72/120	3.58/91	4	2	–	M32	4.72/120
CAe1	8.46/215	7.87/200	5.91/150	11	8	–	M50	7.87/200
CAe2	12.60/320	7.87/200	5.91/150	18	8	–	M50	7.87/200
CAe3	16.73/425	7.87/200	5.91/150	26	8	–	M50	7.87/200
CAe4	22.64/575	7.87/200	5.91/150	38	8	–	M50	7.87/200
CAe6	15.75/400	11.81/300	8.11/206	18	18	–	M50	15.75/400
CAe7	19.68/500	15.75/400	8.11/206	24	10	10	M50	19.68/500
CAe8	24.02/610	15.75/400	10.12/257	48	10	10	M75	24.02/610
CAe10	32.28/820	24.02/610	11.81/300	72	54	–	M100	32.28/820
CAe11	40.16/1020	31.89/810	11.81/300	96	78	–	M100	40.16/1020

2. Maximum rail arrangement according to physical dimensions.

Terminal Capacity (in ² /mm ²)	Maximum Quantity of Horizontal Rails Per Quantity						
	0.004/2.5	0.006/4	0.009/6	0.016/10	0.025/16	0.054/35	0.078/50
CSPe1/2/3	1	1	1	1	0	0	0
CAe1/2/3/4	1	1	1	1	1	1	0
CAe6	3	3	3	2	2	2	1
CAe7	4	4	3	3	3	2	1
CAe8	4	4	4	4	3	3	2
CAe10	6	6	5	5	5	4	3
CAe11	8	8	7	7	6	5	3

A.T.X.[®] JBEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IECEx
 IP66 – IK10

3. Defining maximum terminal block quantity according to power dissipation:

- Junction boxes used for instrumentation applications have very low current levels, therefore there is no risk of overheating whatever the number of terminals inside the box.
- For applications other than instrumentation, the following tables allow you to define your junction box depending on the number of terminals and the maximum authorized current being carried with feed-through terminals.
- For single feed terminals using cross connection, please consult your local representative for a calculation.

For other terminal block configurations, please consult our drilling guide available online at: www.appletonelec.com

Small Junction Boxes

T Rating: T6	Type		
	CSPe1 5 x 5 x 4"/ 120 x 120 x 91 mm	CSPe2 7 x 5 x 4"/ 120 x 170 x 91 mm	CSPe3 9 x 5 x 4"/ 120 x 230 x 91 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	12 15 A	22 13 A	33 12 A
0.006 in ² / 4 mm ² Qty. 1 max.	10 20 A	18 19 A	28 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	7 32 A	14 27 A	21 24 A
0.016 in ² / 10 mm ² Qty. 1 max.	4 50 A	6 50 A	8 50 A

Non-Hinged Junction Boxes

T Rating: T6 @ Ta 104 °F/40 °C T5 @ Ta 131 °F/55 °C	Type			
	CAe1 8 x 9 x 6"/ 200 x 215 x 150 mm	CAe2 8 x 13 x 6"/ 200 x 320 x 150 mm	CAe3 8 x 17 x 6"/ 200 x 425 x 150 mm	CAe4 8 x 23 x 6"/ 200 x 575 x 150 mm
0.004 in ² / 2.5 mm ² Qty. 1 max.	20 16 A	21 16 A	23 16 A	29 14 A
0.006 in ² / 4 mm ² Qty. 1 max.	19 20 A	20 20 A	23 20 A	33 16 A
0.009 in ² / 6 mm ² Qty. 1 max.	12 32 A	13 32 A	14 32 A	18 28 A
0.016 in ² / 10 mm ² Qty. 1 max.	10 40 A	11 40 A	18 32 A	22 28 A
0.024 in ² / 16 mm ² Qty. 1 max.	8 28 A	10 27 A	13 25 A	15 26 A
0.039 in ² / 25 mm ² Qty. 1 max.	8 67 A	8 73 A	10 69 A	10 70 A
0.054 in ² / 35 mm ² Qty. 1 max.	8 79 A	8 86 A	10 80 A	10 80 A

Hinged Junction Boxes

T Rating: T6 @ Ta 104 °F/40 °C T5 @ Ta 131 °F/55 °C	Type				
	CAe6 16 x 12 x 8"/ 400 x 300 x 206 mm	CAe7 20 x 16 x 8"/ 500 x 400 x 206 mm	CAe8 24 x 16 x 10"/ 610 x 400 x 257 mm	CAe10 32 x 24 x 12"/ 820 x 610 x 300 mm	CAe11 40 x 32 x 12"/ 1020 x 810 x 300 mm
0.054 in ² / 35 mm ² Qty. 1 Max.	12 100 A	16 100 A	16 100 A	—	—
0.078 in ² / 50 mm ² Qty. 1 Max.	8 125 A	12 125 A	16 125 A	—	—
0.109 in ² / 70 mm ² Qty. 1 Max.	8 160 A	10 160 A	12 160 A	—	—
0.147 in ² / 95 mm ² Qty. 1 Max.	8 200 A	10 200 A	12 200 A	—	—
0.186 in ² / 120 mm ² Qty. 1 Max.	—	8 250 A	8 250 A	12 200 A	16 150 A
0.233 in ² / 150 mm ² Qty. 1 Max.	—	—	6 250 A	9 250 A	12 190 A
0.287 in ² / 185 mm ² Qty. 1 Max.	—	—	—	8 300 A	10 240 A

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

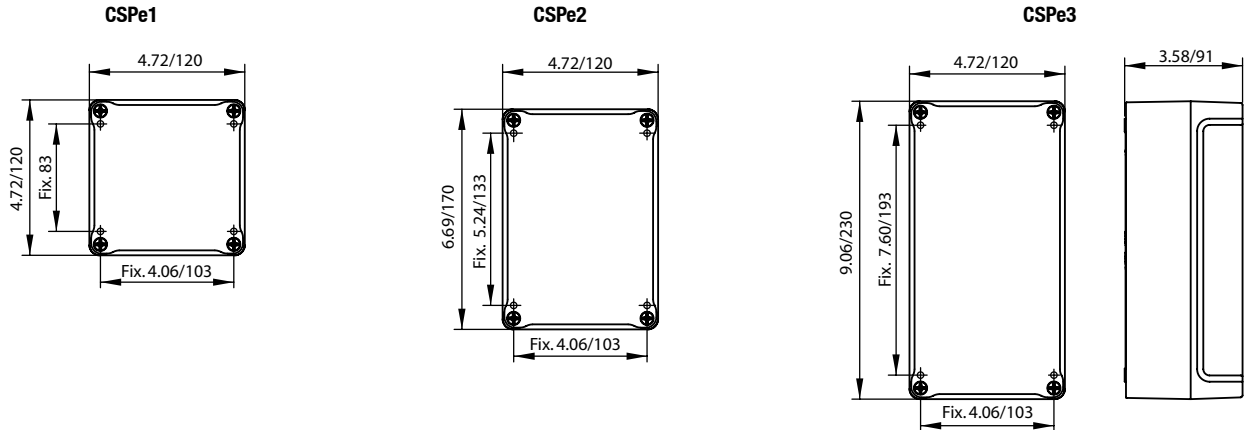
A.T.X.[®] JBEP and ECEP Series Undrilled Fiberglass Reinforced Polyester Enclosure

Dimensions

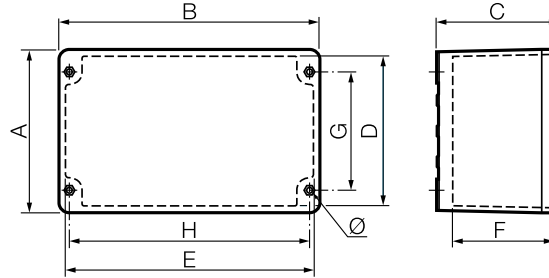
Increased Safety

Dimensions in Inches/Millimeters

Fixing details for below boxes: four holes \varnothing 0.20"/5 mm.



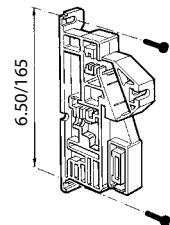
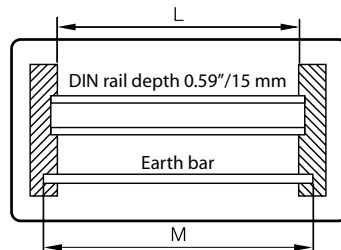
CAe1 to CAe4



Type	External		Internal					Fixings		
	A	B	C	D	E	F	G	H	Thick	\varnothing
CAe1	7.87/200.0	8.46/215.0	5.91/150.0	7.28/185.0	7.87/200.0	4.92/125.0	5.75/146.0	7.44/189.0	0.24/6.0	0.26/6.5
CAe2	7.87/200.0	12.60/320.0	5.91/150.0	7.28/185.0	12.01/305.0	4.92/125.0	5.75/146.0	11.57/294.0	0.24/6.0	0.26/6.5
CAe3	7.87/200.0	16.73/425.0	5.91/150.0	7.28/185.0	16.14/410.0	4.92/125.0	5.75/146.0	15.71/399.0	0.24/6.0	0.26/6.5
CAe4	7.87/200.0	22.64/575.0	5.91/150.0	7.28/185.0	22.05/560.0	4.92/125.0	5.75/146.0	21.57/548.0	0.24/6.0	0.26/6.5

Insulated Side Support (Rail Holder) 096115

Type	Equipment Capacity	
	L	M
CAe1	4.13/105.0	5.08/129.0
CAe2	8.11/206.0	9.21/234.0
CAe3	12.20/310.0	13.35/339.0
CAe4	12.40/315.0	13.58/345.0



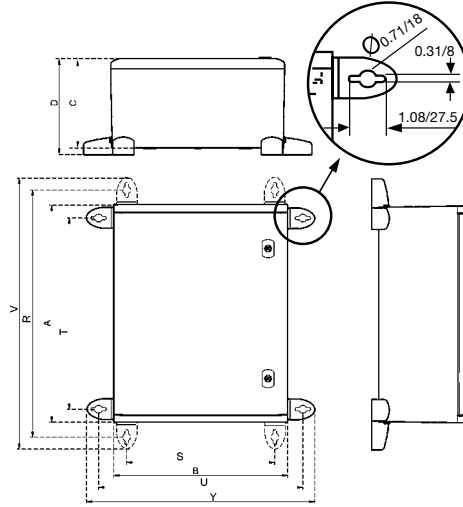
A.T.X.[®] JBEP and ECEP Series Undrilled Fiberglass Reinforced Polyester Enclosures

Dimensions

Increased Safety

Dimensions in Inches/Millimeters

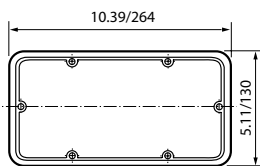
CAe6 to CAe11



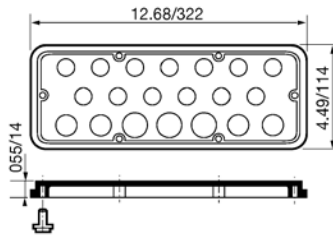
Type	External			Fixing With horizontal lug				Fixing With vertical lug		
	A	B	C	D	T	U	Y	R	S	V
CAe6	15.75/400.0	11.81/300.0	8.11/206.0	8.74/222.0	13.43/341.0	14.57/370.0	16.73/425.0	18.50/470.0	9.50/241.0	20.67/525.0
CAe7	19.68/500.0	15.75/400.0	8.11/206.0	8.74/222.0	17.36/441.0	18.50/470.0	20.67/525.0	22.44/570.0	13.43/341.0	24.61/625.0
CAe8	24.02/610.0	15.75/400.0	10.12/257.0	10.75/273.0	21.69/551.0	18.50/470.0	20.67/525.0	26.77/680.0	13.43/341.0	28.94/735.0
CAe10	32.28/820.0	24.02/610.0	11.81/300.0	12.44/316.0	29.84/758.0	26.65/677.0	28.82/732.0	34.92/887.0	21.57/548.0	37.09/942.0
CAe11	40.16/1020.0	31.89/810.0	11.81/300.0	12.44/316.0	37.72/958.0	34.53/877.0	36.69/932.0	42.80/1087.0	29.45/748.0	44.96/1142.0

Gland Plates

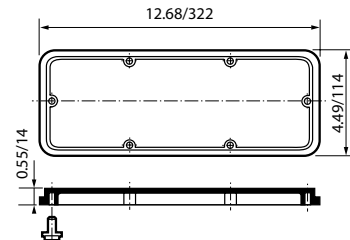
JBEPGP300



JBEPGP400D12



JBEPGP400



ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

Enclosures and Junction Boxes

A.T.X.[®] SJB Series 316L Stainless Steel Junction Boxes

Explosion Protected Terminal Enclosure

cCSAus Approved
CEC/NEC
Class I Zone 1
Exe/AExe II, T5 or T6
Enclosure: IP66

CSA Approved
CSA Type 4X

Applications

- Terminal, junction box enclosure for various electrical devices.
- Designed for use in areas designed for Zone 1, where flammable gases or vapors are present either continuously or intermittently such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities.
 - Food processing
 - Dairy
 - Brewing
 - Other commercial facilities.
- Ideal for wet or corrosive atmospheres.

Features

- Austenitic stainless steel contains at least 10.5% Chrome (Cr). Chrome is a protective layer that shields the material from humidity in the air.
- 316L stainless steel contains Molybdenum (Mo), which provides excellent corrosion resistance especially against chlorides.
- Smooth, continuous welded seams.
- Many different sizes and depths to choose from.
- Available in three depths, 3.74"/95 mm, 7.87"/200 mm and 11.81"/300 mm.
- Can be supplied with 1, 2, 3 or even 4 neoprene sealed gland plates for ease of cable installation.
- 316L Stainless steel captive screws.
- Hinges standard on all sizes above 14.57" x 10.24" / 370 mm x 260 mm.
- Poured in place polyurethane door gasket.
- M8 feed-thru earth/ground stud.
- Patented reversible door, opens 210 degrees, from any location Top/bottom, left or right, by means of removable hinges that can be installed in any position.
- Patented reversible anti vibration mounting brackets, on the top, bottom or side positions.
- Optional patented removable pad locking device.
- Numerous optional accessories.

Standard Materials

- Enclosure: 316L chrome plated Molybdenum stainless steel with natural brushed finish
- Hardware: 316L stainless steel

Options

- Mounting pan
- Gland plates
- Interior side rails
- DIN rails
- Side rail and DIN rail assembly
- Terminal Blocks (Enclosure size varies, based on # terminals blocks, cross section or terminal block, current, ambient temperature and desired T rating, contact your local sales representative.)
- Ground bars
- Terminals for Ground bar
- Terminal spacers: 3.94"/100 mm or 1.97"/50 mm
- Padlocking device
- Locking hinge
- Factory drilled entries
- Enclosure coupling kit available, contact your local sales representative.

Without Terminals



Equipped with Terminals



Certifications and Compliances

- North American
 - cCSAus Approved
- CEC/NEC
 - Class 1 Zone 1, Exe/AExe II, T5 or T6
 - Enclosure rating: IP66
 - 600 Volt Max, 400 Amp Max
 - Maximum Dissipated Power: 489 Amp
 - CSA Listed: 0130170000
 - CSA Type 4X
- International
 - CENELEC LCIE 02 ATEX 6118X
 - IEC LCIE Ex 02.010X
 - EEx ed/ EEx « i » IIC, T3 to T6
 - IP66, IK10
 - CE Declaration of Conformity
 - Standards: EN 50281-1-1 and IEC 61241-1-1

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CSA Type 4X

Illustrated Features



Optional Patented Removable Locking Device.
Part Number **097209**.



Patented Reversible Door. Opens to 210°, top, bottom, left or right, by moving the location of the hinges.



Patented Reversible Anti-vibration mounting brackets, can be mounted in top, side or bottom positions.



Polyurethane Poured in Place Door Gasket and Stainless Steel Captive Screws.



M8 Feed-thru Earth/Ground Terminal.



Optional Removable Gland Plate.

Enclosures and Junction Boxes

Catalog Numbering Guide

Confirm size and gland plate availability in below table.

<p>SJB</p> <p> </p> <p>SJB Series</p>	<p>12</p> <p> </p> <p>Height Dimensions in/mm: 12 - 4.72/120 18 - 7.09/180 22 - 8.66/220 26 - 10.24/260 37 - 14.57/370 56 - 22.05/560 75 - 29.58/750 11 - 44.49/1130</p>	<p>12</p> <p> </p> <p>Width Dimensions in/mm: 12 - 4.72/120 18 - 7.09/180 22 - 8.66/220 26 - 10.24/260 37 - 14.57/370 56 - 22.05/560 75 - 29.58/750</p>	<p>95</p> <p> </p> <p>Depth Dimensions in/mm: 95 - 3.74/95 15 - 5.91/150 20 - 7.87/200 30 - 11.81/300</p>	<p>0</p> <p> </p> <p>Gland Plates: 0 - none 1 - one bottom 3 - two sides and bottom 4 - All sides</p>	<p>N</p> <p> </p> <p>Mounting Pan: N - None P - Mounting pan</p>	<p>25</p> <p> </p> <p>Terminal Block Size in/mm: 25 - 0.10/2.5 04 - 0.16/4.0 06 - 0.24/6.0 10 - 0.39/10.0 16 - 0.63/16.0 35 - 1.378/35.0</p>	<p>010</p> <p> </p> <p>Terminal Block Quantity: 010 - 10 050 - 50 100 - 100</p>
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ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES - CABLE

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CSA Approved
CSA Type 4X

Height	Dimension in Inches/Millimeters			Possible Gland Plates					Catalog Number
	Width	Depth		0	1	2	3	4	
4.72/120	4.72/120	3.74/95		✓	—	—	—	—	SJB121295
4.72/120	7.09/180	3.74/96		✓	—	—	—	—	SJB121895
7.09/180	4.72/120	3.74/97		✓	—	—	—	—	SJB181295
7.09/180	7.09/180	3.74/98		✓	—	—	—	—	SJB181895
8.66/220	10.24/260	5.91/150		✓	✓	✓	✓	✓	SJB222615
10.24/260	8.66/220	5.91/151		✓	✓	✓	✓	✓	SJB262215
8.66/220	14.57/370	7.87/200		✓	✓	✓	✓	✓	SJB223720 †
14.57/370	8.66/220	7.87/201		✓	✓	✓	✓	✓	SJB372220
10.24/260	14.57/370	7.87/202		✓	✓	✓	✓	✓	SJB263720
14.57/370	10.24/260	7.87/203		✓	✓	✓	✓	✓	SJB372620 †
14.57/370	14.57/370	7.87/204		✓	✓	✓	✓	✓	SJB373720 †
14.57/370	22.05/560	7.87/205		✓	✓	✓	✓	✓	SJB375620
22.05/560	14.57/370	7.87/206		✓	✓	✓	✓	✓	SJB563720 †
14.57/370	29.53/750	7.87/207		✓	✓	✓	✓	✓	SJB377520
29.53/750	14.57/370	7.87/208		✓	✓	✓	✓	✓	SJB753720
22.05/560	22.05/560	7.87/209		✓	✓	✓	✓	✓	SJB565620 ‡
22.05/560	29.53/750	7.87/210		✓	✓	✓	✓	✓	SJB567520
14.57/370	14.57/370	11.81/300		✓	✓	✓	✓	✓	SJB373730
14.57/370	22.05/560	11.81/301		✓	✓	✓	✓	✓	SJB375630
22.05/560	14.57/370	11.81/302		✓	✓	✓	✓	✓	SJB563730
14.57/370	29.53/750	11.81/303		✓	✓	✓	✓	✓	SJB377530
29.53/750	14.57/370	11.81/304		✓	✓	✓	✓	✓	SJB753730
22.05/560	22.05/560	11.81/305		✓	✓	✓	✓	✓	SJB565630
22.05/560	29.53/750	11.81/306		✓	✓	✓	✓	✓	SJB567530
29.53/750	22.05/560	11.81/307		✓	✓	✓	✓	✓	SJB755630
44.49/1130	29.53/750	11.81/308		—	—	—	—	—	SJB117530

† No gland plates.
‡ One gland plate.

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Enclosure: IP66

CSA Approved
CSA Type 4X

Maximum Terminal Block Information

To order terminal blocks: Use nomenclature below. Supplied installed on a mounting pan. Can be installed on uprights and rails. Contact your local sales representative.

Catalog Number	Number Rails Horizontal	Terminal Size in/mm	Qty. Max. Physical	Terminal Amp	Qty. Max. at Max. Amps	Terminal Amp
SJB121295	1	0.10/2.5	10	10	4	15
SJB121295	1	0.16/4.0	8	10	5	20
SJB121895	1	0.10/2.5	20	10	9	15
SJB121895	1	0.16/4.0	18	10	10	20
SJB181295	1	0.10/2.5	10	10	4	15
SJB181295	1	0.16/4.0	8	10	5	20
SJB181895	1	0.10/2.5	21	10	10	15
SJB181895	1	0.16/4.0	18	15	11	20
SJB222615	2	0.10/2.5	40	10	18	15
SJB222615	2	0.16/4.0	30	15	18	20
SJB262215	1	0.16/4.0	23	10	15	20
SJB262215	1	0.27/6.0	17	20	12	30
SJB223720	3	0.16/4.0	48	10	27	20
SJB223720	3	0.27/6.0	36	20	15	30
SJB372220	1	0.16/4.0	41	15	27	20
SJB372220	1	0.27/6.0	31	20	15	30
SJB263720	3	0.16/4.0	69	10	30	20
SJB263720	2	0.27/6.0	32	20	18	30
SJB372620	2	0.16/4.0	82	10	30	20
SJB372620	2	0.27/6.0	62	15	18	30
SJB373720	3	0.27/6.0	93	10	21	30
SJB373720	2	0.39/10.0	74	20	21	40
SJB375620	4	0.27/6.0	124	15	30	30
SJB375620	4	0.39/10.0	100	20	28	40
SJB563720	3	0.27/6.0	165	10	30	30
SJB563720	3	0.39/10.0	132	15	27	40

Catalog Number	Number Rails Horizontal	Terminal Size in/mm	Qty. Max. Physical	Terminal Amp	Qty. Max. at Max. Amps	Terminal Amp
SJB377520	6	0.39/10.0	150	15	30	40
SJB377520	5	0.63/16.0	100	20	30	50
SJB753720	3	0.39/10.0	189	15	33	40
SJB753720	2	0.63/16.0	104	20	32	50
SJB565620	4	0.39/10.0	176	15	36	40
SJB565620	4	0.63/16.0	104	30	36	50
SJB567520	5	0.63/16.0	180	20	45	50
SJB567520	4	1.38/35.0	116	40	32	90
SJB373730	3	0.27/6.0	93	15	27	30
SJB373730	2	0.39/10.0	74	20	26	40
SJB375630	4	0.27/6.0	124	15	36	30
SJB375630	4	0.39/10.0	100	20	32	40
SJB563730	3	0.27/6.0	165	10	36	30
SJB563730	3	0.39/10.0	132	20	33	40
SJB377530	6	0.39/10.0	150	20	42	40
SJB377530	5	0.63/16.0	100	30	40	50
SJB753730	3	0.39/10.0	189	15	42	40
SJB753730	2	0.63/16.0	104	30	42	50
SJB565630	4	0.39/10.0	176	20	44	40
SJB565630	4	0.63/16.0	104	30	44	50
SJB567530	5	0.63/16.0	180	20	55	50
SJB567530	4	1.38/35.0	116	40	36	90
SJB755630	3	0.63/16.0	104	30	54	50
SJB755630	3	1.38/35.0	84	50	36	90
SJB117530	6	1.38/35.0	252	40	60	90
SJB117530	4	2.76/70.0	112	80	36	145





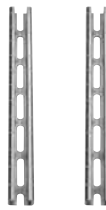
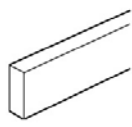

* Maximum physical at amperage indicated, capable of accepting more terminals at lower amperage. Contact your local sales representative.

A.T.X.[®] SJB Series 316L Stainless Steel Junction Boxes

Explosion Protected Terminal Enclosure

cCSAus Approved
CEC/NEC
Class I Zone 1
Exe/AExe II, T5 or T6
Enclosure: IP66

CSA Approved
CSA Type 4X

		Catalog Number			
		 Symmetrical Depth = 0.59"/15 mm	 Asymmetrical		
		Rail Length in/mm			
Zinc Plated Steel Rail					
<i>For fixing onto uprights with clip nut supplied.</i>					
 Symmetrical		3.93/100	SJBSCP100	—	
		6.30/160	SJBSCP160	—	
	 Asymmetrical		6.69/170	SJBSCP170	SJBACP170
			7.87/200	SJBSCP200	SJBACP200
			12.60/320	SJBSCP320	SJBACP320
	20.08/510	SJBSCP510	SJBACP510		
	27.56/700	SJBSCP700	SJBACP700		
	42.52/1080	SJBSCP1080	SJBACP1080		
		Bar Length in/mm	Catalog Number		
Zinc Plated Steel Uprights					
<i>Set of two.</i>					
		7.87/200	SJBSR200		
		12.20/310	SJBSR310		
		19.68/500	SJBSR500		
		27.17/690	SJBSR690		
		42.13/1070	SJBSR1070		
Copper Bar (.47 x .16" / 12 x 4 mm)					
<i>Copper bar not perforated for cable clamps.</i>					
		6.30/160	SJBCGB160		
		7.87/200	SJBCGB200		
		12.20/310	SJBCGB310		
		19.68/500	SJBCGB500		
		27.17/690	SJBCGB690		
	42.13/1070	SJBCGB1070			
Cable Clamp for Copper Bar (.47 x .16" / 12 x 4 mm)					
		0.002 in ² to 0.006 in ² / 1.5 mm ² to 4 mm ² Capacity — Set of 100		SJBGBC154	
		0.009 in ² to 0.025 in ² / 6 mm ² to 16 mm ² Capacity — Set of 10		SJBGBC616	

Enclosures and Junction Boxes

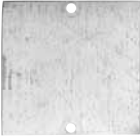


ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES — CABLE

A.T.X.[®] SJB Series 316L Stainless Steel Junction Boxes

Explosion Protected Terminal Enclosure

cCSAus Approved
CEC/NEC
Class I Zone 1
Exe/AExe II, T5 or T6
Enclosure: IP66

CSA Approved
CSA Type 4X

Dimensions Inches/Millimeters		Catalog Number
Height	Width	
Mounting Pan – Zinc Plated Steel		
	8.66/220	SJBG370
	14.57/370	SJBG260
	10.24/260	SJBG370
	14.57/370	SJBG370
	22.05/560	SJBG370
	14.57/370	SJBG560
	29.53/750	SJBG370
	14.57/370	SJBG750
	22.05/560	SJBG560
	29.53/750	SJBG560
	22.05/560	SJBG750
Spacers for Mounting at Back of Box <i>Set of two insulated pillars for copper bar .47 x .16" / 12 x 4 mm.</i>		
	Height = 3.94"/100 mm	SJBS100
	Height = 1.97"/50 mm	SJBS500
Additional Door Padlocking Device <i>Padlock not supplied</i>		
		SJBPL

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES Series Pre-Drilled 316L Stainless Steel Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
Ⓢ II 2 GD
ATEX / IEC
IP66 – IK10

Applications

- Terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas, where flammable dusts are present either continuously or intermittently, such as:
 - Food processing
 - Dairy
 - Brewing
 - Pharmaceutical industry
 - Silos and other facilities

Features

- Smooth, continuously welded seams.
- Hinges supplied on all boxes from 14.57" x 10.24" / 370 mm x 260 mm sizes.
- Poured-in-place polyurethane door gasket.
- Earth crossing terminal.
- Factory drilled and equipped.

Standard Material

- Enclosure: 316L chrome plated molybdenum stainless steel with natural burnished finish
- Hardware: 316L stainless steel

Options

- For use with equipment other than Ex terminal blocks, see ECES series enclosures and controls.

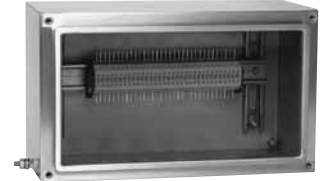
Certifications and Compliances

- Certification Type JBe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC,
 - T Rating: T6 to T5
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T176 °F/T80 °C to T203 °F/T95 °C
 - Ambient Temperature: -58 °F/-50 °C to 158 °F/70 °C
 - CE Declaration of Conformity: 50232
 - ATEX Certificate: LCIE 02 ATEX 6118X
 - IEC Certificate: IEC Ex 02.010X
- Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-1; 60079-11, 61241-0; 61241-1; 61241-11
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

JBe10 — Without Terminals



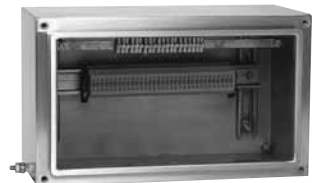
JBe46 — Equipped with Terminals



JBe46 — Equipped with Terminals



JBe46 — Equipped with Terminals



Enclosures and Junction Boxes

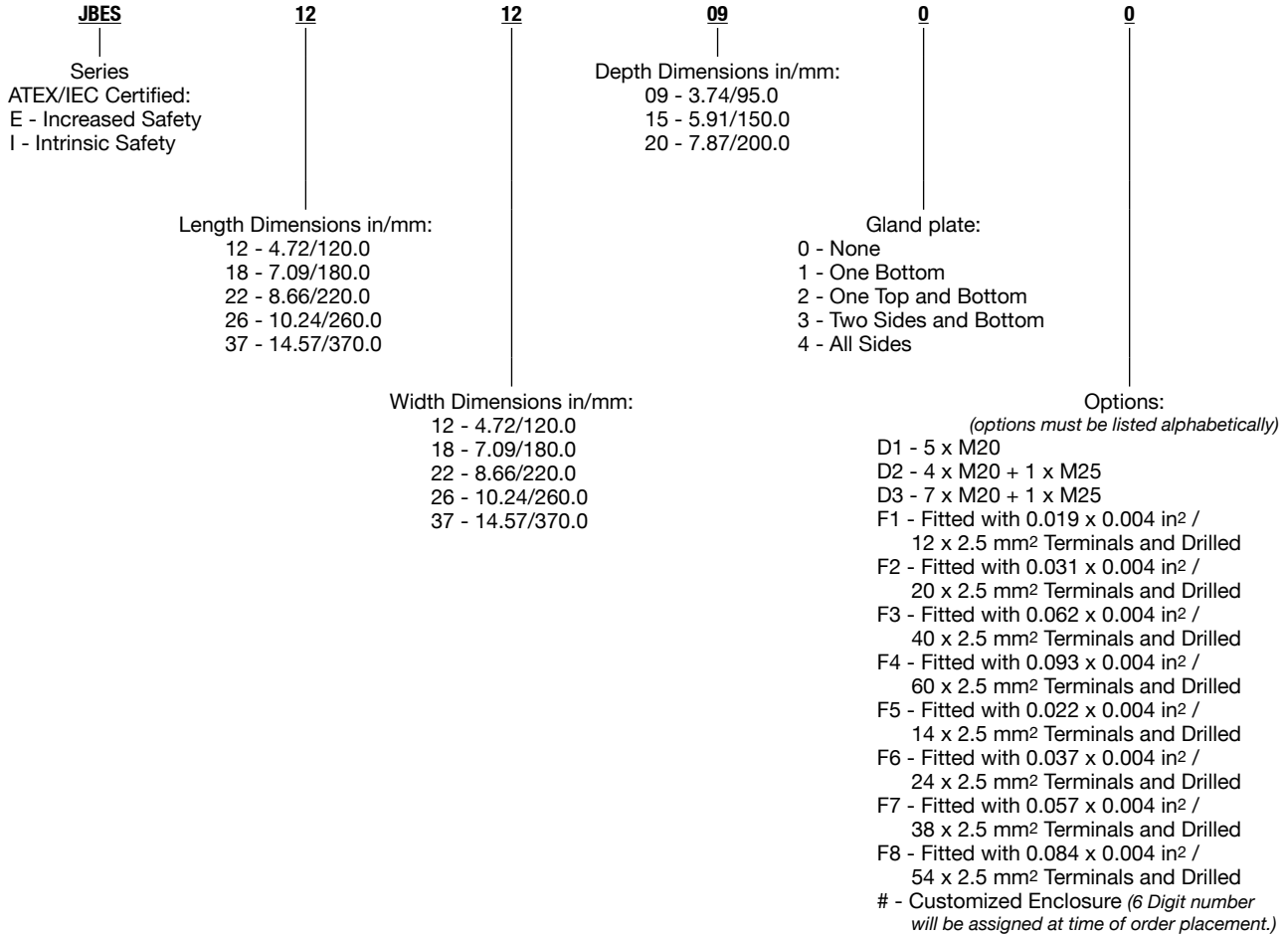
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES Series Pre-Drilled 316L Stainless Steel Junction Boxes

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

Catalog Numbering Guide



Maximum Rail Arrangement According to Physical Dimensions

Type	Protection	Terminal Size in ² /mm ²	Quantity	Max. Amps
JBe10	T6 @ Ta = 131 °F/55° C	0.004/2.5	10	16A
		0.006/4.0	8	25A
		0.009/6.0	6	32A
JBe20	T6 @ Ta = 131 °F/55° C	0.004/2.5	21	16A
		0.006/4.0	18	25A
		0.009/6.0	13	32A

For other terminal block configurations, consult our drilling guide available online at our website www.egsatx.com.

A.T.X.[®] JBES Series Pre-Drilled 316L Stainless Steel Junction Boxes

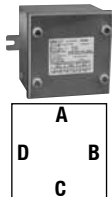
Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

Type	Dimensions L x W x D in/mm	Rail Length Capacity in/mm	Clearance Holes per side				Weight lb/kg	Volume in ³ /dm ³	Catalog Number
			A	B	C	D			

Factory Drilled Ex e II 316L Stainless Steel Junction Boxes Fitted with:

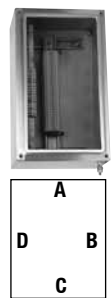
One horizontal symmetrical zinc plated rail. For use only with Ex terminals (not supplied). M6 external earth crossing terminal.



JBe10	4.72 x 4.72 x 3.74/ 120 x 120 x 95	4/100	1 x M20	1 x M20	2 x M20	1 x M20	2.20/ 1.0	85.43/ 1.4	JBES1212090D1
JBe20	4.72 x 4.72 x 3.74/ 120 x 120 x 95	6/160	–	1 x M20	2 x M20 1 x M25	1 x M20	3.31/ 1.5	122.05/ 2.0	JBES1218090D2
JBe20	4.72 x 4.72 x 3.74/ 120 x 120 x 95	6/160	–	2 x M20	3 x M20 1 x M25	2 x M20	3.31/ 1.5	122.05/ 2.0	JBES1218090D3

Factory Drilled and Equipped with Terminals Ex e II 316L Stainless Steel Instrumentation Junction Boxes Fitted with:

Vertical beige Exe terminal block. Insulated copper bar with connectors. White laminated plastic tag with black lettering. M8 external earth crossing terminal. Cable glands and plugs to be ordered separately.



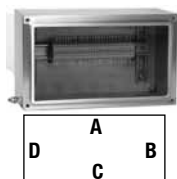
JBe20	7.09 x 4.72 x 3.74/ 180 x 120 x 95	12 (6 Pairs)	8	3 x M20	1 x M25 1 x M20	3 x M20	5.51/ 2.5	122.05/ 2.0	JBES1812090F1
JBe36	10.24 x 8.66 x 5.91/ 260 x 220 x 150	20 (10 Pairs)	12	5 x M20	1 x M32 1 x M20	5 x M20	8.82/ 4.0	524.80/ 8.6	JBES2622150F2
JBe46	14.57 x 8.66 x 7.87/ 370 x 220 x 200	40 (20 Pairs)	22	10 x M20	1 x M40 1 x M20	10 x M20	19.84/ 9.0	994.69/ 16.3	JBES372220F3
JBe47	14.57 x 10.24 x 7.87/ 370 x 260 x 200	60 (30 pairs)	32	15 x M20	1 x M50 1 x M20	15 x M20	11.0/ 24.25	1177.76/ 19.3	JBES3726200F4

Ex ia IIC Version: Replace Third Digit “E” with “I” (Example: JBES1812090F1 becomes JBIS1812090F1) Fitted with:

Vertical blue terminal block. Insulated copper bar with connectors. Blue laminated plastic tag with white lettering. M8 external earth crossing terminal. Cable glands and plugs to be ordered separately.

Factory Drilled and Equipped with Terminals Ex e II 316L Stainless Steel Instrumentation Junction Boxes Fitted with:

Horizontal beige Exe terminal block. Continuity shield. White laminated plastic tag with black lettering. M8 External earth crossing terminal. Cable glands and plugs to be ordered separately.



JBe36	8.66 x 10.24 x 5.91/ 220 x 260 x 150	14 (7 Pairs)	7	1 x M25	7 x M20		8.82/ 4.0	524.80/ 8.6	JBES2226150F5
JBe36	8.66 x 10.24 x 5.91/ 220 x 260 x 150	24 (12 pairs)	12	1 x M32	12 x M20		8.82/ 4.0	524.80/ 8.6	JBES2226150F6
JBe46	8.66 x 14.57 x 7.87/ 220 x 370 x 200	38 (19 pairs)	19	1 x M32	19 x M20		19.84/ 9.0	994.69/ 16.3	JBES2237200F7
JBe46	8.66 x 14.57 x 7.87/ 220 x 370 x 200	54 (27 pairs)	27	1 x M40	27 x M20		19.84/ 9.0	994.69/ 16.3	JBES2237200F8

Ex ia IIC Version: Replace Third Digit “E” with “I” (Example: JBES2226150F5 becomes JBIS2226150F5) Fitted with:

Horizontal blue terminal block. Continuity shield. Blue laminated plastic tag with white lettering. M8 external earth crossing terminal. Cable glands and plugs to be ordered separately.

Enclosures and Junction Boxes

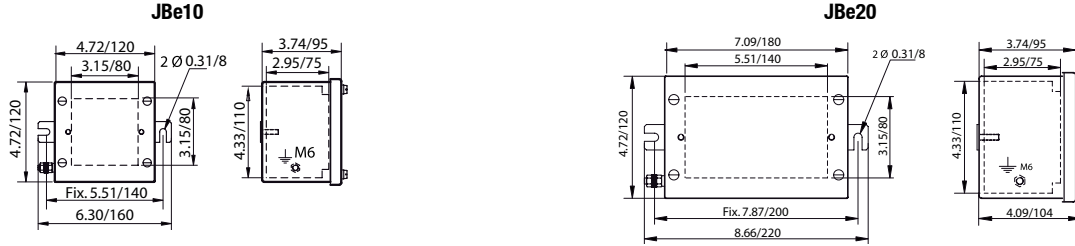
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES Series Pre-Drilled 316L Stainless Steel Junction Box Dimensions

Increased Safety

Dimensions in Inches/Millimeters

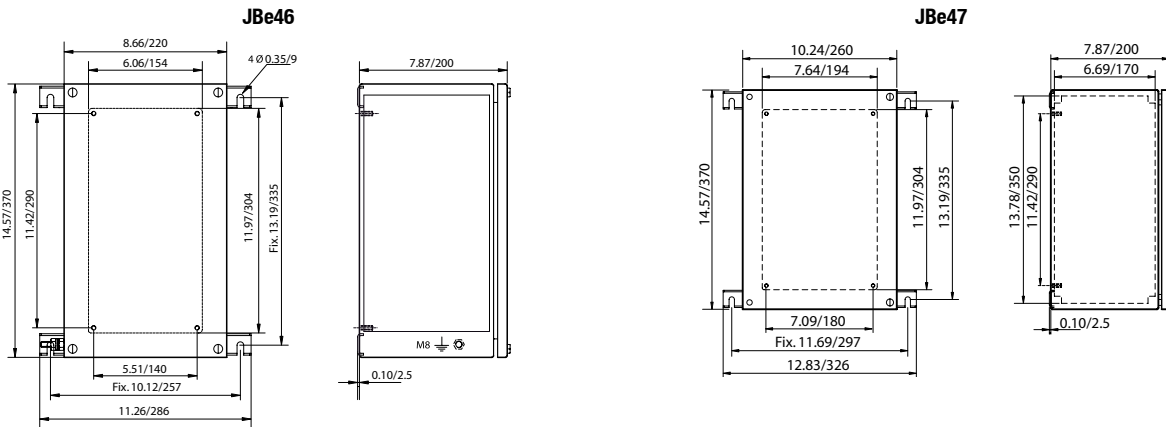
Factory Drilled without Terminal Block (DIN rail supplied)



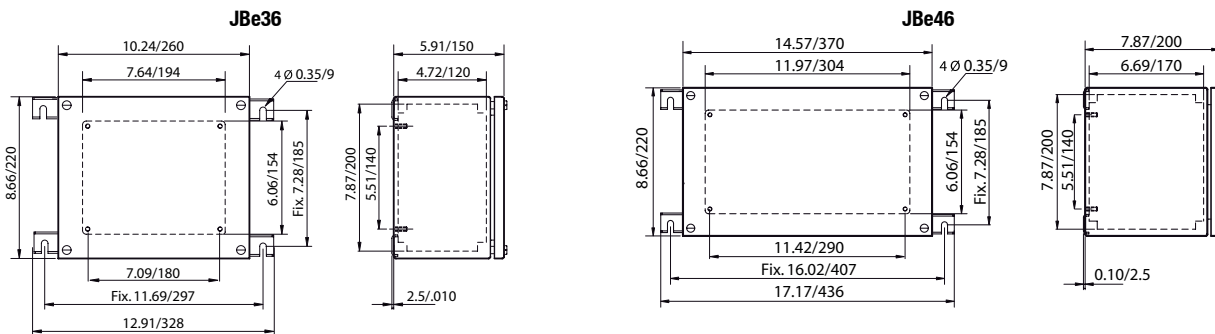
Factory Drilled and Equipped with Vertical Terminal Block



Factory Drilled and Equipped with Vertical Terminal Block



Factory Drilled and Equipped with Horizontal Terminal Block



ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES — CABLE Enclosures and Junction Boxes

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
II 2 GD
ATEX / IEC
IP66 – IK10

Applications

- Designed for use in Zone 1 or 2 areas where flammable gases or vapors are present either continuously or intermittently.
- Ideal for use in wet or corrosive atmospheres such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Pharmaceutical industry
 - Other commercial facilities
- JBES Series
 - Terminal junction box for electrical low voltage and instrumentation connections for use in hazardous areas.
 - Refer to technical data to define permitted number of terminal blocks and cable entries on selected junction boxes.
- ECES Series
 - Enclosure for distribution and control applications must be customized at our workshop to house a large range of components such as control units, switches, breakers, transformers, meters, etc.

Features

- Smooth, continuously welded seams.
- Available in a wide range of sizes.
- Operating temperature -58 °F/-50 °C to 158 °F/70 °C (JBES series) and -58 °F/-50 °C to 131 °F/55 °C (ECES series).
- Can be supplied with 1, 2, 3 or even 4 neoprene sealed gland plates for ease of cable installation.
- Hinges standard on all sizes above 14.57" x 10.24" / 370.0 mm x 260.0 mm.
- Poured-in-place polyurethane door gasket.
- Feed-thru earth grounding stud.
- Reversible door, opens 210 degrees, from any location top; bottom, left or right, by means of removable hinges that can be installed in any position.
- Reversible anti-vibration mounting brackets can be mounted on the top, bottom or side positions.
- Optional removable padlocking device.

Standard Materials

- Enclosure: 316L chrome plated stainless steel
- Hardware: 316L stainless steel

Standard Finishes

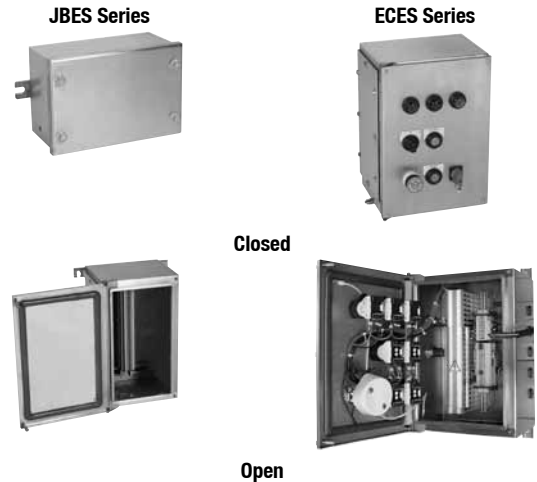
- Natural brushed finish

Accessories

- Mounting pan
- Rail mounting
- Padlocking device
- Door locking bracket for easy access
- Inside pocket
- Refer to technical data to define permitted number of terminals and cable entries acceptance

Options

- Removable gland plates.
- Nameplate.



- Factory drilled and assembled, contact your local representative for information.
- Medium voltage application (11 kV max.), contact your local representative for information.
- Intrinsic safety version (JBIS) available with the use of intrinsic terminals.
- CSA and CUL certified terminal junction box available. Contact your local representative for information.

Certifications and Compliances

- Certification Type JBe
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 II 2 G
 - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC, Ex de IIC, Ex demb IIC
 - 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: T176 °F/T80 °C to T266 °F/T130 °C
 - Ambient Temperature: -58 °F/-50 °C to 158 °F/70 °C
 - CE Declaration of Conformity: 50232
 - ATEX Certificate: LCIE 02 ATEX 6118X
 - IEC Certificate: LCIE Ex 02.010X
 - Other Certifications: GOST
- Certification Type JBe U
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 II 2 G
 - ATEX/IEC Protection: Ex e II
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -58 °F/-50 °C to 158 °F/70 °C
 - CE Declaration of Conformity: 5C240
 - ATEX Certificate: LCIE 09 ATEX 3025U
 - IEC Certificate: LCIE Ex 09.001U
 - Ingress Protection (solid and liquid): IP66
 - Impact Resistance (shock): IK10
 - Ex Standards: EN/IEC 60079-0; 60079-1; 60079-7; 60079-11, 61241-0; 61241-1; 61241-11
 - Other Standards: EN/IEC 60529 (IP), 62262 (IK)

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

Illustrated Features



Optional removable locking device.
 Part Number 097209



Reversible antivibration mounting brackets,
 can be mounted in top, side or bottom
 positions.



M8 feed-thru earth/ground terminal.



Polyurethane poured in place door gasket and
 stainless steel captive screws.



Reversible door. Opens to 210°, top, bottom,
 left or right, by moving the location of the
 hinges



Optional removable gland plate.

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

Catalog Numbering Guide

<p>JBES Series ATEX/IEC Certified: EC - Enclosure and Controls JB - Junction Box E - Increased Safety I - Intrinsic Safety S - Stainless Steel</p>	<p>12 Length Dimensions in/mm: 12 - 4.72/120.0 18 - 7.09/180.0 22 - 8.66/220.0 26 - 10.24/260.0 37 - 14.57/370.0 56 - 22.05/560.0 75 - 29.53/750.0 11 - 44.49/1130.0</p>	<p>12 Width Dimensions in/mm: 12 - 4.72/120.0 18 - 7.09/180.0 22 - 8.66/220.0 26 - 10.24/260.0 37 - 14.57/370.0 56 - 22.05/560.0 75 - 29.53/750.0</p>	<p>09 Depth Dimensions in/mm: 09 - 3.58/91.0 15 - 5.91/150.0 20 - 7.87/200.0 30 - 11.81/300.0</p>	<p>0 Gland plate: 0 - None 1 - One Bottom 2 - One Top and Bottom 3 - Two Sides and Bottom 4 - All Sides</p>	<p>M Options: <i>(options must be listed alphabetically)</i> M - Mounting Pan U - Component Certification "U" # - Customized Enclosure (6 Digit number will be assigned at time of order placement.)</p>
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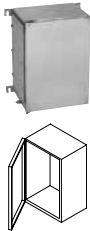
A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

JBES Series

Type	Dimensions L x W x D in/mm	Hinged Door ‡	Vertical Orientation Rail Length in/mm	Horizontal Orientation Rail Length in/mm	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
JBe10	4.72 x 4.72 x 3.74/ 120 x 120 x 95	N	–	3.94/ 100	2.20/ 1.0	85.43/ 1.4	JBES1212090_
JBe20	4.72 x 7.09 x 3.74/ 120 x 180 x 95	N	–	6.30/ 160	3.31/ 1.5	122.05/ 2.0	JBES1218090_
JBe30	7.09 x 7.09 x 3.74/ 180 x 180 x 95	N	–	6.30/ 160	3.97/ 1.8	183.07/ 3.0	JBES1818090_
JBe36	8.66 x 10.24 x 5.91/ 220 x 260 x 150	R	6.69/ 170	8.27/ 210	11.02/ 5.0	524.80/ 8.6	JBES2226150_
JBe36	10.24 x 8.66 x 5.91/ 260 x 220 x 150	R	8.27/ 210	6.69/ 170	11.02/ 5.0	524.80/ 8.6	JBES2622150_
JBe46	8.66 x 14.57 x 7.87/ 220 x 370 x 200 †	R	6.69/ 170	12.60/ 320	18.74/ 8.5	994.69/ 16.3	JBES2237200_
JBe47	10.24 x 14.57 x 7.87/ 260 x 370 x 200 †	Y	8.27/ 210	12.60/ 320	19.84/ 9.0	1177.76/ 19.3	JBES2637200_
JBe46	14.57 x 8.66 x 7.87/ 370 x 220 x 200 †	R	12.60/ 320	6.69/ 170	18.74/ 8.5	1012.99/ 16.6	JBES3722200_
JBe47	14.57 x 10.24 x 7.87/ 370 x 260 x 200 †	Y	12.60/ 320	8.27/ 210	19.84/ 9.0	1177.76/ 19.3	JBES3726200_
JBe55	14.57 x 14.57 x 7.87/ 370 x 370 x 200 †	Y	12.60/ 320	12.60/ 320	28.66/ 13.0	1672.05/ 27.4	JBES3737200_
JBe65	14.57 x 22.05 x 7.87/ 370 x 560 x 200 †	Y	12.60/ 320	20.08/ 510	19.84/ 9.0	2532.49/ 41.5	JBES3756200_
JBe75	14.57 x 29.53 x 7.87/ 370 x 750 x 200 †	Y	12.60/ 320	27.56/ 700	52.91/ 24.0	3386.82/ 55.5	JBES3775200_
JBe65	22.05 x 14.57 x 7.87/ 560 x 370 x 200 †	Y	20.08/ 510	12.60/ 320	19.84/ 9.0	2532.49/ 41.5	JBES5637200_
JBe77	22.05 x 22.05 x 7.87/ 560 x 560 x 200 †	Y	20.08/ 510	20.08/ 510	61.73/ 28.0	3832.29/ 62.8	JBES5656200_
JBe79	22.05 x 29.53 x 7.87/ 560 x 750 x 200 †	Y	20.08/ 510	27.56/ 700	72.75/ 33.0	5125.99/ 84.0	JBES5675200_
JBe75	29.53 x 14.57 x 7.87/ 750 x 370 x 200 †	Y	27.56/ 700	12.60/ 320	52.91/ 24.0	3386.82/ 55.5	JBES7537200_
JBe79	29.53 x 22.05 x 7.87/ 750 x 560 x 200 †	Y	27.56/ 700	20.08/ 510	72.75/ 33.0	5125.99/ 84.0	JBES7556200_
JBe86	44.49 x 29.53 x 11.81/ 1130 x 750 x 300	Y	42.52/ 1080	27.56/ 700	110.23/ 50.0	14340.58/ 235.0	JBES1175300_



† 7.87"/200 mm depth enclosure available with 11.81"/300 mm depth – replace digit 2 with 3 – Example: JBES3737304.
 ‡ N: Not Available, R: On request or separate accessories, Y: Supplied.

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

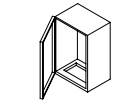
Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

JBES Series

Type	Dimensions L x W x D in/mm	Hinged Door ‡	One Gland Plate Catalog Number	Two Gland Plates Catalog Number	Three Gland Plate Catalog Number	Four Gland Plates Catalog Number
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Ex e II 316L Stainless Steel Terminal Junction Boxes with Gland Plates 0.12"/3 mm Thick

For use only with Ex terminals (not supplied). M8 External earth crossing terminal. Mounting pan and rails to be ordered separately.



One Gland Plate



Two Gland Plate



Gland Plate Three



Four Gland Plate

JBe36	8.66 x 10.24 x 5.91/ 220 x 260 x 150	R	JBES2226151_	JBES2226152_	JBES2226153_	JBES2226154_
JBe36	8.66 x 10.24 x 5.91/ 220 x 260 x 150	R	JBES2622151_	JBES2622152_	JBES2622153_	JBES2622154_
JBe46	8.66 x 14.57 x 7.87/ 220 x 370 x 200 †	R	JBES2237201_	JBES2237202_	JBES2237203_	JBES2237204_
JBe47	8.66 x 14.57 x 7.87/ 220 x 370 x 200 †	Y	JBES2637201_	JBES2637202_	JBES2637203_	JBES2637204_
JBe46	14.57 x 8.66 x 7.87/ 370 x 220 x 200 †	R	JBES3722201_	JBES3722202_	JBES3722203_	JBES3722204_
JBe47	14.57 x 10.24 x 7.87/ 370 x 260 x 200 †	Y	JBES3726201_	JBES3726202_	JBES3726203_	JBES3726204_
JBe55	14.57 x 14.57 x 7.87/ 370 x 370 x 200 †	Y	JBES3737201_	JBES3737202_	JBES3737203_	JBES3737204_
JBe65	14.57 x 22.05 x 7.87/ 370 x 560 x 200 †	Y	JBES3756201_	JBES3756202_	JBES3756203_	JBES3756204_
JBe75	14.57 x 29.53 x 7.87/ 370 x 750 x 200 †	Y	JBES3775201_	JBES3775202_	JBES3775203_	JBES3775204_
JBe65	22.05 x 14.57 x 7.87/ 560 x 370 x 200 †	Y	JBES5637201_	JBES5637202_	JBES5637203_	JBES5637204_
JBe77	22.05 x 22.05 x 7.87/ 560 x 560 x 200 †	Y	JBES5656201_	JBES5656202_	JBES5656203_	JBES5656204_
JBe79	22.05 x 29.53 x 7.87/ 560 x 750 x 200 †	Y	JBES5675201_	JBES5675202_	JBES5675203_	JBES5675204_
JBe75	29.53 x 14.57 x 7.87/ 750 x 370 x 200 †	Y	JBES7537201_	JBES7537202_	JBES7537203_	JBES7537204_
JBe79	29.53 x 22.05 x 7.87/ 750 x 560 x 200 †	Y	JBES7556201_	JBES7556202_	JBES7556203_	JBES7556204_
JBe86	44.49 x 29.53 x 11.81/ 1130 x 750 x 300	Y	JBES1175301_	JBES1175302_	JBES1175303_	JBES1175304_



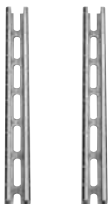
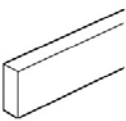

† 7.87"/200 mm depth enclosure available with 11.81"/300 mm depth – replace digit 2 with 3 – Example: JBES3737304.

‡ N: Not Available, R: On request or separate accessories, Y: Supplied.

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosure Accessories

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

	Enclosure Length in/mm	Rail Length in/mm	Catalog Number		Pack
			Symmetrical	Asymmetrical	
Zinc Plated Steel Rail					
<i>For fixing onto uprights with clip nut supplied.</i>					
	4.72/120	3.93/100	097246	—	1
	7.09/180	6.30/160	097247	—	1
	8.66/220	6.69/170	097240	097250	1
	10.24/260	8.27/210	097241	097251	1
	14.57/370	12.60/320	097242	097252	1
	22.05/560	20.08/510	097243	097253	1
	29.53/750	27.56/700	097244	097254	1
	44.49/1130	42.52/1080	097245	097255	1
Zinc Plated Steel Uprights					
<i>Set of two.</i>					
	8.66/220	6.30/160		097230	1
	10.24/260	7.87/200		097231	1
	14.57/370	12.20/310		097232	1
	22.05/560	19.68/500		097233	1
	29.53/750	27.17/690		097234	1
	44.49/1130	42.13/1070		097235	1
Copper Bar (.47 x .16" / 12 x 4 mm)					
<i>Copper bar not perforated for cable clamps.</i>					
	8.66/220	6.30/160		097270	1
	10.24/260	7.87/200		097271	1
	14.57/370	12.20/310		097272	1
	22.05/560	19.68/500		097273	1
	29.53/750	27.17/690		097274	1
	44.49/1130	42.13/1070		097275	1
Cable Clamp for Copper Bar (.47 x .16" / 12 x 4 mm)					
	0.002 in ² to 0.006 in ² / 1.5 mm ² to 4 mm ² Capacity			097203	1
	0.009 in ² to 0.025 in ² / 6 mm ² to 16 mm ² Capacity			097204	1

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosure Accessories

Increased Safety

Zone 1 and 2 – 21 and 22

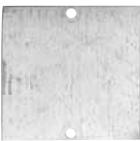






II 2 GD

ATEX / IEC

IP66 – IK10

Enclosures and Junction Boxes


ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

	Enclosure Dimensions Inches/Millimeters		Mounting Pan Dimensions Inches/Millimeters	Catalog Number	Pack
	Height	Width			
Mounting Pan – Zinc Plated Steel					
	4.72/120	4.72/120	3.93 x 3.93 / 100 x 100	097277	1
	4.72/120	7.09/180	3.93 x 6.30 / 100 x 160	097278	1
	7.09/180	7.09/180	6.30 x 6.30 / 160 x 160	097279	1
	8.66/220	10.24/260	6.30 x 7.87 / 160 x 200	097280	1
	8.66/220	14.57/370	6.30 x 12.20 / 160 x 310	097281	1
	10.24/260	14.57/370	7.87 x 12.20 / 200 x 310	097282	1
	14.57/370	14.57/370	12.20 x 21.20 / 310 x 310	097283	1
	14.57/370	22.05/560	12.20 x 19.68 / 310 x 500	097284	1
	14.57/370	29.53/750	12.20 x 27.17 / 310 x 690	097285	1
	22.05/560	22.05/560	19.68 x 19.68 / 500 x 500	097286	1
	22.05/560	29.53/750	19.68 x 27.17 / 500 x 690	097287	1
	44.49/1130	29.53/750	27.17 x 42.13 / 690 x 1070	097288	1
	Spacers for Mounting at Back of Box <i>Set of two insulated pillars for copper bar .47 x .16" / 12 x 4 mm.</i>				
	Height = 3.94"/100 mm			097206	1
	Height = 1.97"/50 mm			097207	1
Conversion Kit – Door to Cover <i>Must be used to remove hinges.</i>					
				097202	1
Spare Hinges					
	Set of Two			097201	1
Spare Mounting Brackets – Set of Two					
	One left and one right.			097200	1
Self Adhesive Pocket for Drawings					
	External dimensions: 10.24 x 6.50" / 260 x 165 mm			097263	1
	Internal dimensions: 9.06 x 5.12 x .071" / 230 x 130 x 18 mm				
	External dimensions: 13.39 x 9.25" / 340 x 235 mm			097264	1
	Internal dimensions: 12.20 x 7.87 x 0.71" / 310 x 200 x 18 mm				
Additional Door Padlocking Device					
	Padlock not supplied.			097209	1
Locking Bracket					
	Locks door in open position during wiring			097265	1

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosure Accessories

Increased Safety

Zone 1 and 2 – 21 and 22
 II 2 GD
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Dimensions Inches/Millimeters			Gland Plate/Coupling Flange Dimensions		Catalog Number	Pack
Enclosure Width	Height		Inches/Millimeters			
Spare Gland Plate						
	8.66/220	5.91/150	B/D	6.69 x 4.72 / 170 x 120	JBESGP221B	1
	10.24/260	5.91/150	A/C	9.84 x 4.72 / 250 x 120	JBESGP261A	1
	10.24/260	7.87/200	A/C	9.84 x 6.69 / 250 x 170	JBESGP262A	1
	10.24/260	7.87/200	B/D	8.27 x 6.69 / 210 x 170	JBESGP262B	1
	14.57/370	7.87/200	A/C	14.17 x 6.69 / 360 x 170	JBESGP372A	1
	14.57/370	7.87/200	B/D	12.60 x 6.69 / 320 x 170	JBESGP372B	1
	22.05/560	7.87/200	A/C	21.65 x 6.69 / 550 x 170	JBESGP562A	1
	22.05/560	7.87/200	B/D	20.08 x 6.69 / 510 x 170	JBESGP562B	1
	29.53/750	7.87/200	A/C	29.13 x 6.69 / 740 x 170	JBESGP752A	1
	29.53/750	7.87/200	B/D	27.56 x 6.69 / 700 x 170	JBESGP752B	1
	10.24/260	11.81/300	A/C	9.84 x 10.63 / 250 x 270	JBESGP263A	1
	14.57/370	11.81/300	A/C	14.17 x 10.63 / 360 x 270	JBESGP373A	1
	14.57/370	11.81/300	B/D	12.60 x 10.63 / 320 x 270	JBESGP373B	1
	22.05/560	11.81/300	A/C	21.65 x 10.63 / 550 x 270	JBESGP563A	1
	22.05/560	11.81/300	B/D	20.08 x 10.63 / 510 x 270	JBESGP563B	1
	29.53/750	11.81/300	A/C	29.13 x 10.63 / 740 x 270	JBESGP753A	1
	29.53/750	11.81/300	B/D	27.56 x 10.63 / 700 x 270	JBESGP753B	1
	Coupling Flange					
	10.24/260	7.87/200	A/C	9.84 x 4.72 / 250 x 120	JBESCF262A	1
	14.57/370	7.87/200	A/C	14.17 x 6.69 / 360 x 170	JBESCF372A	1
	14.57/370	7.87/200	B/D	12.60 x 6.69 / 320 x 170	JBESCF372B	1
	22.05/560	7.87/200	A/C	21.65 x 6.69 / 550 x 170	JBESCF562A	1
	22.05/560	7.87/200	B/D	20.08 x 6.69 / 510 x 170	JBESCF562B	1
	29.53/750	7.87/200	A/C	29.13 x 6.69 / 740 x 170	JBESCF752A	1
	29.53/750	7.87/200	B/D	27.56 x 6.69 / 700 x 170	JBESCF752B	1
	14.57/370	11.81/300	A/C	14.17 x 10.63 / 360 x 270	JBESCF373A	1
	14.57/370	11.81/300	B/D	12.60 x 10.63 / 320 x 270	JBESCF373B	1
	22.05/560	11.81/300	A/C	21.65 x 10.63 / 550 x 270	JBESCF563A	1
	22.05/560	11.81/300	B/D	20.08 x 10.63 / 510 x 270	JBESCF563B	1
	29.53/750	11.81/300	A/C	29.13 x 10.63 / 740 x 270	JBESCF753A	1
	29.53/750	11.81/300	B/D	27.56 x 10.63 / 700 x 270	JBESCF753B	1



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

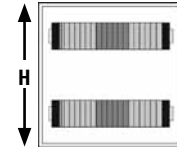
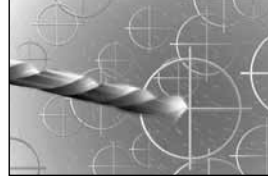
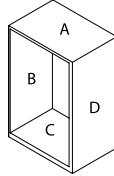
Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

JBES Series for Terminal Junction Box Application Only.

Use the table shown below to select the proper size junction box based upon your requirements. Custom drilled and equipped boxes can be configured using our drilling guide available online at www.egsatx.com.

Define maximum cable entries according to number of modules available per side.

Cable Entry Metric Thread	Number of Modules
M20	1
M25	1
M32	1
M40	2
M50	3



Type	Dimensions Inches/Millimeters			Number of Modules		Number of Modules †		Terminal Dim. H — in/mm
	Height	Width	Depth	A/C	B/D	A'/C'	B'/D'	
JBe10	4.72/120	4.72/120	3.74/95	5	5	—	—	8.66/220
JBe20	4.72/120	7.09/180	3.74/95	9	5	—	—	8.66/220
JBe30	7.09/180	7.09/180	3.74/95	9	9	—	—	8.66/220
JBe36	8.66/220	10.24/260	5.91/150	11	7	9	5	8.66/220
JBe36	10.24/260	8.66/220	5.91/150	7	11	5	9	10.24/260
JBe46	8.66/220	14.57/370	7.87/200	31	16	19	7	10.24/260
JBe46	14.57/370	8.66/220	7.87/200	16	31	7	9	14.57/370
JBe47	14.57/370	10.24/260	7.87/200	20	31	14	20	14.57/370
JBe47	10.24/260	14.57/370	7.87/200	31	20	19	10	10.24/260
JBe55	14.57/370	14.57/370	7.87/200	31	31	19	18	14.57/370
JBe65	22.05/560	14.57/370	7.87/200	31	49	19	31	22.05/560
JBe65	14.57/370	22.05/560	7.87/200	49	31	34	18	14.57/370
JBe75	29.53/750	14.57/370	7.87/200	31	66	19	47	29.53/750
JBe75	14.57/370	29.53/750	7.87/200	66	31	49	18	14.57/370
JBe77	22.05/560	22.05/560	7.87/200	49	49	34	31	22.05/560
JBe79	29.53/750	22.05/560	7.87/200	49	66	34	45	29.53/750
JBe79	22.05/560	29.53/750	7.87/200	66	49	49	31	22.05/560
JBe86	44.49/1130	29.53/750	11.81/300	102	—	82	—	44.49/1130

2. Maximum rail arrangement according to physical dimensions.

Terminal Capacity (in ² /mm ²)	Maximum Quantity of Horizontal Rails Per Quantity							
	0.004/2.5	0.006/4	0.009/6	0.016/10	0.025/16	0.054/35	0.078/50	0.109/70
JBe10/20/30/36	1	1	1	1	1	1	0	0
JBe36/46/47	2	2	2	1	1	1	0	0
JBe46/47/55/65/75	3	3	2	2	2	2	1	1
JBe65/77/79	5	5	4	4	4	3	2	2
JBe75/79	7	7	6	6	5	4	3	2
JBe86	10	10	9	9	8	6	4	4

† Enclosure with gland plate.

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

Zone 1 and 2 – 21 and 22
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3. Defining maximum terminal block quantity according to power dissipation:

- Junction boxes used for instrumentation applications carry very low current levels. Therefore there is no risk of overheating whatever the number of terminals inside the box.
- For applications other than instrumentation, the following tables allow you to define your junction box depending on the number of terminals and the maximum authorized current being carried with feed-through terminals.
- For single feed terminals using cross connection, consult factory for calculation.

For other terminal block configurations, please consult our drilling guide available online at www.egsatx.com.

Small Junction Boxes

		Type		
		JBe10	JBe20	JBe30
		5 x 5 x 4"	5 x 7 x 4"	7 x 7 x 4"
T Rating:		120 x 120 x	120 x 180 x	180 x 180 x
T6 @ Ta 131 °F/55° C		95 mm	95 mm	95 mm
0.004 in ² / 2.5 mm ²	Qty. 1 max.	10 16 A	21 16 A	21 16 A
0.006 in ² / 4 mm ²	Qty. 1 max.	8 25 A	17 25 A	16 25 A
0.009 in ² / 6 mm ²	Qty. 1 max.	6 32 A	13 32 A	13 32 A
0.016 in ² / 10 mm ²	Qty. 1 max.	5 50 A	10 50 A	9 50 A

Non-Hinged Junction Boxes

		Type			
		JBe36	JBe46	JBe47	JBe55
		9 x 10 x 6"	9 x 15 x 8"	10 x 15 x 8"	15 x 15 x 8"
T Rating:		220 x 260 x	220 x 370 x	260 x 370 x	370 x 370 x
T6 @ Ta 131 °F/55° C		150 mm	200 mm	200 mm	200 mm
0.004 in ² / 2.5 mm ²	Qty. 1 max.	33 16 A	50 14 A	70 12 A	110 10 A
0.006 in ² / 4 mm ²	Qty. 1 max.	21 25 A	38 20 A	62 16 A	80 15 A
0.009 in ² / 6 mm ²	Qty. 1 max.	19 32 A	22 32 A	23 32 A	26 32 A
0.016 in ² / 10 mm ²	Qty. 1 max.	12 50 A	14 50 A	15 50 A	20 45 A
0.024 in ² / 16 mm ²	Qty. 1 max.	8 63 A	10 63 A	17 50 A	20 50 A
0.039 in ² / 25 mm ²	Qty. 1 max.	12 80 A	14 80 A	16 76 A	20 76 A
0.054 in ² / 35 mm ²	Qty. 1 max.	9 100 A	11 100 A	12 100 A	16 93 A

Hinged Junction Boxes

		Type				
		CAe6	CAe7	CAe8	CAe10	CAe11
		16 x 12 x 8"	20 x 16 x 8"	24 x 16 x 10"	32 x 24 x 12"	40 x 32 x 12"
T Rating:		400 x 300 x	500 x 400 x	610 x 400 x	820 x 610 x	1020 x 810 x
T6 @ Ta 104 °F/40 °C		206 mm	206 mm	257 mm	300 mm	300 mm
T5 @ Ta 131 °F/55° C		206 mm	206 mm	257 mm	300 mm	300 mm
0.054 in ² / 35 mm ²	Qty. 1 Max.	12 100 A	16 100 A	16 100 A	—	—
0.078 in ² / 50 mm ²	Qty. 1 Max.	8 125 A	12 125 A	16 125 A	—	—
0.109 in ² / 70 mm ²	Qty. 1 Max.	8 160 A	10 160 A	12 160 A	—	—
0.147 in ² / 95 mm ²	Qty. 1 Max.	8 200 A	10 200 A	12 200 A	—	—
0.186 in ² / 120 mm ²	Qty. 1 Max.	—	8 250 A	8 250 A	12 200 A	16 150 A
0.233 in ² / 150 mm ²	Qty. 1 Max.	—	—	6 250 A	9 250 A	12 190 A
0.287 in ² / 185 mm ²	Qty. 1 Max.	—	—	—	8 300 A	10 240 A

Enclosures and Junction Boxes

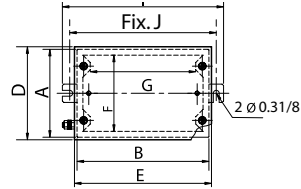
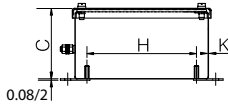
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBES and ECES Series 316L Stainless Steel Enclosure Dimensions

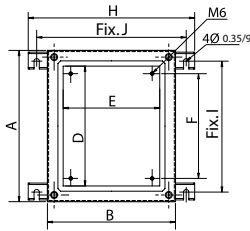
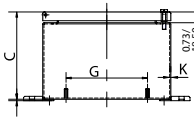
Increased Safety

Dimensions in Inches/Millimeters

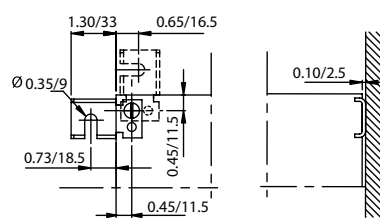
Box 3.74/95 Depth



Box 7.87/200 or 11.81/300 Depth



Mounting Bracket



L x W x D in/mm	A	B	C	D	E	F	G	H	I	J	K
Box Depth 3.74/95											
4.72 x 4.72 x 3.74/ 120 x 120 x 95	4.72/120	4.72/120	3.74/95	5.00/127	5.00/127	4.09/104	3.31/84	3.46/88	6.30/160	5.51/140	0.06/1.5
4.72 x 7.09 x 3.74/ 120 x 180 x 95	4.72/120	7.09/180	3.74/95	5.00/127	7.36/187	4.09/104	5.67/144	5.83/148	8.66/220	7.87/200	0.06/1.5
7.06 x 7.09 x 3.74 180 x 180 x 95/	7.09/180	7.09/180	3.74/95	7.36/187	7.36/187	6.47/164	5.67/144	5.83/148	8.66/220	7.87/200	0.06/1.5
Box Depth 7.87/200											
8.66 x 14.57 x 7.87/ 220 x 370 x 200/	8.66/220	14.57/370	7.87/200	6.54/166	12.44/316	5.51/140	11.42/290	17.17/436	7.28/185	16.02/407	0.06/1.5
14.57 x 10.24 x 7.87/ 370 x 260 x 200	14.57/370	10.24/260	7.87/200	12.44/316	8.11/206	11.42/290	7.09/180	12.83/326	13.19/335	11.69/297	0.06/1.5
14.57 x 14.57 x 7.87/ 370 x 370 x 200	14.57/370	14.57/370	7.87/200	12.44/316	12.44/316	11.42/290	11.42/290	17.17/436	13.19/335	16.02/407	0.08/2
22.05 x 14.57 x 7.87/ 560 x 370 x 200	22.05/560	14.57/370	7.87/200	19.92/506	12.44/316	18.90/480	11.42/290	17.17/436	20.67/525	16.02/407	0.08/2
29.53 x 14.57 x 7.87/ 750 x 370 x 200	29.53/750	14.57/370	7.87/200	63.74/95	12.44/316	26.38/670	11.42/290	17.17/436	28.15/715	16.02/407	0.08/2
22.05 x 22.05 x 7.87/ 560 x 560 x 200	22.05/560	22.05/560	7.87/200	19.92/506	19.92/506	18.90/480	18.90/480	24.65/626	20.67/525	23.50/597	0.08/2
29.53 x 22.05 x 7.87/ 750 x 560 x 200	29.53/750	22.05/560	7.87/200	24.40/696	19.92/506	26.38/670	18.90/480	24.65/626	28.15/715	23.50/597	0.08/2
Box Depth 11.81/300											
14.57 x 14.57 x 11.81/ 370 x 370 x 300	14.57/370	14.57/370	11.81/300	12.44/316	12.44/316	11.42/290	11.42/290	17.17/436	13.19/335	16.02/407	0.08/2
22.05 x 14.57 x 11.81/ 560 x 370 x 300/	22.05/560	14.57/370	11.81/300	19.92/506	12.44/316	18.90/480	11.42/290	17.17/436	20.67/525	16.02/407	0.08/2
29.53 x 14.57 x 11.81/ 750 x 370 x 300	29.53/750	14.57/370	11.81/300	63.74/95	12.44/316	26.38/670	11.42/290	17.17/436	28.15/715	16.02/407	0.08/2
22.05 x 22.05 x 11.81/ 560 x 560 x 300	22.05/560	22.05/560	11.81/300	19.92/506	19.92/506	18.90/480	18.90/480	24.65/626	20.67/525	23.50/597	0.08/2
29.53 x 22.05 x 11.81/ 750 x 560 x 300	29.53/750	22.05/560	11.81/300	24.40/696	19.92/506	26.38/670	18.90/480	24.65/626	28.15/715	23.50/597	0.08/2
44.49 x 29.53 x 11.81/ 1130 x 750 x 300	44.49/1130	29.53/750	11.81/300	42.36/1076	19.92/506	41.34/1050	26.38/670	32.13/816	103.74/95	30.98/787	0.08/2

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

A.T.X.[®] JBDR Series Pre-Drilled Round Junction Boxes

Flameproof

Zone 1 and 2 – 21 and 22
⊕ II 2 GD
ATEX / IEC
IP66 – IK10

Applications

- Small terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently.
- Ideal for use in wet or corrosive atmospheres such as:
 - Petroleum refineries
 - Chemical refineries
 - Other industrial process facilities
- Designed for use in Zone 21 or 22 areas, where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Silos
 - Other facilities

Features

- IK10 (20 Joules) high impact resistant box.
- Pillar type terminal block (4 x terminals) for easy connection.
- Terminal capacity: 0.006 x 0.006 in² / 4 x 4 mm² or 0.003 x 0.009 in² / 2 x 6 mm².
- Internal Earth: ground plate with 4 x M4 screws for connection to 4 mm diameter lugs.
- External Earth: M5 screw.
- Back plate supplied.
- Operating temperature -40 °F/-40 °C to 131 °F/55 °C.

Standard Materials

- Housing: gray painted marine grade aluminum
- Hardware: stainless steel

Certifications and Compliances

- Certification Type BR1d
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e IIC
 - T Rating: T6 to T4 = 104 °C/40 °C
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T203 °F/T95 °C
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50230
 - ATEX Certificate: LCIE 02 ATEX 6056
 - IEC Certificate: LCIE Ex 02.005
 - Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Internal Volume: ≤ 2dm³ (2 liters)
- Ex Standards: EN/IEC 60079-0; 60079-1; 61241-0; 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

2 Entry Version with Cable Glands



3 Entry Version



4 Entry Version

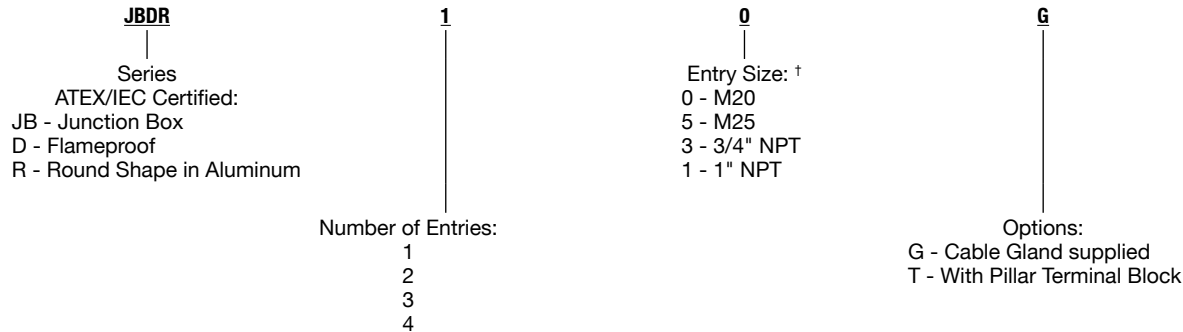


A.T.X.[®] JBDR Series Pre-Drilled Round Junction Boxes

Flameproof





Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

Catalog Numbering Guide



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

	Equipment	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
	Threaded Entries with M25 Integrated Cable Gland: For unarmored cable: – sealed Ø: 0.35 to 0.59" / 9 to 15 mm (093496)			
	2 x M25 entries (feed through) 2 integrated cable glands supplied	1.76/0.8	122.05/2	JBDR25G
	3 x M25 entries (in a "T") 3 integrated cable glands supplied	1.76/0.8	122.05/2	JBDR35G
	4 x M25 entries (in a cross) 4 integrated cable glands supplied	1.98/0.9	122.05/2	JBDR45G
	Threaded Entries for M20 Cable Gland – Not Supplied			
	2 x M20 entries (feed through)	0.7/1.54	122.05/2	JBDR20
	3 x M20 entries (in a "T") 4 x M20 entries (in a cross)	0.7/1.54 1.76/0.8	122.05/2 122.05/2	JBDR30 JBDR40
	Threaded Entries for NPT 3/4" Cable Gland – Not Supplied			
	2 x 3/4" NPT entries (feed through)	0.7/1.54	122.05/2	JBDR23
	3 x 3/4" NPT entries (in a "T")	0.7/1.54	122.05/2	JBDR33
	4 x 3/4" NPT entries (in a cross)	1.76/0.8	122.05/2	JBDR43
	Threaded Entries for NPT 1" Cable Gland – Not Supplied			
4 x 1" NPT entries (in a cross)	1.76/0.8	122.05/2	JBDR41	

Accessories

Description	Weight lb/kg	Volume in ³ /dm ³	Catalog Number
Pillar Terminal Block			
4 terminals 0.006 x 0.006 in ² / 4 x 4 mm ² or 0.003 x 0.009 in ² / 2 x 6 mm ² cables	0.22/0.1	24.41/0.4	TBP44
M25 Integrated Cable Gland			
for unarmored cables (dia. 0.35 to 0.59" / 9 to 15 mm)	1.32/0.6	54.92/0.9	093496

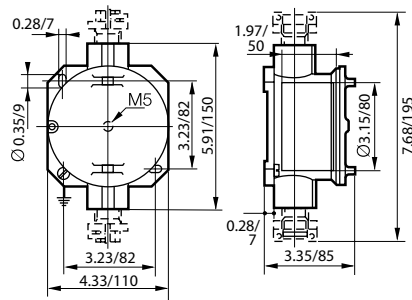
† For other entry size, use adaptor.

A.T.X.[®] JBDR Series Pre-Drilled Round Junction Box Dimensions

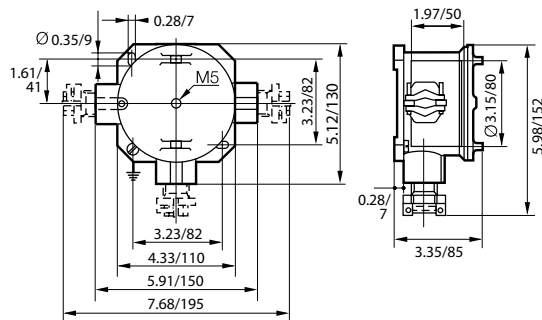
Flameproof

Dimensions in Inches/Millimeters

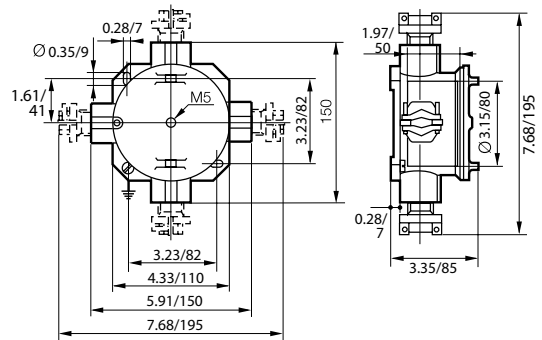
2 Entry Version



3 Entry Version



3 Entry Version



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES - CABLE

A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosures

Flameproof

Zone 1 and 2 – 21 and 22

⊕ II 2 GD

ATEX / IEC

IP66 – IK10

Applications

- Designed for use in Zones 1, 2, 21 and 22 in the oil and gas industry such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Junction box applications:
 - JBD series enclosures may be customized to house terminal blocks.
- Enclosure and control applications:
 - ECD series enclosures may be customized to house a large range of components such as:
 - Control units
 - Breakers
 - Starters
 - Relays
 - Meters
 - Etc.

Features

- Enclosures are available in a wide range of sizes.
- Precision machined flameproof joint between body and cover.
- Wall thickness suitable for all sizes of cable entries.
- External fixing lugs.
- Internal mounting pan.
- Square and round windows available in a wide range of sizes.
- Machining and drilling must be completed in our workshops.
- Power dissipated calculation including cables must be completed according to each size of certified enclosure.

Standard Materials

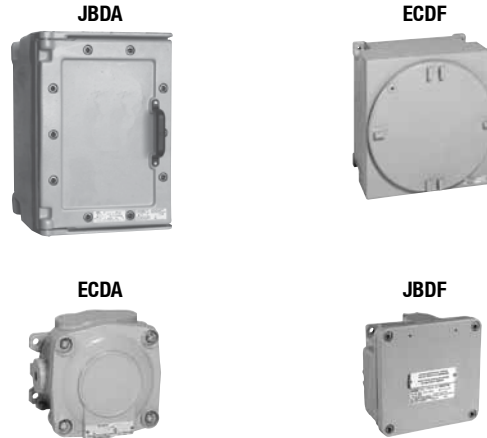
- Enclosures: gray painted cast iron or marine grade aluminum alloy
- Hardware: stainless steel

Options

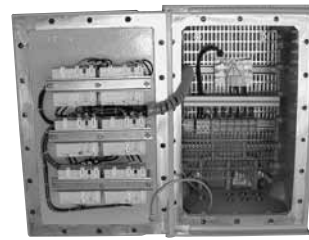
- Indirect cable entries available through Ex e connection enclosure.
- Factory assembled and wired.
- Empty enclosure with Ex “U” component marking for re-certification by notified body (CF10B to CF70B).

Certifications and Compliances

- Certification Type CF2/A/B/C
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e IIB
 - T Rating: T6 to T2
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T203 °F/T95 °C to T554 °F/T290 °C
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C.
 - CE Declaration of Conformity: 50254
 - ATEX Certificate: LCIE 03 ATEX 6061X
 - IEC Certificate: LCIE Ex 03.006X
 - Other Certifications: GOST
 - Internal Volume: ≤ 2dm³ (2 liters)



Customized Enclosures



- Certification Type CF10B to CF70B, CF10C to CF70C
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection CF10B to CF70B: Ex e IIB
 - ATEX/IEC Protection CF10C to CF70C: Ex e IIC
 - 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
 - Ambient Temperature CF30B, CF70B, CF70C: -4 °F/-20 °C to 131 °F/55 °C
 - Ambient Temperature CF10B, CF20B, CF40B, CF50B, CF10C, CF30C, CF50C: -40 °F/-40 °C to 131 °F/55 °C.
 - Ambient Temperature CF60B: -58 °F/-50 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50229
 - ATEX Certificate: LCIE 02 ATEX 6057X
 - IECEx Certificate: IECEx LCI 08.0023X
 - Other Certifications: GOST
 - Internal Volume: ≤ 2dm³ (2 liters)
- Certification Type CF1A/B/D/E
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
 - ATEX/IEC Protection: Ex e IIC
 - T Rating: T6 to T2

A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosures

Flameproof

Zone 1 and 2 – 21 and 22
 Ⓢ II 2 GD
 ATEX / IEC
 IP66 – IK10

- Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: T203 °F/T95 °C to T554 °F/T290 °C
- Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C.
- CE Declaration of Conformity: 50257
- ATEX Certificate: LCIE 03 ATEX 6044X
- IEC Certificate: LCIE Ex 03.003X
- Other Certifications: GOST
- Internal Volume CF1A/B/D/E: > 2dm³ (2 liters)
- Internal Volume CF1E: ≤ 2dm³ (2 liters)
- Certification Type CF10BU to CF70BU
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 G
 - ATEX/IEC Protection: Ex e IIB
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 Ⓢ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature CF30BU, CF60BU, CF70BU: -4 °F/-20 °C to 131 °F/55 °C
 - Ambient Temperature CF10BU, CF20BU, CF40BU, CF50BU: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 5C238
 - ATEX Certificate: LCIE 07 ATEX 0005U
 - Internal Volume: > 2dm³ (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
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 50279
 - ATEX Certificate: LCIE 07 ATEX 6069X
 - Internal Volume: > 2dm³ (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)

Catalog Numbering Guide

JBDA
 |
 Series
 ATEX/IEC Certified:
 JB - Junction Box
 EC - Enclosure and Controls
 D - Flameproof
 A - Aluminum
 F - Cast Iron

B
 |
 Classification:
 B - IIB
 C - IIC

 |
 Dimensions (in/mm):
 Length x Width x Depth
 (see ordering information on following pages)

U
 |
 Options:
 (options must be listed alphabetically)
 U - Component Certification "U"
 # - Customized Enclosure (6 Digit number will be assigned at time of order placement.)





A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosures

Flameproof

Zone 1 and 2 – 21 and 22
 II 2 GD
 ATEX / IEC
 IP66 – IK10

Enclosures and Junction Boxes

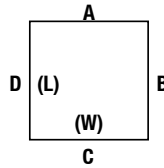
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

Type	Dimensions in/mm L x W x D	Hinged Door	Weight lb/kg	Volume in ³ /dm ³	Catalog Number †		
					JBD Series	ECD Series	
Ex d IIB Enclosure in Cast Iron with Flanged Flameproof Joint							
	CF2C	5.12 x 5.12 x 3.54/ 130 x 130 x 90	–	8.82/ 4	183.07/ 3	JBDFB131309	ECDFB131309
	CF2A	8.07 x 5.71 x 5.00/ 205 x 145 x 127	–	20.72/ 9.4	183.07/ 3	JBDFB201413	ECDFB201413
	CF2B	10.63 x 7.48 x 4.72/ 270 x 190 x 120	–	27.78/ 12.6	427.17/ 7	JBDFB271912	ECDFB271912
Ex d IIB Enclosure in Cast Aluminum with Flanged Flameproof Joint							
	CF10B	10.24 x 10.63 x 8.19/ 260 x 270 x 208	–	19.84/ 9	1037.40/ 17	JBDAB262720	ECDAB262720
	CF20B	15.57 x 10.63 x 8.19/ 370 x 270 x 208	–	28.66 13	1464.57/ 24	JBDAB372720	ECDAB372720
	CF30B	13.39 x 12.60 x 9.06/ 340 x 320 x 230	Yes	63.93/ 29	4149.61/ 68	JBDAB343223	ECDAB343223
	CF40B	17.91 x 12.60 x 13.66/ 455 x 320 x 347	Yes	110.23/ 50	7688.99/ 126	JBDAB453234	ECDAB453234
	CF50B	17.97 x 17.32 x 13.66/ 455 x 440 x 347	Yes	143.30/ 65	14645.70/ 240	JBDAB454434	ECDAB454434
	CF60B	26.77 x 17.32 x 16.26/ 680 x 440 x 413	Yes	233.69/ 106	23066.98/ 378	JBDAB684441	ECDAB684441
	CF70B	26.77 x 25.20 x 16.26/ 680 x 640 x 413	Yes	286.60/ 130	23311.07/ 382	JBDAB686441	ECDAB686441
Ex d IIC Enclosure in Cast Aluminum with Spigot Flameproof Joint							
	CF1E	5.51 x 6.38 x 3.94/ 140 x 162 x 100	–	3.31/ 1.5	134.25/ 2.2	JBDAC141610	ECDAC141610
	CF1B	8.27 x 9.06 x 4.92/ 210 x 230 x 125	–	8.82/ 4	335.63/ 5.5	JBDAC212312	ECDAC212312
	CF1A	11.61 x 10.43 x 7.68/ 295 x 265 x 195	–	22.05/ 10	585.83/ 9.6	JBDAC292619	ECDAC292619
	CF1D	14.17 x 13.19 x 7.87/ 360 x 335 x 200	–	22.05/ 10	890.95/ 14.6	JBDAC363320	ECDAC363320
Ex d IIC Enclosure in Cast Aluminum with Screwed Flameproof Joint							
	CF10C	9.05 x 8.46 x 9.37/ 230 x 215 x 238	–	26.46/ 12	976.38/ 16	JBDAC232124	ECDAC232124
	CF30C	12.60 x 13.39 x 9.21/ 320 x 340 x 234	–	61.73/ 28	4149.61/ 68	JBDAC323423	ECDAC323423
	CF50C	17.32 x 17.91 x 13.58/ 440 x 455 x 345	–	141.10/ 64	14950.82/ 245	JBDAC444534	ECDAC444534
Ex d IIC Enclosure in Cast Iron with Screwed Flameproof Joint							
	CF70C	26.77 x 25.20 x 17.72/ 680 x 640 x 450	Yes	683.43/ 310	23311.07/ 382	JBDFC686445	ECDFC686445

† Options: Component Certification "U" and/or Customized Enclosure # add digits as per examples: JBDAB2627203 #, JBDAB2627203U #.

A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosure Dimensions

Flameproof



Type	Dimensions in/mm L x W x D	Maximum Quantity of Threaded Entries Per Side				Max. Size †	Rail Length Capacity for Terminal Block in/mm	
		A M20	B M20	C M20	D M20		(L)	(W)
Ex d IIB Enclosure in Cast Iron								
CF2C	5.12 x 5.12 x 3.54/ 130 x 130 x 90	1	2	1	2	M25	–	2.52/ 64
CF2A	8.07 x 5.71 x 5.00/ 205 x 145 x 127	1	3	1	1	M32	–	4.72/ 120
CF2B	10.63 x 7.48 x 4.72/ 270 x 190 x 120	2	4	2	4	M50	–	6.38/ 162
Ex d IIB Enclosure in Cast Aluminum								
CF10B	10.24 x 10.63 x 8.19/ 260 x 270 x 208	8	6	8	6	M75	6.10/ 155	5.83/ 148
CF20B	15.57 x 10.63 x 8.19/ 370 x 270 x 208	6	12	6	12	M75	10.24/ 260	5.83/ 148
CF30B	13.39 x 12.60 x 9.06/ 340 x 320 x 230	8	8	8	8	M75	10.24/ 260	8.58/ 218
CF40B	17.91 x 12.60 x 13.66/ 455 x 320 x 347	16	28	16	28	M75	12.99/ 330	7.87/ 200
CF50B	17.97 x 17.32 x 13.66/ 455 x 440 x 347	26	26	26	26	M75	11.61/ 295	12.99/ 330
CF60B	26.77 x 17.32 x 16.26/ 680 x 440 x 413	26	51	26	51	M100	21.26/ 540	11.81/ 300
CF70B	26.77 x 25.20 x 16.26/ 680 x 640 x 413	38	42	38	42	M100	20.87/ 530	20.87/ 530
Ex d IIC Enclosure in Cast Iron								
CF1E	5.51 x 6.38 x 3.94/ 140 x 162 x 100	1	2	1	2	M32	–	3.90/ 99
CF1B	8.27 x 9.06 x 4.92/ 210 x 230 x 125	1	3	2	3	M32	–	6.10/ 155
CF1A	11.61 x 10.43 x 7.68/ 295 x 265 x 195	6	6	5	6	M63	7.48/ 190	7.48/ 190
CF1D	14.17 x 13.19 x 7.87/ 360 x 335 x 200	16	17	15	17	M63	7.09/ 180	9.84/ 250
Ex d IIC Enclosure in Cast Aluminum								
CF10C	9.05 x 8.46 x 9.37/ 230 x 215 x 238	5	5	5	5	M75	4.72/ 120	4.13/ 105
CF30C	12.60 x 13.39 x 9.21/ 320 x 340 x 234	8	8	8	8	M75	10.24/ 260	8.46/ 215
CF50C	17.32 x 17.91 x 13.58/ 440 x 455 x 345	26	26	26	26	M75	11.61/ 295	12.99/ 330

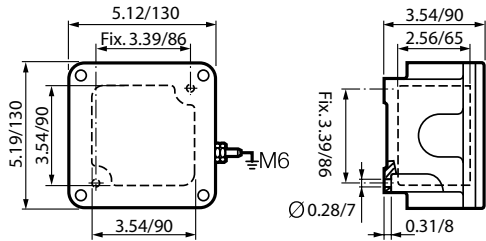
† Consult your local sales representative for quantity.

A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosure Dimensions

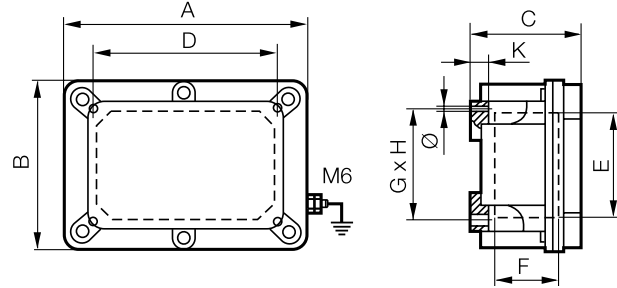
Flameproof

Dimension in Inches/Millimeters

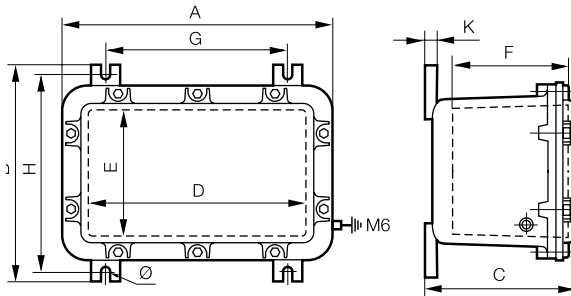
JBDF and ECDF: CF2C



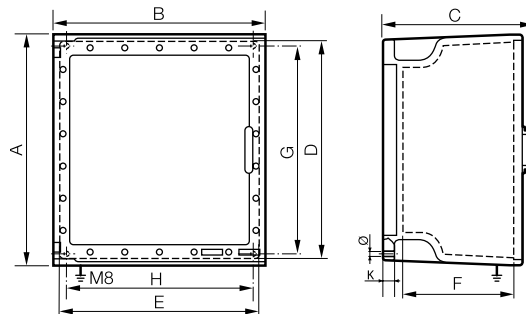
JBDF and ECDF: CF2A and CF2B



JBDA and ECDA: CF10B and CF20B



JBDA and ECDA: CF30B and CF70B



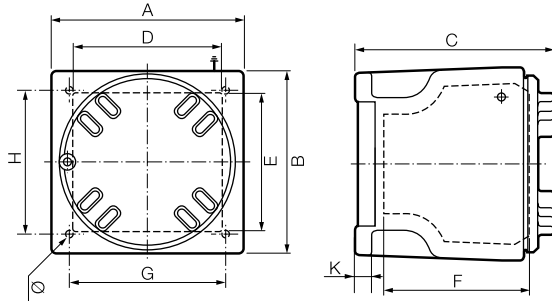
Type	A	B	C	D	E	F	G	H	K	Ø
JBDF and ECDF: CF2A and CF2B										
CF2A	7.95/202	5.67/144	3.78/96	6.14/156	6.06/154	2.58/65.5	3.86/98	6.14/156	0.39/10	0.27/7
CF2B	10.51/267	7.36/187	4.53/115	7.95/202	7.78/200	3.19/81	4.80/122	7.95/202	0.47/12	0.27/7
JBDA and ECDA: CF10B and CF20B										
CF10B	10.20/259	10.63/270	8.15/207	7.48/190	6.89/175	6.34/161	5.51/140	9.65/245	0.59/15	0.43/11
CF20B	14.53/369	10.63/270	8.15/207	11.81/300	6.89/175	6.34/161	9.84/250	9.65/245	0.59/15	0.43/11
JBDA and ECDA: CF30B and CF70B										
CF30B	13.39/340	12.60/320	9.37/238	11.22/285	10.43/265	6.34/161	11.73/298	10.94/278	0.79/20	0.35/9
CF40B	17.91/455	12.60/320	14.84/377	15.55/395	10.43/265	9.96/253	15.39/391	10.08/256	0.98/25	0.43/11
CF50B	17.91/455	17.32/440	14.96/380	15.75/400	14.80/376	9.96/253	15.39/391	14.80/376	0.98/25	0.43/11
CF60B	26.77/680	17.32/440	17.52/445	24.02/610	14.80/376	11.50/292	24.25/616	14.80/376	0.98/25	0.55/14
CF70B	26.77/680	25.20/640	17.52/445	24.02/610	22.68/576	11.50/292	24.25/616	22.68/576	0.98/25	0.55/14

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE Enclosures and Junction Boxes

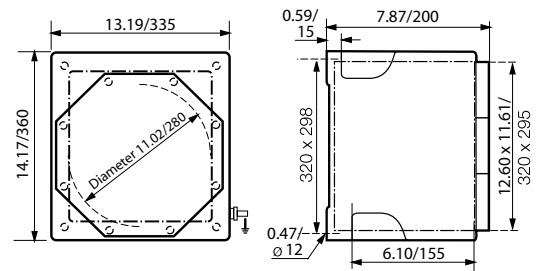
A.T.X.[®] JBDA and JBDF – ECDA and ECDF Series Customized Enclosure Dimensions Flameproof

Dimension in Inches/Millimeters

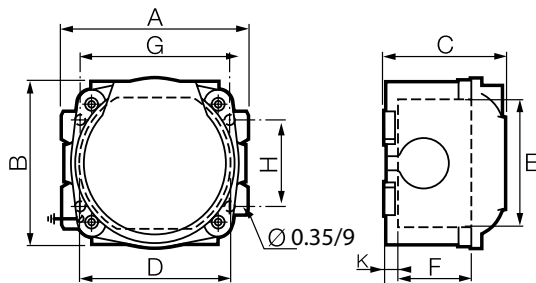
JBDF and ECDF: CF10C to CF70C



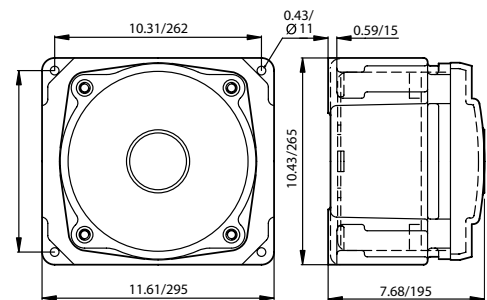
JBDA and ECDA: CF1D



JBDA and ECDA: CF1B and CF1E Type



JBDA and ECDA: CF1A Type



Type	A	B	C	D	E	F	G	H	K	Ø
JBDF and ECDF: CF10C to CF70C										
CF10C	9.06/230	8.46/215	9.37/238	7.09/180	6.50/165	6.89/175	7.40/188	6.81/173	0.79/20	0.35/9
CF30C	12.60/320	13.39/340	9.21/234	10.67/271	11.42/290	6.06/154	10.94/278	11.73/298	0.79/20	0.35/9
CF50C	17.32/440	17.91/455	13.58/345	15.20/386	15.79/401	9.49/241	14.80/376	15.39/391	0.98/25	0.43/11
CF70C	26.77/680	25.20/640	17.72/450	24.25/616	22.68/576	11.42/290	24.25/616	22.68/576	0.98/25	0.55/14
JBDA and ECDA: CF1B and CF1E Type										
CF1B	9.06/230	8.27/210	4.92/125	6.89/175	6.89/175	3.54/90	8.27/210	3.94/100	0.59/15	0.35/9
CF1E	5.51/140	6.38/162	4.76/121	4.72/120	4.72/120	3.15/80	4.72/120	4.72/120	0.47/12	0.35/9

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

GUBB, GUBBD and GUBBM Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

UNILETS® for Use with Threaded Metal Conduit.

GUBB

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, 7BCD, 9EFG

GUBBD

Class I, Division 1 and 2, Group D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 3R, 4

GUBBM

Class I, Division 1 and 2, Group D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 3, 3R, 4

Applications

- Explosionproof and dust-ignitionproof, for use in classified locations.
- Corrosion-resistant: ideal indoors or outdoors.
- Junction or pull box for pulling and splicing of wires and as an enclosure for electrical devices.
- Ideal where number and size of conductors require a junction box with additional space.

Features

- All GUBB/GUBBD/GUBBM Series Boxes
 - Provided with mounting lugs.
 - Furnished with covers.
 - All conduit hubs and openings provide a minimum of five full threads to meet UL requirements.
 - Accurately tapped, tapered conduit threads provide tight, rigid joints and ground continuity.
- GUBB Series
 - Wide selection of sizes and locations for drilled and tapped conduit openings.
 - Suitable for use as an enclosure for relays, instrument and other control apparatus in classified locations.
 - Available in high tensile strength malleable iron or copperfree aluminum bodies.
 - Provided with mounting lugs.
 - O-Rings standard for forms 1, 2 and 3 to provide raintight fit.
- GUBBD Series (Dome and Plate)
 - GUBB junction boxes with dome cover and mounting plate provide flexibility for a wide variety of applications.
 - Ideal for housing relays, contactors, terminal blocks and other classified area applications.
 - Mounting plate can be drilled to accommodate a variety of devices.
 - Dome cover has nominal depth of 6"/152mm or 17"/431mm, depending upon box selected. Provides significant increase in cubic inch capacity.
 - O-Rings standard to provide raintight fit.
 - Provided with mounting lugs.
- GUBBM Series (Instrument)
 - GUBBM junction boxes serve as an enclosure for meters, gauges and similar devices.
 - Complete with round, explosionproof glass window cover. Permits direct reading of enclosed instrument.
 - Furnished with one 3/4" drilled and tapped entry.
 - Mounted bosses provided in back of GUBBM can be drilled and tapped for fastening of instrument mounting bracket.
 - O-Rings standard to provide raintight fit.
 - Provided with mounting lugs.

Standard Materials

- GUBB bodies: copperfree (4/10 of 1% max.) aluminum or malleable iron bodies
- GUBBD bodies: malleable iron bodies
- GUBB, GUBBD covers: copperfree (4/10 of 1% max.) aluminum
- GUBBM bodies: copperfree (4/10 of 1% max.) aluminum
- GUBBM covers: copperfree (4/10 of 1% max.) aluminum and glass
- O-Ring: neoprene



GUBB



GUBBM
Instrument Box



GUBBD
Dome Cover

Standard Finishes

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

Options

- GUBB
 - Less cover, add suffix —**LC**.
 - Terminal blocks. Information provided upon request.
- Instrument mounting plate and bracket for GUBBM. Information provided upon request (submit complete dimensions of instrument to be used).

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 025875

GUBB Cast Junction Boxes for Drilling and Tapping Blank Body Ordering Information

Explosionproof, Dust-Ignitionproof

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, 7BCD, 9EFG

Determine catalog number as follows: (1) select GUBB junction box catalog number; (2) select "Conduit Opening Arrangement Diagram" number; and (3) select symbols that represent conduit opening sizes from "Symbol Table."

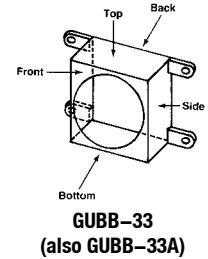
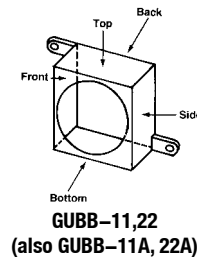
Where no opening is required, the symbol 0 must be inserted. Add suffix for other Optional Features. The various divisions of the complete catalog number should be separated by dashes.

Example

The junction box selected is GUBB-33 and the "Conduit Opening Arrangement Diagram" is diagram #1. Opening "a" is to be 3/4", "b", no opening required; "c", 2"; and "d", 1-1/4".

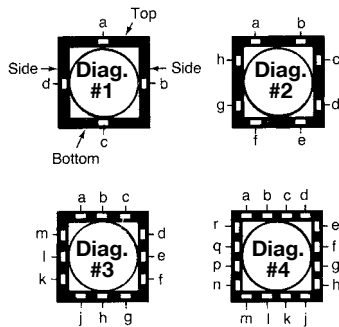
In this example, the complete catalog number is **GUBB-33-1-B0FD**
 Standard Conduit Opening Arrangement Diagrams
 Opening "a" is always TOP of box

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

Contact your local representative for drilling the back side of GUBB boxes.

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 Inches/Millimeters									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	1.25/31.8									
3/4	1.38/35.1	1.50/38.1								
1	1.56/39.6	1.69/42.9	1.88/47.8							
1-1/4	1.88/47.8	2.00/50.8	2.19/55.6	2.44/62.0						
1-1/2	2.00/50.8	2.13/54.1	2.31/58.7	2.63/66.8	2.75/69.9					
2	2.38/60.5	2.50/63.5	2.69/68.3	2.94/74.7	3.13/79.5	3.44/87.4				
2-1/2	2.50/63.5	2.63/66.8	2.81/71.4	3.13/79.5	3.25/82.6	3.63/92.2	3.75/95.3			
3	2.88/73.2	3.00/76.2	3.19/81.0	3.44/87.4	3.63/92.2	3.94/100.1	4.13/104.9	4.44/112.8		
3-1/2	3.13/79.5	3.25/82.6	3.44/87.4	3.75/95.3	3.88/98.6	4.25/108.0	4.38/111.3	4.75/120.7	5.00/127.0	
4	3.44/87.4	3.56/90.4	3.75/95.3	4.06/103.1	4.19/106.4	4.56/115.8	4.69/119.1	5.06/128.5	5.31/134.9	5.63/143.0

GUBB Cast Junction Boxes for Drilling and Tapping Blank Body Ordering Information

Explosionproof, Dust-Ignitionproof

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, 7BCD, 9EFG

Diameters of Bushings, Unions, Conduit and Seals (in Inches/Millimeters)

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	1.06/26.9	1.31/33.3	1.56/39.6	1.94/49.3	2.19/55.6	2.69/68.3	3.19/81.0	3.88/98.6	4.38/111.3	4.88/124.0
BU Bushing	1.13/28.7	1.25/31.8	1.63/41.4	2.06/52.3	2.31/58.7	2.94/74.7	3.25/82.6	3.88/98.6	4.56/115.8	5.06/128.5
UNY-UNF (R) Union	1.50/38.1	1.75/44.5	2.00/50.8	2.81/71.4	3.06/77.7	3.75/95.3	4.94/125.5	5.44/138.2	5.94/150.9	6.50/165.1
Conduit	0.88/22.4	1.06/26.9	1.38/35.1	1.69/42.9	1.94/49.3	2.38/60.5	2.88/73.2	3.50/88.9	4.00/101.6	4.50/114.3
EYM-EYF Seals T.R.†	1.06/26.9	1.19/30.2	1.38/35.1	1.75/44.5	2.06/52.3	2.31/58.7	2.69/68.3	3.13/79.5	3.44/87.4	3.69/93.7

Wall Thickness and Maximum Conduit Size (in Inches/Millimeters)

Box Type	Top, Bottom and Sides		Back	
	Wall Thickness	Maximum Conduit Size	Wall Thickness	Maximum Conduit Size
GUBB-11, GUBB-11A	0.44/11.2	2	0.44/11.2	2
GUBB-22, GUBB-22A	0.44/11.2	2	0.63/16.0	4
GUBB-33, GUBB-33A	0.63/16.0	2	0.81/20.6	4

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES


† T.R. is turning radius.

GUBB Cast Junction Boxes for Drilling and Tapping

Explosionproof, Dust-Ignitionproof

Drilled and tapped openings from 1/2" thru 4" as specified.

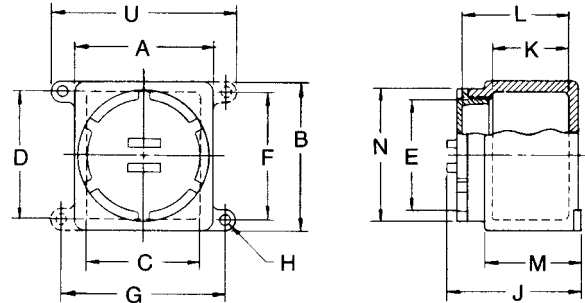
Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4, 7BCD, 9EFG

	Size LxWxD Inches/Millimeters	Cover Opening Inches/Millimeters	Form Number	Volume in ³ /dm ³	Catalog Number	
					Malleable Iron ‡	Aluminum ‡
	7.00 x 6.50 x 6.75/ 177.8 x 165.1 x 171.5	5.38/136.7	1	120/ 2.0	GUBB-11	GUBB-11A
	10.00 x 8.00 x 6.88/ 254.0 x 203.2 x 174.8	7.19/182.6	2	224/ 3.7	GUBB-22	GUBB-22A
	12.00 x 12.00 x 7.75/ 304.8 x 304.8 x 196.9	9.69/246.1	3	455/ 7.5	GUBB-33	GUBB-33A

Class I, Division 1 Sealing Requirements

Box	Group	Seals Required ♦
GUBB	B, C ♦	Yes
GUBB	D	No

Catalog Number	Mounting Lugs
GUBB-11, 11A	2
GUBB-22, 22A	2
GUBB-33, 33A	4



Catalog Number	Dimensions in Inches/Millimeters													
	A	B	C	D	E	F	G	H	J	K†	L	M	N	U
GUBB-11	6.50/	7.00/	5.50/	5.94/	5.38/	6.00/	7.75/	0.50/	6.75/	3.69/	5.25/	4.63/	6.25/	8.75/
GUBB-11A	165.1	177.8	139.7	150.9	163.7	152.4	196.9	12.7	171.5	93.7	133.4	117.6	158.8	222.3
GUBB-22	8.00/	10.00/	7.13/	9.00/	7.19/	9.00/	9.25/	0.50/	6.88/	3.50/	5.25/	4.63/	8.00/	10.25/
GUBB-22A	203.2	254.0	181.1	228.6	182.6	228.6	235.0	12.7	174.8	88.9	133.4	117.6	203.2	260.4
GUBB-33	12.00/	12.00/	10.75/	10.75/	9.69/	10.00/	13.13/	0.63/	7.75/	3.94/	5.75/	5.38/	11.00/	14.38/
GUBB-33A	304.8	304.8	273.1	273.1	246.1	254.0	333.5	16.0	196.9	100.0	146.1	136.7	279.4	365.3

‡ Malleable iron and aluminum boxes furnished with aluminum cover.
 † Inside dimensions.

♦ Sealing fitting must be installed within 2" of each conduit entrance (max. conduit for Group B and C is 2"). Seals not required in Class I, Division 2 areas provided there are no arcing or sparking devices in the box.

Enclosures and Junction Boxes




ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

GUBBM Instrument Enclosures

Explosionproof, Dust-Ignitionproof

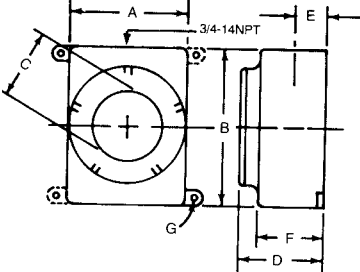
GUBBM: Furnished with one 3/4" threaded conduit opening. Aluminum body with aluminum/glass cover.

Class I, Division 1 and 2, Group D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4

	Type Box	Conduit Opening Size (Inches-NPT)	Cover Opening Inches/Millimeters	Wall Thickness Inches/Millimeters	Form Number	Catalog Number
	GUBB-11A	3/4	5.38/136.7	0.44/11.2	1	GUBBM-1A
	GUBB-22A	3/4	7.19/182.6	0.44/11.2	2	GUBBM-2A
	GUBB-33A	3/4	9.69/246.1	0.56/14.2	3	GUBBM-3A

Other drilled and tapped conduit opening arrangements and sizes available in addition to the one 3/4" conduit opening provided.

GUBB Cast Junction Boxes for Drilling and Tapping Blank Body Ordering Information
 For Covers and Mounting Plates, Order from GUBB Surface and Special Purpose Covers page.

	Type Box	Mounting Lugs	Dimensions in Inches/Millimeters						
			A	B	C	D	E	F	G
	GUBBM-1A	2	6.50/ 165.1	7.00/ 177.8	3.13/ 79.5	5.63/ 143.0	2.06/ 52.3	4.63/ 117.6	0.50/ 12.7
	GUBBM-2A	2	8.00/ 203.2	10.00/ 254.0	4.75/ 120.7	5.63/ 143.0	2.06/ 52.3	4.63/ 117.6	0.50/ 12.7
	GUBBM-3A	4	12.00/ 304.8	12.00/ 304.8	6.88/ 174.8	8.94/ 227.1	3.50/ 88.9	5.38/ 136.7	0.63/ 16.0

Enclosures and Junction Boxes



ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

GUBBD Cast Boxes for Drilling and Tapping With Dome Cover and Mounting Plate

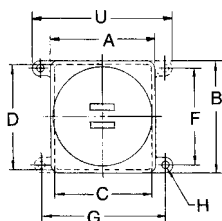
Explosionproof, Dust-Ignitionproof

Malleable iron junction boxes furnished with aluminum cover.

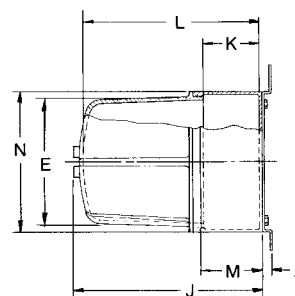
Class I, Division 1 and 2, Group D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4

		Nominal Cover Depth Inches/Millimeters	Width of Mounting Plate Inches/Millimeters	Adjustment Inches/Millimeters †	Form Number	Catalog Number	
 Cover removed, showing mounting plate	 Body with dome cover	10.00/254.0	3.50/88.9	1.00/25.4	1	GUBBD-1-10	
		6.00/152.4	4.88/124.0	1.50/38.1	2	GUBBD-2-6	
		12.00/304.8					GUBBD-2-12
		6.00/152.4	6.25/158.8	2.13/54.1	3	GUBBD-3-6	
		12.00/304.8					GUBBD-3-12
		17.00/431.8					GUBBD-3-17

Dimensions



GUBBD-1 (2 Lugs), GUBBD-2 (2 Lugs), GUBBD-3 (4 Lugs)



All Types

Catalog Number	Dimensions in Inches/Millimeters													
	A	B	C‡	D‡	E	F	G	H	J	K‡	L‡	M	N	U
GUBBD-1-10	6.50/ 165.1	7.00/ 177.8	6.06/ 153.9	6.56/ 166.6	5.38/ 136.7	6.00/ 152.4	7.75/ 196.9	0.50/ 12.7	16.13/ 409.7	3.75/ 95.3	14.75/ 374.7	4.63/ 117.6	6.25/ 158.8	8.75/ 222.3
GUBBD-2-6	8.00/ 203.2	10.00/ 254.0	7.56/ 192.0	9.56/ 242.8	7.19/ 182.6	9.00/ 228.6	9.25/ 235.0	0.50/ 12.7	12.19/ 309.6	3.81/ 96.8	10.75/ 273.1	4.63/ 117.6	8.06/ 204.8	10.25/ 260.4
GUBBD-2-12	8.00/ 203.2	10.00/ 254.0	7.56/ 192.0	9.56/ 242.8	7.19/ 182.6	9.00/ 228.6	9.25/ 235.0	0.50/ 12.7	18.19/ 462.0	3.81/ 96.8	16.75/ 425.5	4.63/ 117.6	8.06/ 204.8	10.25/ 260.4
GUBBD-3-6	12.00/ 304.8	12.00/ 304.8	11.38/ 289.1	11.38/ 289.1	9.69/ 246.1	10.00/ 254.0	13.13/ 333.5	0.63/ 16.0	13.81/ 350.8	4.38/ 111.3	11.56/ 293.6	5.38/ 136.7	11.00/ 279.4	14.38/ 365.3
GUBBD-3-12	12.00/ 304.8	12.00/ 304.8	11.38/ 289.1	11.38/ 289.1	9.69/ 246.1	10.00/ 254.0	13.13/ 333.5	0.63/ 16.0	19.81/ 503.2	4.38/ 111.3	17.56/ 446.0	5.38/ 136.7	11.00/ 279.4	14.38/ 365.3
GUBBD-3-17	12.00/ 304.8	12.00/ 304.8	11.38/ 289.1	11.38/ 289.1	9.69/ 246.1	10.00/ 254.0	13.13/ 333.5	0.63/ 16.0	25.31/ 642.9	4.38/ 111.3	23.06/ 585.7	5.38/ 136.7	11.00/ 279.4	14.38/ 365.3







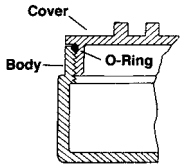
† Mounting plate is adjustable. May be centered or located to one side.
 ‡ Inside dimensions.

GUBB/GUBBD/GUBBM Cast Junction Box Surface and Special Purpose Covers

Explosionproof, Dust-Ignitionproof

Covers provide raintight fit when used with O-rings. Available in malleable iron, aluminum, and aluminum/glass.

Class I, Division 1 and 2, Group D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 3, 3R, 4

		Fits Box Catalog Number	Nominal Cover Depth Inches/ Millimeters	Nominal Cover Diameter Inches/ Millimeters	Window Diameter Inches/ Millimeters	Form Number	Catalog Number
Covers — Aluminum — O-Ring Gasket Included							
 GUBK-1, GUBK-2	 GUBK-3	GUBB-11 (11A)	Surface	5.38/136.7	2.12/53.8	1	GUBK-1
		GUBB-22 (22A)	Surface	7.19/182.6	4.75/120.7	2	GUBK-2
		GUBB-33 (33A)	Surface	9.69/246.1	7.00/177.8	3	GUBK-3
Instrument Box Covers — Aluminum and Glass							
 GUBMK-1, GUBMK-2	 GUBMK-3	GUBB-11 (11A)	—	5.38/136.7		1	GUBMK-1
		GUBB-22 (22A)	—	7.19/182.6		2	GUBMK-2
		GUBB-33 (33A)	—	9.69/246.1		3	GUBMK-3
Dome Covers for GUBB Boxes — Aluminum — O-Ring Gasket Included							
	GUBB-11 (11A)	10.00/254.0	5.38/136.7		1	GUBK-1-10	
	GUBB-22 (22A)	6.00/152.4	7.19/182.6		2	GUBK-2-6	
	GUBB-22 (22A)	12.00/304.8	7.19/182.6		2	GUBK-2-12	
	GUBB-33 (33A)	6.00/152.4	9.69/246.1		3	GUBK-3-6	
	GUBB-33 (33A)	12.00/304.8	9.69/246.1		3	GUBK-3-12	
	GUBB-33 (33A)	17.00/431.8	9.69/246.1		3	GUBK-3-17	
Replacement O-Rings—Neoprene							
 	Provide raintight fit for GUBB, GUBBM and GUBBD Boxes						
	GUBB-11 (11A)					1	GUBG-1
	GUBB-22 (22A)					2	GUBG-2
	GUBB-33 (33A)					3	GUBG-3
Mounting Plates—0.13"/3.3mm Thick Aluminum. 4 standoffs, 4 mounting screws							
GUBB-11 (11A) *			4.50 x 4.50/ 114.3 x 114.3		1	GUBBMP-11	
GUBB-22 (22A) *			6.50 x 6.50/ 165.1 x 165.1		2	GUBBMP-22	
GUBB-33 (33A) *			9.00 x 9.00/ 228.6 x 228.6		3	GUBBMP-33	

* GUBB boxes are predrilled to accept a mounting plate.

DER, GUB and GUBM Cast Junction Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.

CSA Certified

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

Class I, Zone 1 and 2

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

Class III, Enclosure 4

Applications

- Explosionproof and dust-ignitionproof for use in classified locations.
- Corrosion-resistant: ideal indoors or outdoors.
- Junction or pull box for pulling and splicing of wires and as an enclosure for electrical devices.
- Ideal where number and size of conductors require a junction box with additional space.

Features

- Provided with mounting lugs.
- Furnished with covers.
- All conduit hubs and openings provide a minimum of five full threads to meet CSA requirements.
- Accurately tapped, tapered conduit threads provide tight, rigid joints and ground continuity.
- DER and GUB Series
 - Wide selection of sizes and locations for drilled and tapped conduit openings.
 - Suitable for use as an enclosure for relays, instrument and other control apparatus in classified locations.
 - Available in high tensile strength malleable iron or copperfree aluminum bodies.
 - O-Rings standard for forms 1, 2 and 3 to provide raintight fit.
- GUBM Series (Instrument)
 - GUBM junction boxes serve as an enclosure for meters, gauges and similar devices.
 - Complete with round, explosionproof glass window cover. Permits direct reading of enclosed instrument.
 - Furnished with one 3/4" drilled and tapped entry.
 - Mounting bosses are provided in the bottom of GUBM can be drilled and tapped for fastening of instrument mounting bracket.
 - O-Rings standard to provide raintight fit.
- Surface covers furnished with DER and GUB junction boxes have lugs to take a bar or wrench. Other style covers, as listed below, are available.
- Sealing covers have a plugged hole through which the box can be filled with sealing cement after installation. See *Fittings Section* for information regarding sealing cement. Note: When sealing covers are used, splices or taps within the Unilets are prohibited by the CEC.
- Dome covers permit conductors to be pulled in with the ends extending well out beyond box body where splices can easily be made. The splices need not be crowded back into the box, but can be left as is when dome cover is used for their enclosure and protection.

Standard Materials

- Bodies: copperfree (4/10 of 1% max.) aluminum or malleable iron bodies
- DER and GUB covers: copperfree (4/10 of 1% max.) aluminum
- GUBM covers: copperfree (4/10 of 1% max.) aluminum and glass
- O-Ring: neoprene



DER1C

GUB2C



GUBM-2C

Options

- Other hub arrangements and sizes are available. Contact your local representative for details.
- Other means of instrument fastening are available. Contact your local representative for details.
- Instrument mounting plates or brackets can be furnished. On receipt of complete instrument dimensions, prices will be quoted. Contact your local representative for details.
- To order DER1C or DER1CA without mounting lugs add suffix **-LF**.

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

 CSA Certification Only.

DER, GUB and GUBM Cast Junction Box Ordering Information

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.

CSA Certified
 Class I, Division 1 and 2, Groups A, B, C, D
 Class I, Zone 1 and 2
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 4

Determining Catalog Numbers

- To determine the catalog number of junction boxes with entries, the following information should be shown:
 - Junction box catalog number from listings on the following pages
 - Sketch number of hub arrangement selected from the illustration below.
 - Entry symbols taken from the table shown below. Start from the left (at Hub "A") on the top of the junction box and continue in rotation clockwise around its body. Where no entry is required, the symbol X should be inserted. The three various divisions of the catalog number should be separated by dashes.

Example (Inches/Millimeters)

GUB2C junction box is required with threaded conduit entries and unions. The arrangement of entries is per sketch #16.

- A — is to be 2.00/50.8 drilled and tapped entry
- B — 1.25/31.8
- C — Blank (no entry)
- D — 2.00/50.8
- E — Blank
- F — 1.00/25.4
- J — Blank

The catalog number is:

GUB2C-16-64X634X.

Unions are required at B and D.

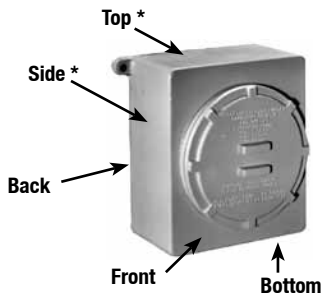
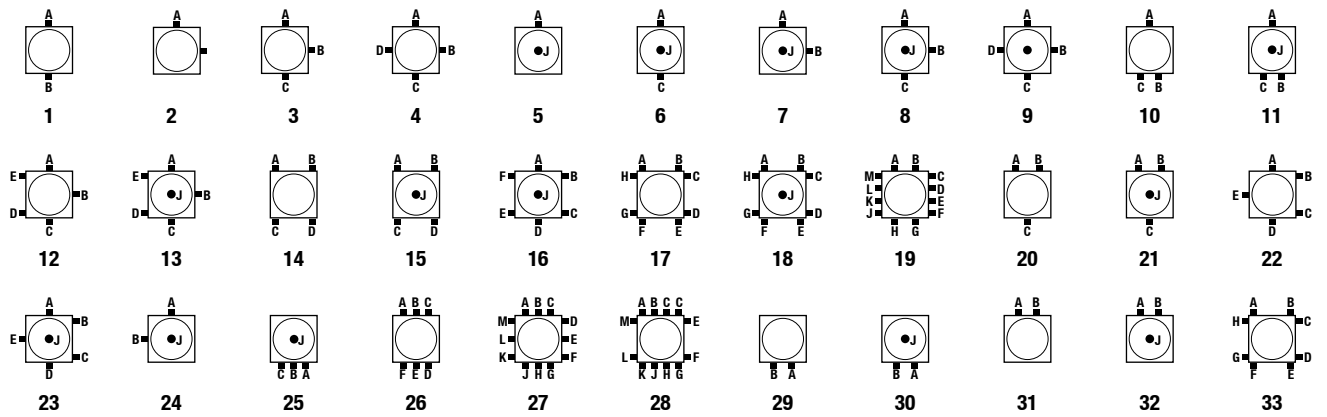
Order UNY male unions from the Fittings Section of the catalog.

Conduit Entry Symbols

Drilling and Tapped or Threaded Hubs				Union Hubs (GUB4 only)			
Size in/mm	Symbol	Size in/mm	Symbol	Size in/mm	Symbol	Size in/mm	Symbol
0.50/12.7	1	2.00/50.8	6	0.50/12.7	1E	2.00/50.8	6E
0.75/19.1	2	2.50/63.5	7	0.75/19.1	2E	2.50/63.5	7E
1.00/25.4	3	3.00/76.2	8	1.00/25.4	3E	3.00/76.2	8E
1.25/31.8	4	3.50/88.9	9	1.25/31.8	4E	3.50/88.9	9E
1.50/38.1	5	4.00/101.6	10	1.50/38.1	5E	4.00/101.6	10E

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES



Send sketch and description for other arrangements.

* GUB2C shown. Top and bottom measures 9.25"/235.0 mm x 5.25"/139.7 mm and sides measure 10.63"/269.9 mm x 5.50"/139.7 mm.

† CSA Certification Only.





DER and GUB Cast Junction Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.

CSA Certified
 Class I, Division 1 and 2, Groups A, B, C, D
 Class I, Zone 1 and 2
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 4

DER and GUB Junction Boxes

		Dimensions in Inches/Millimeters		Catalog Number	
		Outside	Cover Dia. (in./mm)	Ferrous Alloy	Aluminum
		5.13/130.3 x 5.13/130.3 x 4.06/103.1	3.88/98.8	DER1C †	DER1CA †
DER1C	GUB1C	7.00/177.8 x 7.00/177.8 x 6.50/165.1	5.38/136.7	GUB1C	GUB1CA
		10.63/270.0 x 9.25/235.0 x 6.75/171.5	7.19/182.6	GUB2C	GUB2CA
GUB2C	GUB3C	12.44/316.0 x 12.44/316.0 x 8.44/214.4	9.81/249.2	GUB3C	GUB3CA

Maximum Size and Number of Entries Supplied on Any One Side

Catalog Number	Dimensions in Inches/Millimeters									
	0.50/12.7	0.75/19.1	1.00/25.4	1.25/31.8	1.50/38.1	2.00/50.8	2.50/63.5	3.00/76.2	3.50/88.9	4.00/101.6
Drilled and Tapped - With Clearance for Conduit Seals										
DER1C	3	2	2 †	1 †	—	—	—	—	—	—
GUB1C	4	4	4	2	2	1	—	—	—	—
GUB2C	4	4	4	3	3	2	2 †	—	—	—
GUB3C	4	4	4	3	3	2	2	—	—	—
With UNY Male Unions										
DER1C	3	2	2 †	1 †	—	—	—	—	—	—
GUB1C	3	3	4	2	2	—	—	—	—	—
GUB2C	4	4	4	3	3	2	1 †	—	—	—
GUB3C	4	4	4	3	3	2	1	—	—	—

Maximum Entry in Back

GUB1C - 2"; GUB2C - 2"; GUB3C - 6"

† To order DER1C or DER1CA without mounting lugs add the suffix **-LF** to the catalog number.

‡ Requires pad. Available on special order, contact your local sales representative.

✱ CSA Certification Only.



GUBM Cast Junction Boxes and DER, GUB and GUBM Covers

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.

CSA Certified
 Class I, Division 1 and 2, Groups A, B, C, D
 Class I, Zone 1 and 2
 Class II, Division 1 and 2, Groups E, F, G
 Class III, Enclosure 4

GUBM Instrument Junction Boxes



		Type of Body	Mounting Lugs	Hub Size (Inches)	Cover Opening * In Inches/Millimeters	Catalog Number	
						Ferrous Alloy	Aluminum
		GUB-1C	2	3/4	5.38/136.5	GUBM-1C	GUBM-1CA
		GUB-2C	2	3/4	7.44/188.9	GUBM-2C	GUBM-2CA

DER, GUB and GUBM Junction Box Covers

DER Form 1 and GR Form 2 have the same cover opening.

DER and GUB junction boxes are furnished with surface covers. Order the remaining below listed covers as follows: Specify junction box catalog number and the catalog number of the cover required from the listings below.

Example: GUB-2-16-64EX63E4EX, except with GUBK-2-6 dome cover.

		Type of Body	Type of Cover	Inside Diameter in Inches/Millimeters	Catalog Number
		DER1C	Surface Covers	3.56/90.5	GRK-2C
		GUB1C		4.63/117.5	GUBK-1C
		GUB2C		6.25/158.8	GUBK-2C
		GUB3C		8.88/225.4	GUBK-3C
		DER1C	Sealing Covers	3.56/90.5	GRK-2SC

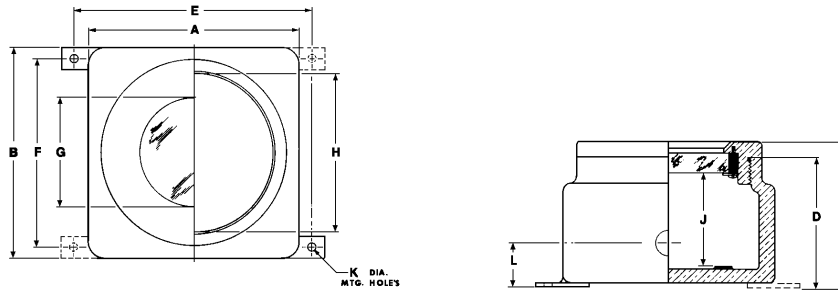
 CSA Certification Only.

DER, GUB and GUBM Cast Junction Box Dimensions

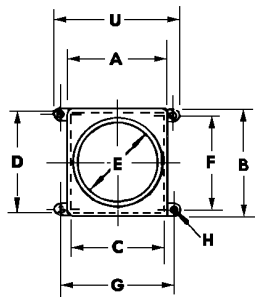
CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.

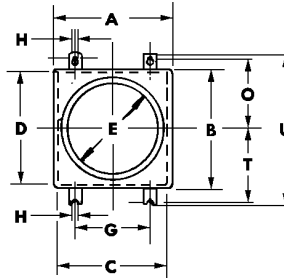
Dimensions of GUBM



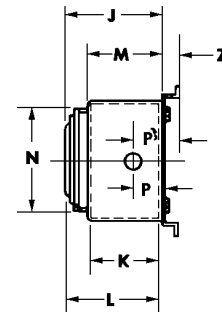
Catalog Number	Mounting Lugs	Dimensions in Inches/Millimeters										
		A	B	C	D	E	F	G – Dia.	H – Dia.	J	K – Dia.	L
GUBM-1C	2	7.00/ 177.8	7.00/ 177.8	6.50/ 165.1	5.25/ 133.4	8.25/ 209.6	6.00/ 152.4	3.63/ 92.1	5.38/ 136.5	4.63/ 117.5	0.50/ 12.7	2.06/ 52.4
GUBM-2C	2	9.27/ 235.3	10.59/ 269.1	6.72/ 170.7	5.63/ 142.9	10.38/ 263.5	9.59/ 243.4	5.00/ 127.0	7.31/ 185.7	4.38/ 111.1	0.50/ 12.7	2.06/ 52.4



DER1C, GUB1C, GUB2C (2 Lugs)



GUB3C (4 Lugs)



All Types

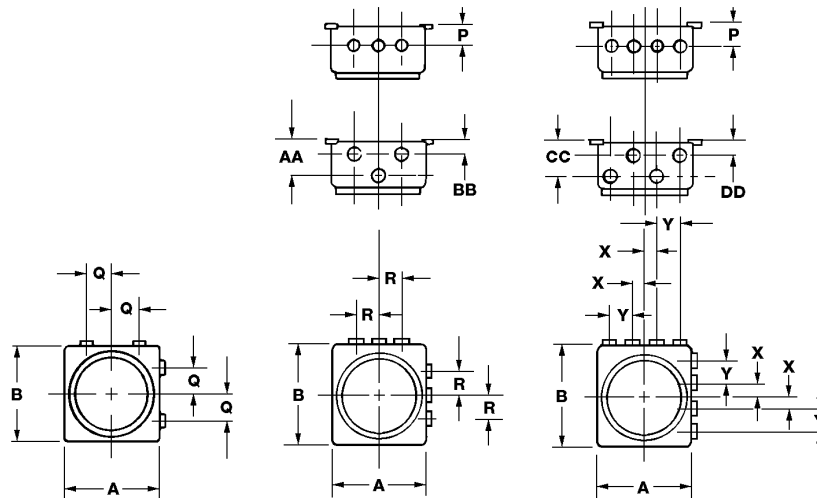
Box Type	Dimensions in Inches/Millimeters																
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	T	U	Z
DER1C	5.13/ 130.2	5.13/ 130.2	4.38/ 111.1	3.91/ 99.2	3.91/ 99.2	4.00/ 101.6	6.00/ 152.4	0.31/ 7.9	4.06/ 103.2	2.44/ 61.9	3.25/ 82.6	2.31/ 58.7	4.50/ 114.3	—	—	7.00/ 177.8	—
GUB1C	7.00/ 177.8	7.00/ 177.8	5.75/ 146.1	5.41/ 137.3	7.19/ 182.6	6.00/ 152.4	8.25/ 209.6	0.50/ 12.7	6.38/ 161.9	3.81/ 96.8	5.03/ 127.8	4.63/ 117.5	6.19/ 157.2	—	—	9.25/ 235.0	0.13/ 3.2
GUB2C	9.25/ 235.0	10.63/ 269.9	8.13/ 206.4	7.25/ 184.2	7.19/ 182.6	9.60/ 243.7	10.38/ 263.5	0.50/ 12.7	6.63/ 168.3	3.94/ 100.0	5.22/ 132.6	5.06/ 128.6	8.00/ 203.2	—	—	11.38/ 288.9	0.13/ 3.2
GUB3C	12.44/ 315.9	12.44/ 315.9	10.94/ 277.8	9.88/ 250.8	9.88/ 250.8	9.00/ 228.6	14.00/ 355.6	0.63/ 15.9	8.25/ 209.6	4.44/ 112.7	6.19/ 157.2	5.63/ 142.9	10.75/ 273.1	7.00/ 177.8	7.00/ 177.8	14.94/ 379.4	0.31/ 7.9

 CSA Certification Only.

DER, GUB and GUBM Cast Junction Box Dimensions

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Watertight

Furnished with surface cover and mounting lugs.



		Dimensions in Inches/Millimeters									
Type	Entry Size	P	Q	R	X	Y	AA	BB	CC	DD	
Threated Entries †	DER1C	1/2	1.44/36.5	1.19/30.2	1.44/36.5	—	—	2	0.97/24.6	—	—
		3/4	1.44/36.5	1.19/30.2	—	—	—	—	—	—	—
		1 †	1.44/36.5 †	1.19/30.2 †	—	—	—	—	—	—	—
		1-1/4 †	1.44/36.5 †	—	—	—	—	—	—	—	—
	GUB1C	1/2	2.06/52.4	1.44/36.5	1.75/44.5	0.69/17.5	1.38/34.9	3.38/85.7	1.75/44.5	3.50/88.9	1.69/42.9
		3/4	2.06/52.4	1.44/36.5	1.75/44.5	0.69/17.5	1.38/34.9	3.38/85.7	1.75/44.5	3.50/88.9	1.69/42.9
		1	2.06/52.4	1.44/36.5	1.75/44.5	0.69/17.5 ^	1.13/28.6 ^	3.38/85.7	1.75/44.5	3.50/88.9 ^	1.69/42.9 ^
		1-1/4	2.06/52.4	1.44/36.5	—	—	—	—	—	—	—
		1-1/2	2.06/52.4	—	—	—	—	—	—	—	—
		2	2.50/63.5	—	—	—	—	—	—	—	—
Top or Bottom Side 9-1/4" x 5-1/2"	GUB2C	1/2	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	3.75/95.3
		3/4	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	3.75/95.3
		1	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	3.75/95.3
		1-1/4	2.06/52.4	2.06/52.4	2.81/71.4	—	—	3.31/84.1	22.00/50.8	—	—
		1-1/2	2.06/52.4	2.06/52.4	2.81/71.4 ^	—	—	3.31/84.1 ^	2.00/50.8 ^	—	—
		2	2.63/66.8	2.25/57.2	—	—	—	—	—	—	—
	2-1/2 †	2.63/66.8 †	2.25/57.2 †	—	—	—	—	—	—	—	
	GUB3C	1/2	3.25/82.6	2.38/60.3	3.25/82.6	1.19/30.2	2.38/60.3	3.88/98.4	2.69/68.3	2.69/68.3	3.88/98.4
		3/4	3.25/82.6	2.38/60.3	3.25/82.6	1.19/30.2	2.38/60.3	3.88/98.4	2.69/68.3	2.69/68.3	3.88/98.4
		1	3.25/82.6	2.38/60.3	3.25/82.6	1.19/30.2	2.38/60.3	3.88/98.4	2.69/68.3	2.69/68.3	3.88/98.4
1-1/4		3.25/82.6	2.38/60.3	3.25/82.6	—	—	3.88/98.4	2.69/68.3	—	—	
1-1/2	3.25/82.6	2.38/60.3	3.25/82.6	—	—	3.88/98.4	2.69/68.3	—	—		
2	3.25/82.6	2.38/60.3	—	—	—	—	—	—	—		
2-1/2	3.25/82.6	2.38/60.3 †	—	—	—	—	—	—	—		
Left or Right Side 10-5/8" x 5-1/2"	GUB2C	1/2	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	1.75/44.5
		3/4	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	1.75/44.5
		1	2.06/52.4	2.06/52.4	2.81/71.4	1.00/254	2.00/50.8	3.31/84.1	2.00/50.8	3.56/90.5	1.75/44.5
		1-1/4	2.06/52.4	2.06/52.4	2.81/71.4	1.19/30.2 *	2.31/58.7 *	3.31/84.1	2.00/50.8	3.44/87.3 *	0.88/47.6 *
		1-1/2	2.06/52.4	2.06/52.4	3.13/79.4	—	—	3.31/84.1	2.00/50.8	—	—
		2	2.63/66.8	2.25/57.2	—	—	—	—	—	—	—
		2-1/2 †	2.63/66.8 †	2.25/57.2 †	—	—	—	—	—	—	—

Caution: Dimensions between hub centres are for use with hubs of the same size. These dimensions will not necessarily hold true for a combination of hubs of extreme sizes. Please consult Engineering Dept. for special combinations of hubs.

‡ Dimensions permit assembly of seals on adjacent conduit runs.

^ Seals must be staggered for assembly on adjacent conduit runs.

† Requires pad. Available only on special order from factory.

* Dimensions will not permit assembly of unions on adjacent conduit runs.

CSA Certification Only.

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

AGUB Instrument and Meter Enclosures

Explosionproof, Dust-Ignitionproof

Furnished with aluminum body and solid or window cover.

Class I, Division 1 and 2, Groups B \diamond , C \diamond , 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
- AGUB covers: copperfree (4/10 of 1% max.) aluminum
- AGUBSW covers: copperfree (4/10 of 1% max.) aluminum and glass
- O-ring: neoprene

Standard Finishes

- Corrosion resistant gray powder coat epoxy standard

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



AGUB Series

\diamond Shaded items on following page are for Groups B and C, all conduits must be sealed within specified distance of enclosure.

AGUB Enclosures for Drilling and Tapping Blank Body Ordering Information

Explosionproof, Dust-Ignitionproof

Furnished with aluminum body and solid or window cover.

Class I, Division 1 and 2, Groups B \diamond , C \diamond , 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 AGUB 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 AGUB443A 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".

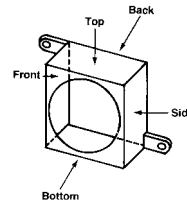
In this example, the complete catalog number is

AGUB443A-1-BOFD

Standard Conduit Opening Arrangement Diagrams

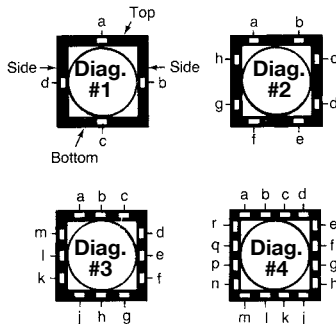
Opening "a" is always TOP of box

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

Contact your local representative for drilling the back side of GUBB boxes.

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 Inches/Millimeters									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	1.25/31.8									
3/4	1.38/35.1	1.50/38.1								
1	1.56/39.6	1.69/42.9	1.88/47.8							
1-1/4	1.88/47.8	2.00/50.8	2.19/55.6	2.44/62.0						
1-1/2	2.00/50.8	2.13/54.1	2.31/58.7	2.63/66.8	2.75/69.9					
2	2.38/60.5	2.50/63.5	2.69/68.3	2.94/74.7	3.13/79.5	3.44/87.4				
2-1/2	2.50/63.5	2.63/66.8	2.81/71.4	3.13/79.5	3.25/82.6	3.63/92.2	3.75/95.3			
3	2.88/73.2	3.00/76.2	3.19/81.0	3.44/87.4	3.63/92.2	3.94/100.1	4.13/104.9	4.44/112.8		
3-1/2	3.13/79.5	3.25/82.6	3.44/87.4	3.75/95.3	3.88/98.6	4.25/108.0	4.38/111.3	4.75/120.7	5.00/127.0	
4	3.44/87.4	3.56/90.4	3.75/95.3	4.06/103.1	4.19/106.4	4.56/115.8	4.69/119.1	5.06/128.5	5.31/134.9	5.63/143.0

\diamond Shaded items on following page are for Groups B and C, all conduits must be sealed within specified distance of enclosure.

AGUB Instrument and Meter Enclosures

Explosionproof, Dust-Ignitionproof

Furnished with aluminum body and solid or window cover.

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 Inches/Millimeters			Maximum Conduit Size (In. - NPT)	Seal Distance in Inches/Millimeters		Cover Opening in Inches/ Millimeters
		Width	Height	Depth		Group B ⁰	Group C ⁰	
AGUB443A	AGUBSW443A	4.25/ 108.0	4.25/ 108.0	3.25/ 82.6	3/4	18.00/ 457.2	None	4.00/ 101.6
AGUB555A	AGUBSW555A	5.38/ 136.5	5.38/ 136.5	5.00/ 127	3/4	3.00/ 76.2	None	4.50/ 114.3
AGUB664A	AGUBSW664A	6.13/ 155.6	6.13/ 155.6	4.25/ 108.0	2	18.00/ 457.2	18.00/ 457.2	5.94/ 150.8
AGUB976A	AGUBSW976A	9.25/ 235.0	7.50/ 190.5	6.00/ 152.4	2	18.00/ 457.2	18.00/ 457.2	7.00/ 177.8
AGUB984A	AGUBSW984A	9.13/ 231.8	8.13/ 206.4	4.38/ 111.1	2	18.00/ 457.2	18.00/ 457.2	7.94/ 201.6
AGUB1093A	AGUBSW1093A	10.00/ 254.0	9.00/ 228.6	3.94/ 100.0	2	18.00/ 457.2	18.00/ 457.2	8.88/ 225.4
AGUB10105A	AGUBSW10105A	10.63/ 269.9	10.63/ 269.9	5.25/ 133.4	3	18.00/ 457.2	18.00/ 457.2	9.88/ 250.8
AGUB10106A	AGUBSW10106A	10.13/ 257.2	10.13/ 257.2	6.00/ 152.4	3	3.00/ 76.2	3.00/ 76.2	9.25/ 235.0
AGUB10108A	AGUBSW10108A	10.13/ 257.2	10.13/ 257.2	8.00/ 203.2	4	3.00/ 76.2	3.00/ 76.2	9.25/ 235.0
AGUB12128A	AGUBSW12128A	12.13/ 308.0	12.13/ 308.0	8.00/ 203.2	4	3.00/ 76.2	3.00/ 76.2	11.25/ 285.8
AGUB121212A	AGUBSW121212A	12.13/ 308.0	12.13/ 308.0	12.00/ 304.8	4	3.00/ 76.2	3.00/ 76.2	11.25/ 285.8

Maximum Number of Drilled and Tapped Conduit Entries

Catalog Number	Side	Trade Size of Conduit									
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
AGUB443A	Long	2	2	-	-	-	-	-	-	-	-
	Short	2	2	-	-	-	-	-	-	-	-
AGUB555A	Long	3	2	-	-	-	-	-	-	-	-
	Short	3	2	-	-	-	-	-	-	-	-
AGUB664A	Long	3	3	2	2	2	1	-	-	-	-
	Short	3	3	2	2	2	1	-	-	-	-
AGUB976A	Long	5	4	4	3	3	2	-	-	-	-
	Short	4	3	3	2	2	2	-	-	-	-
AGUB984A	Long	5	5	4	3	3	2	-	-	-	-
	Short	5	5	4	3	3	2	-	-	-	-
AGUB1093A	Long	6	5	4	3	3	2	-	-	-	-
	Short	5	4	4	3	3	2	-	-	-	-
AGUB10105A	Long	6	5	5	4	3	3	2	2	-	-
	Short	6	5	5	4	3	3	2	2	-	-
AGUB10106A	Long	6	5	4	3	3	2	2	2	-	-
	Short	6	5	4	3	3	2	2	2	-	-
AGUB10108A	Long	6	5	4	3	3	2	2	2	1	1
	Short	6	5	4	3	3	2	2	2	1	1
AGUB12128A	Long	7	6	5	4	4	3	2	2	2	1
	Short	7	6	5	4	4	3	2	2	2	1
AGUB121212A	Long	7	6	5	4	4	3	2	2	2	1
	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 AGUB Series Custom Drill and Tap Schedule.

◊ For Groups B and C, all conduits must be sealed within specified distance of enclosure.

AGUB Instrument and Meter Enclosure Modifications and Accessories

Explosionproof, Dust-Ignitionproof

Class I, Division 1 and 2, Groups B \diamond , C \diamond , 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
AGK-04	#14-4 AWG
AGK-10	#8-1/0 AWG
AGK-25	#6 AWG-250MCM

Mounting Plates — Standard

Catalog Number		Use With
Aluminum	Galvanized Steel	Box Catalog Number
AMPA-443	AMPG-443	AGUB-443A
AMPA-555	AMPG-555	AGUB-555A
AMPA-664	AMPG-664	AGUB-664A
AMPA-976	AMPG-976	AGUB-976A
AMPA-984	AMPG-984	AGUB-984A
AMPA-1093	AMPG-1093	AGUB-1093A
AMPA-10105	AMPG-10105	AGUB-10105A
AMPA-10106	AMPG-10106	AGUB-10106A
AMPA-10108	AMPG-10108	AGUB-10108A
AMPA-12128	AMPG-12128	AGUB-12128A
AMPA-121212	AMPG-121212	AGUB-121212A

Mounting Plates — 90°

Catalog Number		Use With
Aluminum	Galvanized Steel	Box Catalog Number
AMD-4-664A	AMD-4-664G	AGUB-664A
AMD-10-664A	AMD-10-664G	AGUB-664A
AMD-6-984A	AMD-6-984G	AGUB-984A
AMD-8-1093A	AMD-8-1093G	AGUB-1093A
AMD-10-10105A	AMD-10-10105G	AGUB-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
ASW-443A	AGUBSW-443A
ASW-555A	AGUBSW-555A
ASW-664A	AGUBSW-664A
ASW-976A	AGUBSW-976A
ASW-984A	AGUBSW-984A
ASW-1093A	AGUBSW-1093A
ASW-10105A	AGUBSW-10105A
ASW-10106A	AGUBSW-10106/8A
ASW-12128	AGUBSW-12128/12A

Replacement Flat Covers

Catalog Number	Use With Box Catalog Number
AFC-443A	AGUB-443A
AFC-555A	AGUB-555A
AFC-664A	AGUB-664A
AFC-976A	AGUB-976A
AFC-984A	AGUB-984A
AFC-1093A	AGUB-1093A
AFC-10105A	AGUB-10105A
AFC-1010A	AGUB-10106/8A
AFC-1212A	AGUB-12128/12A

NEMA 4X Breather/Drain Fittings

Description	Suffix Factory-Installed *	Catalog Number Field-Installed
Drain Fitting	DN	DRNB4X
Breather Fitting	BR	BRTB4X

* Drilled and tapped installation included.
 \diamond Shaded items on previous page are for Groups B and C,
 all conduits must be sealed within specified distance of enclosure.

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

AGUB 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

* = 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

FIG. 2

AGUB/GUBSW-443	AGUB/GUBSW-976
AGUB/GUBSW-555	AGUB/GUBSW-1093
AGUB/GUBSW-664	AGUB/GUBSW-10105
AGUB/GUBSW-984	AGUB/GUBSW-10106/8
	AGUB/GUBSW-12128/12

CONDUIT D&T SCHEDULE

CAT. NO. _____

FORM A-12352

REV _____

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 _____

Enclosures and Junction Boxes

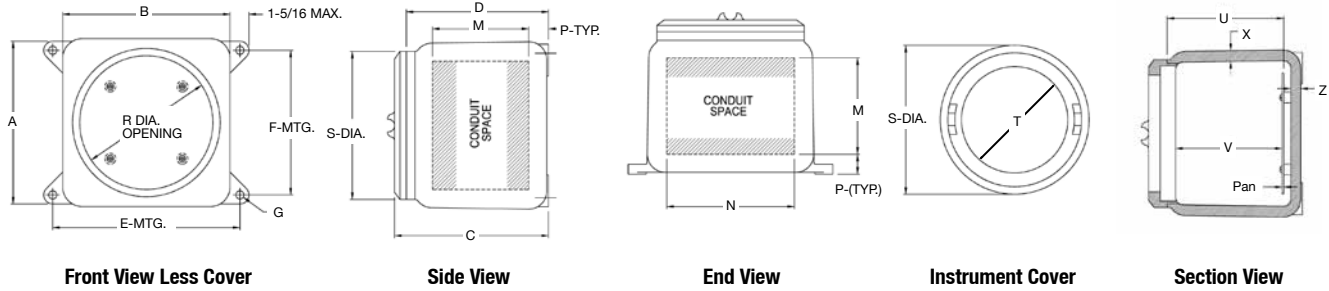
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

AGUB Instrument and Meter Enclosure Dimensions

Explosionproof, Dust-Ignitionproof

Solid Cover and Window Cover

AGUB Solid Cover * and AGUBSW Window Cover Series



Catalog Number	Dimensions in Inches/Millimeters																
	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	5.31/	5.31/	5.19/	4.56/	6.25/	3.88/	0.38/	2.81/	3.75/	0.75/	4.00/	4.63/	2.50/	4.00/	3.00/	0.44/	0.44/
	134.9	134.9	131.8	115.9	158.8	98.4	9.5	71.4	95.3	19.1	101.6	117.5	63.5	101.6	76.2	11.1	11.1
555A	6.25/	6.25/	6.94/	6.25/	7.50/	5.00	0.38/	4.06/	4.25/	0.94/	4.25/	5.25/	3.19/	5.50/	4.63/	0.44/	0.75/
	158.8	158.8	176.2	158.8	190.5	127.0	9.5	103.2	108.0	23.8	108.0	133.4	81.0	139.7	117.5	11.1	19.1
664A	7.00/	7.00/	6.50/	5.69/	8.13/	5.75/	0.38/	3.75/	5.50/	0.88/	5.94/	6.50/	4.00/	5.00/	4.00/	0.44/	0.44/
	177.8	177.8	165.1	144.5	206.4	146.1	9.5	95.3	139.7	22.2	150.8	165.1	101.6	127.0	101.6	11.1	11.1
976A	10.25/	8.50/	8.44/	7.44/	9.75/	9.00/	0.38/	4.94/	6.50/	0.81/	7.00/	7.75/	5.44/	6.38/	5.50/	0.50/	0.44/
	260.4	215.9	214.3	188.9	247.7	228.6	9.5	1254	165.1	20.6	177.8	196.9	138.1	161.9	139.7	12.7	11.1
984A	10.00/	9.00/	6.63/	5.88/	10.13/	8.50/	0.38/	3.81/	7.50/	0.94/	7.94/	8.63/	5.63/	5.06/	4.06/	0.44/	0.69/
	254.0	228.6	168.3	149.2	257.2	215.9	9.5	97.1	190.5	23.8	201.6	219.1	142.9	128.6	103.2	11.1	17.5
1093A	11.56/	10.56/	6.44/	5.69/	12.00	9.25/	0.38/	3.44/	7.88/	0.94/	8.94/	9.75/	5.63/	4.63/	3.63/	0.69/	0.69/
	293.7	268.2	163.5	144.5	304.8	235.0	9.5	87.3	200.1	23.8	227.0	247.7	142.9	117.5	92.1	17.5	17.5
10105A	12.00	12.00	8.75/	7.50/	13.62/	10.00/	0.63/	4.81/	9.75/	1.25/	9.88/	11.00/	7.50/	6.50/	5.19/	0.69/	0.69/
	304.8	304.8	222.3	190.5	346.1	254.0	15.9	122.2	247.7	31.8	250.9	279.4	190.5	165.1	131.8	17.5	17.5
10106A	11.62/	11.62/	9.38/	7.88/	13.00/	10.00/	0.63/	4.69/	8.88/	1.38/	9.25/	10.25/	7.38/	6.56/	5.50/	0.75/	0.69/
	295.3	295.3	238.1	200.1	330.2	254.0	15.9	119.1	225.4	35.0	235.0	260.4	187.3	166.7	139.7	19.1	17.5
10118A	11.62/	11.62/	11.38/	9.88/	13.00/	10.00/	0.63/	6.69/	8.88/	1.38/	9.25/	10.25/	7.38/	8.56/	7.50/	0.75/	0.69/
	295.3	295.3	288.9	250.8	330.2	254.0	15.9	169.9	225.4	35.0	235.0	260.4	187.3	217.4	190.5	19.1	17.5
12128A	13.62/	13.62/	11.75/	9.88/	15.00/	10.00/	0.63/	6.69/	10.88/	1.38/	11.25/	12.25/	9.44/	8.56/	7.50/	0.75/	0.69/
	346.1	346.1	298.5	250.8	381.0	254.0	15.9	169.9	276.2	35.0	285.8	311.2	239.7	217.4	190.5	19.1	17.5
121212A	13.62/	13.62/	15.75/	13.88/	15.00/	10.00/	0.63/	10.69/	10.88/	1.38/	11.25/	12.25/	9.44/	12.56/	11.50/	0.75/	0.69/
	346.1	346.1	400.1	352.4	381.0	254.0	15.9	271.5	276.2	35.0	285.8	311.2	239.7	319.1	292.1	19.1	17.5

* AGUB Solid Cover Series do not have a window.

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

Enclosures and Junction Boxes

AJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

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

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 0.50"/12.7mm high. For factory-installed option add suffix **-AB**.
- Breather, NEMA 4X (includes outlets & installation). For factory-installed option add suffix **-BR**, for field-installed option order catalog number **BRTB4X**.
- Drain, NEMA 4X (includes outlets & 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 & 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**.

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.



- Terminal blocks 600 Volt, 30 Amp Indicate number of points: example: 5 points = 5K. For factory-installed option add suffix **-K**.
- Plastic nameplate, 2.00 x 4.00" / 50.8 x 101.6 mm, .13"/3.3 mm 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**.

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
- Certification Type JBEW U2
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: CE 0081 \oplus II 2 G
 - ATEX/IEC Protection: Ex d IIB + H₂
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: CE 0081 \oplus II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
 - CE Declaration of Conformity: 5C239
 - ATEX Certificate: LCIE 06 ATEX 0010U
 - IECEx Certificate: IECEx LCI 08.001X
 - Internal Volume: > 2dm³ (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)

AJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

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

Catalog Number	Dimensions in Inches/Millimeters												Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	Overall Dimensions			Mounting Dimensions				Inside Dimensions							
	F	E	G	A	AA	B	BB	W	H	Db	Dc	K			
AJBEW040604	7.13/ 181.1	9.13/ 231.9	6.13/ 155.7	N/A	6.75/ 171.5	N/A	2.13/ 54.1	4.00/ 101.6	6.00/ 152.4	3.75/ 95.3	0.75/ 19.1	2.50/ 63.5	1-1/2	20.00/ 9.1	AMH2
AJBEW050903	8.94/ 227.1	13.50/ 342.9	6.13/ 155.7	4.00/ 101.6	N/A	11/ 279.4	N/A	5.06/ 128.5	9.50/ 241.3	3.50/ 88.9	1.13/ 28.7	2.00/ 50.8	1-1/2	20.00/ 9.1	AMH2
AJBEW060604	9.63/ 244.6	9.33/ 237.0	6.25/ 158.8	N/A	8.75/ 222.3	N/A	12.13/ 308.1	6.00/ 152.4	6.00/ 152.4	4.00/ 101.6	0.75/ 19.1	2.38/ 60.5	2	20.00/ 9.1	AMH2
AJBEW060804	10.40/ 264.2	12.40/ 315.0	6.50/ 165.1	4.50/ 114.3	9.13/ 231.9	10.56/ 268.2	4.50/ 114.3	6.00/ 152.4	8.00/ 203.2	3.75/ 95.3	0.75/ 19.1	2.50/ 63.5	2	20.00/ 9.1	AMH2
AJBEW060806	10.40/ 264.2	12.50/ 317.5	8.13/ 206.5	N/A	9.38/ 238.3	N/A	4.50/ 114.3	6.00/ 152.4	8.00/ 203.2	5.75/ 146.1	0.75/ 19.1	2.38/ 60.5	2	20.00/ 9.1	AMH2
AJBEW061004	10.63/ 270.0	15.25/ 387.4	6.75/ 171.5	5.50/ 139.7	N/A	13.13/ 333.5	N/A	6.13/ 155.7	10.75/ 273.1	3.81/ 96.8	1.44/ 36.6	2.00/ 50.8	2	27.00/ 12.2	AMH2
AJBEW061204	10.63/ 270.0	16.60/ 421.6	6.38/ 162.1	N/A	9.13/ 231.9	N/A	8.50/ 215.9	6.13/ 155.7	12.13/ 308.1	4.06/ 103.1	1.00/ 25.4	2.25/ 57.2	2	25.00/ 11.3	AMH2
AJBEW061604	11.00/ 279.4	20.50/ 520.7	6.88/ 174.8	6.00/ 152.4	N/A	18.00/ 457.2	N/A	6.50/ 165.1	16.00/ 406.4	4.13/ 104.9	1.38/ 35.1	2.31/ 58.7	2	32.00/ 14.5	AMH2
AJBEW071106	12.25/ 311.2	15.88/ 403.4	10.00/ 254.0	6.38/ 162.1	N/A	13.50/ 342.9	N/A	7.38/ 187.5	11.38/ 289.1	5.88/ 149.4	2.50/ 63.5	3.38/ 85.9	2	35.00/ 15.9	AMH2
AJBEW080806	12.25/ 311.2	12.25/ 311.2	8.25/ 209.6	4.50/ 114.3	10.75/ 273.1	10.75/ 273.1	4.50/ 114.3	8.00/ 203.2	8.00/ 203.2	5.75/ 146.1	0.75/ 19.1	3.25/ 82.6	2	30.00/ 13.6	AMH2
AJBEW081006	12.50/ 317.5	14.50/ 368.3	8.50/ 215.9	7.00/ 177.8	10.75/ 273.1	12.50/ 317.5	6.50/ 165.1	8.00/ 203.2	10.00/ 254.0	5.75/ 146.1	0.75/ 19.1	3.50/ 88.9	2	36.00/ 16.3	AMH2
AJBEW081307	12.50/ 317.5	17.44/ 443.0	10.38/ 263.7	N/A	10.00/ 254	N/A	8.50/ 215.9	8.00/ 203.2	13.06/ 331.7	3.50/ 88.9	3.50/ 88.9	2.75/ 69.9	2	30.00/ 13.6	AMH2
AJBEW091105	13.88/ 352.6	15.50/ 393.7	8.69/ 220.7	7.25/ 184.2	11.82/ 300.2	13.13/ 333.5	8.56/ 217.4	9.00/ 238.3	11.13/ 282.7	4.81/ 122.2	1.88/ 47.8	3.25/ 82.6	2	22.00/ 10.0	AMH2
AJBEW091504	14.25 /362	20.44/ 519.2	8.50/ 215.9	7.25/ 184.2	11.81/ 300.0	17.88/ 454.2	13.31/ 338.1	9.50/ 241.3	15.56/ 395.2	4.75/ 120.7	1.75/ 44.5	3.00/ 76.2	2	33.00/ 15.0	AMH2
AJBEW101006	14.81/ 376.2	14.81/ 376.2	9.13/ 231.9	6.50/ 165.1	10.78/ 273.8	13.00/ 330.2	4.50/ 114.3	10.25/ 260.4	10.25/ 260.4	5.75/ 146.1	1.50/ 38.1	3.38/ 85.9	2	44.00/ 20.00	AMH2
AJBEW101406	14.50/ 368.3	18.50/ 469.9	8.44/ 214.4	7.00/ 177.8	13.00/ 330.2	16.63/ 422.4	10.63/ 270	10.00/ 254.0	14.00/ 355.6	5.88/ 149.4	0.75/ 19.1	3.13/ 79.5	2	55.00/ 24.9	AMH4
AJBEW101408	14.50/ 368.3	18.50/ 469.9	9.63/ 244.6	N/A	13.00/ 330.2	N/A	10.63/ 270	10.00/ 254.0	14.00/ 355.6	7.75/ 196.9	0.75/ 19.1	4.44/ 112.8	4	60.00/ 27.2	AMH2
AJBEW112005	16.38/ 416.1	25.13/ 638.3	7.50/ 190.5	10.25/ 260.4	14.50/ 368.3	22.63/ 574.8	16.88/ 428.8	11.38/ 289.1	20.00/ 508.0	4.88/ 124.0	1.50/ 38.1	3.50/ 88.9	3	85.00/ 38.6	AMH2
AJBEW112406	15.75/ 400.1	29.38/ 746.3	10.19/ 258.8	8.50/ 215.9	14.13/ 358.9	27.13/ 689.1	20.00/ 508	10.75/ 273.1	24.38/ 619.3	6.00/ 152.4	1.63/ 41.4	4.00/ 101.6	3	72.00/ 32.7	AMH8

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

Enclosures and Junction Boxes

AJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

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

Catalog Number	Dimensions in Inches/Millimeters												Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	Overall Dimensions			Mounting Dimensions				Inside Dimensions							
	F	E	G	A	AA	B	BB	W	H	Db	Dc	K			
AJBEW113006	16.38/416.1	35.00/889.0	10.25/260.4	9.50/241.3	15.13/384.3	32.88/835.2	27.25/692.2	11.25/285.8	29.88/759.0	6.19/157.2	1.88/47.8	4.19/106.4	3	113.00/51.3	AMH8
AJBEW121206	17.38/441.5	17.38/441.5	9.25/235	8.63/219.2	15.63/397.0	15.63/397.0	8.63/219.2	12.25/311.2	12.25/311.2	5.75/146.1	1.50/38.1	3.75/95.3	3	65.00/29.5	AMH8
AJBEW121208	17.38/441.5	17.38/441.5	11.50/292.1	8.63/219.2	15.63/397.0	15.63/397.0	8.63/219.2	12.25/311.2	12.25/311.2	7.75/196.9	1.50/38.1	4.75/120.7	3	70.00/31.8	AMH8
AJBEW121806	17.00/431.8	23.00/584.2	9.13/231.9	7.00/177.8	15.75/400.1	21.00/533.4	14.13/358.9	12.25/311.2	18.25/463.6	5.75/146.1	1.50/38.1	3.50/88.9	4	90.00/40.8	AMH5
AJBEW121808	17.00/431.8	23.00/584.2	11.13/282.7	7.00/177.8	15.75/400.1	21.00/533.4	14.13/358.9	12.25/311.2	18.25/463.6	8.75/222.3	1.50/38.1	4.25/108.0	4	101.00/45.8	AMH5
AJBEW122408	16.75/425.5	28.75/730.3	11.13/282.7	N/A	15.75/400.1	N/A	18.38/466.9	12.00/304.8	24.00/609.6	7.75/196.9	1.00/25.4	4.25/108.0	4	138.00/62.6	AMH4
AJBEW123608	16.75/425.5	40.75/1035.1	11.88/301.8	N/A	15.75/400.1	N/A	29.00/736.6	12.00/304.8	36.00/914.4	7.75/196.9	1.50/38.1	4.56/115.8	4	218.00/98.9	AMH5
AJBEW133806	18.00/457.2	42.50/1079.5	10.44/265.2	16.13/409.7	11.88/301.8	40.75/1035.1	33.75/857.3	13.63/346.2	37.88/962.2	6.13/155.7	1.50/38.1	4.31/109.5	3-1/2	190.00/86.2	AMH8
AJBEW141406	19.38/492.3	19.38/492.3	9.56/242.8	9.75/247.7	17.75/450.9	17.75/450.9	9.75/247.7	14.75/374.7	14.75/374.7	5.75/146.1	1.38/35.1	3.88/98.6	3-1/2	98.00/44.5	AMH8
AJBEW141408	19.38/492.3	19.38/492.3	11.56/293.6	9.75/247.7	17.75/450.9	17.75/450.9	9.75/247.7	14.75/374.7	14.75/374.7	7.75/196.9	1.38/35.1	4.00/101.6	3	105.00/47.6	AMH8
AJBEW142408	19.63/498.6	29.00/736.6	12.00/304.8	13.13/333.5	N/A	27.50/698.5	N/A	14.88/378	24.25/616.0	8.00/203.2	1.50/38.1	4.00/101.6	4	131.00/59.4	AMH6
AJBEW153707	21.25/539.8	43.00/1092.2	12.06/306.3	13.75/349.3	20.00/508.0	41.63/1057.4	32.00/812.8	15.63/397	37.25/946.2	7.44/189.0	1.50/38.1	5.25/133.4	4	250.00/113.4	AMH8
AJBEW161606	21.00/533.4	21.00/533.4	9.81/249.2	11.00/279.4	19.75/501.7	19.75/501.7	11.00/279.4	16.50/419.1	16.50/419.1	5.75/146.1	1.50/38.1	3.88/98.6	3-1/2	132.00/59.9	AMH8
AJBEW161608	21.00/533.4	21.00/533.4	12.39/314.7	11.00/279.4	19.75/501.7	19.75/501.7	11.00/279.4	16.50/419.1	16.50/419.1	8.38/212.9	1.50/38.1	4.88/124.0	4	140.00/63.5	AMH8
AJBEW161812	21.38/543.1	23.38/593.9	15.06/382.5	12.00/304.8	19.00/482.6	21.00/533.4	14.00/355.6	16.25/412.8	18.25/463.6	11.88/301.8	0.38/9.7	7.00/177.8	4	150.00/68.0	AMH8
AJBEW162206	21.50/546.1	27.31/693.7	9.06/230.1	13.00/330.2	19.88/505.0	25.25/641.4	15.50/393.7	16.44/417.6	22.50/571.5	5.75/146.1	1.25/31.8	3.31/84.1	3	130.00/59.0	AMH8
AJBEW162408	21.00/533.4	28.00/711.2	12.13/308.1	N/A	19.75/501.7	N/A	18.38/466.9	16.25/412.8	24.25/616.0	8.25/209.6	1.50/38.1	5.31/134.9	4	180.00/81.6	AMH6
AJBEW162806	20.75/527.1	32.75/831.9	8.63/219.2	13.00/330.2	N/A	30.75/781.1	N/A	16.25/412.8	28.25/717.6	5.75/146.1	1.50/38.1	3.13/79.5	3	150.00/68.0	AMH5
AJBEW181806	23.38/593.9	23.38/593.9	9.94/252.5	13.00/330.2	21.75/552.5	21.75/552.5	13.00/330.2	18.25/463.6	18.25/463.6	5.75/146.1	1.50/38.1	4.13/104.9	3-1/2	188.00/85.3	AMH8

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

AJBEW Cast Junction Boxes

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Catalog Number	Dimensions in Inches/Millimeters												Max. Conduit Size Inches	Ship Weight lb/kg	Mounting Hardware Catalog Number
	Overall Dimensions			Mounting Dimensions				Inside Dimensions							
	F	E	G	A	AA	B	BB	W	H	Db	Dc	K			
AJBEW181808	23.38/593.9	23.38/593.9	11.94/303.3	13.00/330.2	21.75/552.5	21.75/552.5	13.00/330.2	18.25/463.6	18.25/463.6	7.75/196.9	1.50/38.1	4.50/114.3	4	198.00/89.8	AMH8
AJBEW182408	23.94/608.1	30.00/762.0	12.18/309.4	16.13/409.7	21.75/552.5	27.75/704.9	18.38/466.9	18.25/463.6	24.19/614.4	7.75/196.9	1.50/38.1	5.06/128.5	4	224.00/101.6	AMH8
AJBEW182410	23.94/608.1	30.00/762.0	14.18/360.2	16.13/409.7	21.75/552.5	27.75/704.9	18.38/466.9	18.25/463.6	24.19/614.4	9.75/247.7	1.50/38.1	5.75/146.1	4	235.00/106.6	AMH8
AJBEW183008	22.63/574.8	34.63/879.6	12.13/308.1	N/A	21.75/552.5	N/A	23.00/584.2	18.25/463.6	30.25/768.4	7.75/196.9	1.50/38.1	4.75/120.7	4	265.00/120.2	AMH5
AJBEW183608	23.50/596.9	41.75/1060.5	12.31/312.7	11.00/279.4	21.75/552.5	39.50/1003.3	29.00/736.6	18.25/463.6	36.50/927.1	7.75/196.9	1.50/38.1	4.75/120.7	4	250.00/113.4	AMH8
AJBEW183610	23.50/596.9	41.75/1060.5	14.31/363.5	11.00/279.4	21.75/552.5	39.50/1003.3	29.00/736.6	18.25/463.6	36.50/927.1	9.75/247.7	1.50/38.1	5.50/139.7	4	270.00/122.5	AMH8
AJBEW184207	23.88/606.6	47.88/1216.2	11.88/301.8	16.00/406.4	23.00/584.2	45.38/1152.7	38.38/974.9	18.63/473.2	42.25/1073.2	7.00/177.8	1.50/38.1	5.00/127.0	4	310.00/140.6	AMH8
AJBEW206008	25.00/635.0	65.00/1651.0	12.75/323.9	N/A	23.50/596.9	N/A	50.00/1270.0	20.00/508.0	60.00/1524.0	6.88/174.8	1.50/38.1	4.75/120.7	4	521.00/236.3	AMH5
AJBEW242408	29.38/746.3	29.38/746.3	12.31/312.7	18.38/466.9	28.00/711.2	28.00/711.2	18.38/466.9	24.50/622.3	24.50/622.3	7.75/196.9	1.50/38.1	5.00/127.0	4	225.00/102.1	AMH8
AJBEW242410	29.38/746.3	29.38/746.3	14.31/363.5	18.38/466.9	28.00/711.2	28.00/711.2	18.38/466.9	24.50/622.3	24.50/622.3	9.75/247.7	1.50/38.1	6.13/155.7	4	240.00/108.9	AMH8
AJBEW243008	29.00/736.6	35.00/889.0	13.00/330.2	18.00/457.2	28.00/711.2	34.00/863.6	23.00/584.2	24.00/609.6	30.00/762.0	8.00/203.2	1.94/49.3	5.25/133.4	4	420.00/190.5	AMH8
AJBEW243608	30.75/781.1	43.00/1092.2	13.06/331.7	18.25/463.6	28.00/711.2	40.00/1016.0	29.00/736.6	24.25/616.0	36.25/920.8	7.75/196.9	1.63/41.4	5.13/130.3	4	420.00/190.5	AMH5
AJBEW243610	30.75/781.1	43.00/1092.2	15.06/382.5	18.25/463.6	28.00/711.2	40.00/1016.0	29.00/736.6	24.25/616.0	36.25/920.8	9.75/247.7	1.63/41.4	6.00/152.4	4	450.00/204.1	AMH5
AJBEW303808	36.00/914.4	44.00/1117.6	13.75/349.3	N/A	35.00/889.0	N/A	29.00/736.6	30.00/762.0	38.00/965.2	7.75/196.9	2.00/50.8	6.13/155.7	4	600.00/272.2	AMH6
AJBEW303816	36.00/914.4	44.00/1117.6	20.06/509.5	N/A	35.00/889.0	N/A	29.00/736.6	30.00/762.0	38.00/965.2	15.50/393.7	7.75/196.9	6.13/155.7	4	800.00/362.9	AMH6

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

Enclosures and Junction Boxes

AJBEW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Options

Factory-Installed Suffix	Field-Installed Catalog Number	Description
AB	Not Available	Set of 4 standoffs 0.50"/12.7mm high
BR	BRTB4X	Breather, NEMA 4X (includes outlets & installation)
DN	ECD50B4X	Drain, NEMA 4X (includes outlets & 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 & 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, 2.00 x 4.00" / 50.8 x 101.6 mm, .13"/3.3 mm black letters on white surface, 3 lines max, specify legend.
Q	Not Available	SS captive Quad-Lead bolts
XU	Not Available	ATEX 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	AMH1	1/4" - 20 X 1-1/4" Bolt, 1/4" - 20 Hex Nut, 1/4" Washers
MH2	AMH2	3/8" -16 X 1-1/4" Bolt, 3/8" -16 Hex Nut, 3/8" Washers
MH3	AMH3	7/16" - 14 X 1-3/4" Bolt, 7/16" - 14 Hex Nut, 7/16" Washers
MH4	AMH4	1/2" - 13 x 1-3/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH5	AMH5	1/2" - 13 X 2" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH6	AMH6	5/8" - 11 X 2" Bolt, 5/8" - 11 Hex Nut, 5/8" Washers
MH7	AMH7	1/2" - 13 X 1-1/4" Bolt, 1/2" - 13 Hex Nut, 1/2" Washers
MH8	AMH8	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 2"/50.8 mm of the enclosure.

AJBEW Cast Junction Box Options and Accessories

Explosionproof, Dust-Ignitionproof

Class I, Division 1, 2, Groups B \diamond , C \diamond , D
 Class I, Zone 1, 2, Groups IIA, IIB \diamond +H \diamond ₂ \diamond
 Class II, Division 1, 2, Groups E, F, G
 Class III
 NEMA 4, 7B \diamond C \diamond D, 9EFG

Mounting Pans

Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Inches/Millimeters	
		W	H
AZ-464	AJBEW040604	3.00/76.2	5.00/127.0
AZ-664	AJBEW060604	4.75/120.7	4.75/120.7
AZ-686	AJBEW060806	4.50/114.3	6.50/165.1
AZ-593	AJBEW050903	4.00/101.6	8.50/215.9
AZ-684	AJBEW060804	4.50/114.3	6.50/165.1
AZ-6104	AJBEW061004	5.00/127.0	10.50/266.7
AZ-6124	AJBEW061204	5.50/139.7	11.00/279.4
AZ-6164	AJBEW061604	5.25/133.4	15.00/381.0
AZ-7116	AJBEW071106	6.50/165.1	10.00/254.0
AZ-886	AJBEW080806	6.50/165.1	6.50/165.1
AZ-8106	AJBEW081006	6.50/165.1	8.50/215.9
AZ-8137	AJBEW081307	6.00/152.4	11.00/279.4
AZ-9115	AJBEW091105	8.25/209.6	10.00/254.0
AZ-9154	AJBEW091504	8.13/206.5	14.75/374.7
AZ-10104/6	AJBEW101006	7.50/190.5	7.50/190.5
AZ-10146/8	AJBEW101408	9.00/228.6	13.00/330.2
AZ-10146/8	AJBEW101408	9.00/228.6	13.00/330.2
AZ-11205	AJBEW112005	10.50/266.7	19.00/482.6
AZ-11246	AJBEW112406	9.88/251.0	23.25/590.6
AZ-11306	AJBEW113006	9.88/251.0	28.50/723.9
AZ-12126/8	AJBEW121206	10.50/266.7	10.50/266.7
AZ-12126/8	AJBEW121208	10.50/266.7	10.50/266.7
AZ-12186/8	AJBEW121806	10.50/266.7	16.50/419.1
AZ-12186/8	AJBEW121808	10.50/266.7	16.50/419.1
AZ-12248/10	AJBEW122408	10.75/273.05	22.63/574.8
AZ-12368	AJBEW123608	10.00/254.0	34.00/863.6
AZ-13386	AJBEW133806	11.50/292.1	36.38/924.1

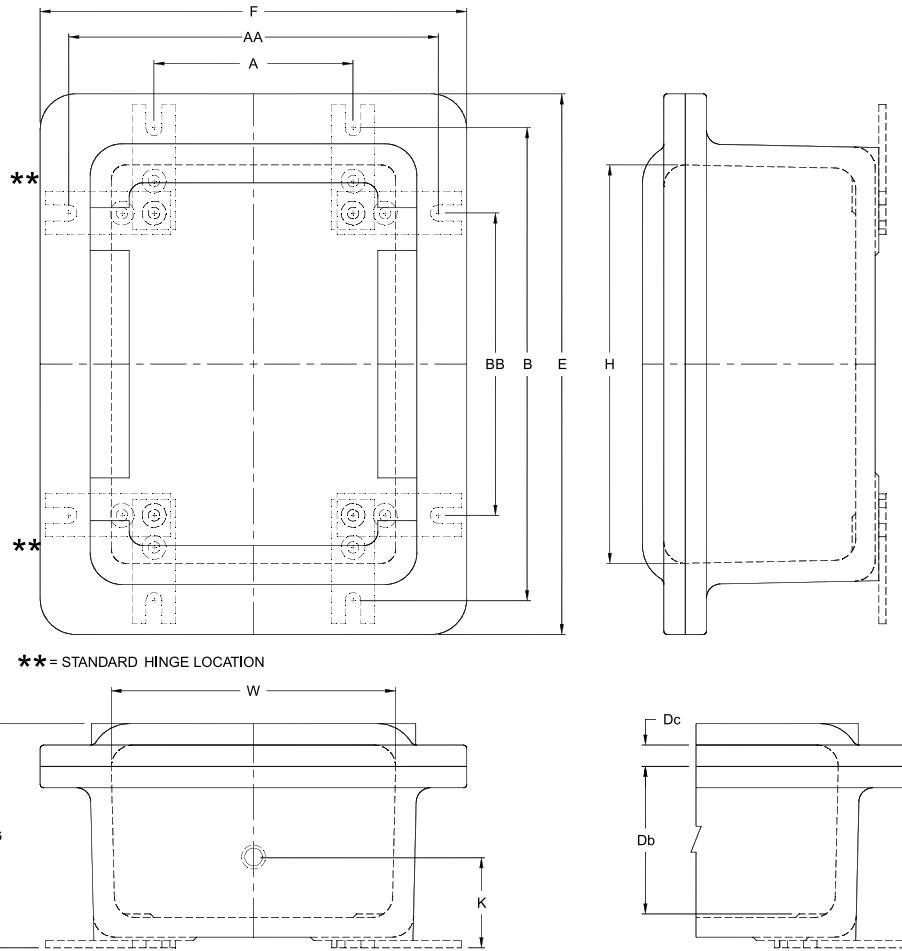
Mounting Pan Catalog Number	Junction Box Catalog Number	Overall Dimensions in Inches/Millimeters	
		W	H
AZ-14146/8	AJBEW141406	12.25/311.2	12.25/311.2
AZ-14146/8	AJBEW141408	12.25/311.2	12.25/311.2
AZ-14248	AJBEW142408	14.00/355.6	22.38/568.5
AZ-15377	AJBEW153707	14.50/368.3	35.50/901.7
AZ-16166/8	AJBEW161606	15.00/381.0	15.00/381.0
AZ-16166/8	AJBEW161608	15.00/381.0	15.00/381.0
AZ-161812	AJBEW161812	15.00/381.0	16.00/406.4
AZ-16226	AJBEW162206	14.00/355.6	20.00/508.0
AZ-16248	AJBEW162408	14.75/374.7	22.75/577.9
AZ-16286	AJBEW162806	14.00/355.6	26.00/660.4
AZ-18186/8	AJBEW181806	16.00/406.4	16.00/406.4
AZ-18186/8	AJBEW181808	16.00/406.4	16.00/406.4
AZ-18248/10	AJBEW182408	16.00/406.4	22.00/558.8
AZ-18248/10	AJBEW182410	16.00/406.4	22.00/558.8
AZ-18308	AJBEW183008	16.00/406.4	28.00/711.2
AZ-18368/10	AJBEW183608	17.00/431.8	34.75/882.7
AZ-18368/10	AJBEW183610	17.00/431.8	34.75/882.7
AZ-18427	AJBEW184207	17.00/431.8	40.00/1016.0
AZ-205610	AJBEW205610	17.00/431.8	54.00/1371.6
AZ-20608	AJBEW206008	18.00/457.2	57.50/1460.5
AZ-24248/10	AJBEW242408	22.00/558.8	22.00/558.8
AZ-24248/10	AJBEW242410	22.00/558.8	22.00/558.8
AZ-24308	AJBEW243008	22.50/571.5	28.00/711.2
AZ-24368/10	AJBEW243608	22.00/558.8	34.00/863.6
AZ-24368/10	AJBEW243610	22.00/558.8	34.00/863.6
AZ-30388	AJBEW303808	28.00/711.2	36.00/914.4
AZ-30388	AJBEW303816	28.00/711.2	36.00/914.4

\diamond For Groups B and C, all conduits must be sealed within 2"/50.8 mm of the enclosure.

AJBEW 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 Inches/Millimeters									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	2.13/54.1	2.13/54.1	2.25/57.2	2.63/66.8	2.81/71.4	3.13/79.5	3.63/92.2	4.00/101.6	4.50/114.3	4.50/114.3
3/4	2.13/54.1	2.13/54.1	2.25/57.2	2.63/66.8	2.81/71.4	3.13/79.5	3.63/92.2	4.00/101.6	4.50/114.3	4.50/114.3
1	2.25/57.2	2.25/57.2	2.38/60.5	2.81/71.4	3.00/76.2	3.25/82.6	3.75/95.3	4.13/104.9	4.50/114.3	4.63/117.6
1-1/4	2.63/66.8	2.63/66.8	2.81/71.4	3.13/79.5	3.31/84.1	3.63/92.2	4.13/104.9	4.50/114.3	4.75/120.7	5.00/127.0
1-1/2	2.81/71.4	2.81/71.4	3.00/76.2	3.31/84.1	3.50/88.9	3.81/96.8	4.31/109.5	4.63/117.6	4.94/125.5	5.25/133.4
2	3.13/79.5	3.13/79.5	3.25/82.6	3.63/92.2	3.81/96.8	4.13/104.9	4.63/117.6	5.00/127.0	5.83/148.1	5.75/146.1
2-1/2	3.63/92.2	3.63/92.2	3.75/95.3	4.13/104.9	4.31/109.5	4.63/117.6	5.13/130.3	3.31/84.1	5.75/146.1	6.13/155.7
3	4.00/101.6	4.00/101.6	4.13/104.9	4.50/114.3	4.63/117.6	5.00/127.0	3.31/84.1	5.75/146.1	6.00/152.4	6.25/158.8
3-1/2	4.50/114.3	4.50/114.3	4.50/114.3	4.75/120.7	4.94/125.5	5.38/136.7	5.75/146.1	6.00/152.4	6.25/158.8	6.50/165.1
4	4.50/114.3	4.50/114.3	4.63/117.6	5.00/127.0	5.25/133.4	5.75/146.1	6.13/155.7	6.25/158.8	6.50/165.1	6.75/171.5

EXB Cast Iron Junction Boxes

Explosionproof, Dust-Ignitionproof. Integrally Cast Mounting Feet

Drilled and tapped openings 1/2" thru 6" as specified.

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.

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444



Nominal Inside Dimensions L x W x D Inches/Millimeters	Approximate Side Wall Thickness Inches/Millimeters	Maximum Conduit Size (Inches)	Catalog Number †
4 x 4 x 4 / 101.6 x 101.6 x 101.6	0.47/11.9	2	EXB040404
6 x 6 x 4 / 152.4 x 152.4 x 101.6	0.63/16.0	2	EXB060604
6 x 6 x 6 / 152.4 x 152.4 x 152.4	0.63/16.0	3-1/2	EXB060606
8 x 4 x 4 / 203.2 x 101.6 x 101.6	0.63/16.0	2	EXB080404
8 x 6 x 4 / 203.2 x 152.4 x 101.6	0.63/16.0	2	EXB080604
8 x 6 x 6 / 203.2 x 152.4 x 152.4	0.63/16.0	3-1/2	EXB080606
8 x 8 x 4 / 203.2 x 203.2 x 101.6	0.63/16.0	2	EXB080804
8 x 8 x 6 / 203.2 x 203.2 x 152.4	0.63/16.0	3-1/2	EXB080806
8 x 8 x 8 / 203.2 x 203.2 x 203.2	0.63/16.0	5	EXB080808
10 x 8 x 4 / 254.0 x 203.2 x 101.6	0.63/16.0	2	EXB100804
10 x 8 x 6 / 245.0 x 203.2 x 152.4	0.63/16.0	3-1/2	EXB100806
10 x 8 x 8 / 254.0 x 203.2 x 203.2	0.63/16.0	5	EXB100808
10 x 10 x 4 / 254.0 x 254.0 x 101.6	0.63/16.0	2	EXB101004
10 x 10 x 6 / 254.0 x 254.0 x 152.4	0.63/16.0	3-1/2	EXB101006
10 x 10 x 8 / 254.0 x 254.0 x 203.2	0.63/16.0	5	EXB101008
12 x 8 x 4 / 304.8 x 203.2 x 101.6	0.63/16.0	2	EXB120804
12 x 12 x 4 / 304.8 x 304.8 x 101.6	0.69/17.5	2	EXB121204
12 x 12 x 6 / 304.8 x 304.8 x 152.4	0.69/17.5	3-1/2	EXB121206
12 x 12 x 8 / 304.8 x 304.8 x 203.2	0.69/17.5	5	EXB121208
12 x 12 x 10 / 304.8 x 304.8 x 254.0	0.69/17.5	6	EXB121210
12 x 12 x 12 / 304.8 x 304.8 x 304.8	0.69/17.5	6	EXB121212

† See EXB Ordering Information page for drilling and tapping options.

EXB Cast Iron Junction Boxes

Explosionproof, Dust-Ignitionproof. Integrally Cast Mounting Feet

Drilled and tapped openings 1/2" thru 6" as specified.

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

Nom. Inside Dimensions LxWxD Inches/Millimeters	Approximate Side Wall Thickness Inches/Millimeters	Maximum Conduit Size	Catalog Number †
18 x 12 x 4 / 457.2 x 304.8 x 101.6	0.81/20.6	2	EXB181204
18 x 12 x 6 / 457.2 x 304.8 x 152.4	0.81/20.6	3-1/2	EXB181206
18 x 12 x 8 / 457.2 x 304.8 x 203.2	0.81/20.6	5	EXB181208
18 x 12 x 12 / 457.2 x 304.8 x 304.8	0.81/20.6	6	EXB181212
18 x 18 x 6 / 457.2 x 457.2 x 152.4	0.81/20.6	3-1/2	EXB181806
18 x 18 x 8 / 457.2 x 457.2 x 203.2	0.81/20.6	5	EXB181808
18 x 18 x 12 / 457.2 x 457.2 x 304.8	0.81/20.6	6	EXB181812
24 x 12 x 8 / 609.9 x 304.8 x 203.2	0.81/20.6	5	EXB241208
24 x 12 x 10 / 609.9 x 304.8 x 245.0	0.81/20.6	6	EXB241210
24 x 12 x 12 / 609.9 x 304.8 x 304.8	0.81/20.6	6	EXB241212
24 x 18 x 6 / 609.9 x 457.2 x 152.4	0.94/23.9	3	EXB241806
24 x 18 x 8 / 609.9 x 457.2 x 203.2	0.94/23.9	6	EXB241808
24 x 18 x 10 / 609.9 x 457.2 x 245.0	0.94/23.9	6	EXB241810
24 x 18 x 12 / 609.9 x 457.2 x 304.8	0.94/23.9	6	EXB241812
24 x 24 x 8 / 609.9 x 609.9 x 203.2	0.94/23.9	5	EXB242408
24 x 24 x 12 / 609.9 x 609.9 x 304.8	0.94/23.9	6	EXB242412
30 x 12 x 10 / 762.0 x 304.8 x 245.0	1.06/26.9	6	EXB301210
30 x 24 x 8 / 762.0 x 609.9 x 203.2	1.06/26.9	5	EXB302408
30 x 24 x 10 / 762.0 x 609.9 x 245.0	1.06/26.9	6	EXB302410
30 x 24 x 12 / 762.0 x 609.9 x 304.8	1.06/26.9	6	EXB302412

Hinges (Malleable Iron, Hot Dip Galvanized)

EXB Box Size	Catalog Number	Number of Hinges per set
Up to 12" x 12" / 304.8 x 304.8 mm	AHNG-22G	2
Up to 24" x 18" / 609.9 x 457.2 mm	AHNG-23G	2
Up to 30" x 12" / 762.0 x 304.8 mm	AHNG-24G	2
Larger than 30" x 12" / 762.0 x 304.8 mm	AHNG-34G	3

† See EXB Ordering Information page for drilling and tapping options.

EXB 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.

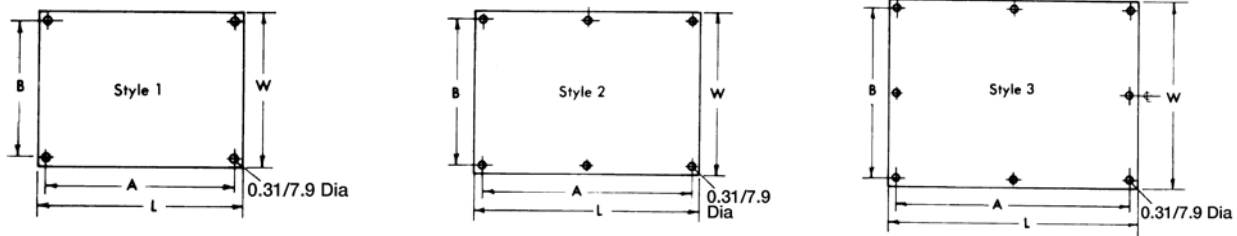
Class I, Division 1 and 2, Group D
Class II, Division 1 and 2 Groups E, F, G
Class III

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 0.13"/3.3mm thick hot dip galvanized material. Aluminum plates are 0.13"/3.3 mm thick material up to and including 12 x 12" / 304.8 x 304.8 mm size. All larger sizes are constructed of 0.19"/4.8mm 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 **EXB181204**
Line 2 **WYM-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 & Width of Junction Box in in/mm	Catalog Number		Style	Dimension in Inches/Millimeters			
	Steel Plates	Aluminum Plates		L	W	A	B
8 x 8/203.2 x 203.2	WYM-0808-1	WYM-0808-1A	1	6.75/171.5	6.75/171.5	6.00/152.4	6.00/152.4
10 x 8/254.0 x 203.2	WYM-1008-1	WYM-1008-1A	1	8.75/222.3	6.75/171.5	8.00/203.2	8.00/203.2
10 x 10/254.0 x 254.0	WYM-1010-1	WYM-1010-1A	1	8.75/222.3	8.75/222.3	8.00/203.2	8.00/203.2
12 x 8/304.8 x 203.2	WYM-1208-1	WYM-1208-1A	1	10.75/273.1	6.75/171.5	10.00/254.0	6.00/152.4
12 x 10/304.8 x 254.0	WYM-1210-1	WYM-1210-1A	1	10.75/273.1	8.75/222.3	10.00/254.0	8.00/203.2
12 x 12/304.8 x 304.8	WYM-1212-1	WYM-1212-1A	1	10.75/273.1	10.75/273.1	10.00/254.0	10.00/254.0
14 x 8/355.6 x 203.2	WYM-1408-1	WYM-1408-1A	1	12.75/323.9	6.75/171.5	12.00/304.8	6.00/152.4
14 x 14/355.6 x 355.6	WYM-1414-1	WYM-1414-1A	1	12.75/323.9	12.75/323.9	12.00/304.8	12.00/304.8
16 x 8/406.4 x 203.2	WYM-1608-1	WYM-1608-1A	1	14.75/374.7	6.75/171.5	14.00/355.6	6.00/152.4
16 x 12/406.4 x 304.8	WYM-1612-1	WYM-1612-1A	1	14.75/374.7	10.75/273.1	14.00/355.6	10.00/254.0
16 x 16/406.4 x 406.4	WYM-1616-1	WYM-1616-1A	1	14.75/374.7	14.75/374.7	14.00/355.6	14.00/355.6
18 x 8/457.2 x 203.2	WYM-1808-1	WYM-1808-1A	1	16.75/171.5	6.75/171.5	16.00/152.4	6.00/152.4
18 x 10/457.2 x 254.0	WYM-1810-1	WYM-1810-1A	1	16.75/171.5	8.75/222.3	16.00/152.4	8.00/203.2
18 x 12/457.2 x 304.8	WYM-1812-1	WYM-1812-1A	1	16.75/171.5	10.75/273.1	16.00/152.4	10.00/254.0
18 x 14/457.2 x 355.6	WYM-1814-1	WYM-1814-1A	1	16.75/171.5	12.75/323.9	16.00/152.4	12.00/304.8
18 x 16/457.2 x 406.4	—	—	—	—	—	—	—
18 x 18/457.2 x 457.2	WYM-1818-1	WYM-1818-1A	1	16.75/171.5	16.75/171.5	16.00/152.4	16.00/152.4
20 x 10/508.0 x 254.0	WYM-2010-1	WYM-2010-1A	1	18.75/222.3	8.75/222.3	18.00/203.2	8.00/203.2
24.00 x 12.00/609.6 x 304.8	WYM-2412-1	WYM-2412-1A	2	21.75/552.5	9.75/247.7	21.00/533.4	9.00/228.6
24.00 x 18.00/609.6 x 457.2	WYM-2418-1	WYM-2418-1A	2	21.75/552.5	15.75/400.1	21.00/533.4	15.00/381.0
24.00 x 24.00/609.6 x 609.6	WYM-2424-1	WYM-2424-1A	3	21.75/552.5	21.75/552.5	21.00/533.4	21.00/533.4
28.00 x 12.00/711.2 x 304.8	WYM-2812-1	WYM-2812-1A	2	25.75/654.1	9.75/247.7	25.00/635.0	9.00/228.6
30.00 x 12.00/762.0 x 304.8	WYM-3012-1	WYM-3012-1A	2	27.75/704.9	9.75/247.7	27.00/685.8	9.00/228.6
30.00 x 18.00/762.0 x 457.2	WYM-3018-1	WYM-3018-1A	2	27.75/704.9	15.75/400.1	27.00/685.8	15.00/381.0
30.00 x 24.00/762.0 x 609.6	WYM-3024-1	WYM-3024-1A	3	27.75/704.9	21.75/552.5	27.00/685.8	21.00/533.4
36.00 x 12.00/914.4 x 304.8	WYM-3612-1	WYM-3612-1A	2	33.75/857.3	9.75/247.7	33.00/838.2	9.00/228.6
36.00 x 18.00/914.4 x 457.2	WYM-3618-1	WYM-3618-1A	2	33.75/857.3	15.75/400.1	33.00/838.2	15.00/381.0
36.00 x 24.00/914.4 x 609.6	WYM-3624-1	WYM-3624-1A	3	33.75/857.3	21.75/552.5	33.00/838.2	21.00/533.4
36.00 x 30.00/914.4 x 762.0	WYM-3630-1	WYM-3630-1A	3	33.75/857.3	27.75/704.9	33.00/838.2	27.00/685.8
36.00 x 36.00/914.4 x 914.4	WYM-3636-1	WYM-3636-1A	3	33.75/857.3	33.75/857.3	33.00/838.2	33.00/838.2

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

EXB 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.

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.

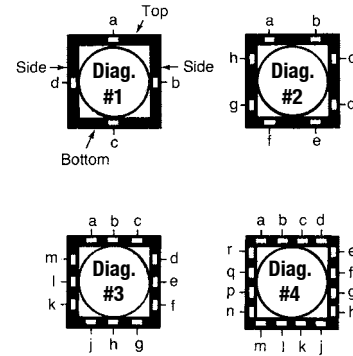
Example:

The junction box selected is **EXB181208** 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:

EXB181208-1-AD0E-WYM-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 2.13"/54.1mm.

Conduit Size Inches	Minimum space between conduit opening centerlines Inches/Millimeters									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	1.25/31.8									
3/4	1.38/35.1	1.50/38.1								
1	1.56/39.6	1.69/42.9	1.88/47.8							
1-1/4	1.88/47.8	2.00/50.8	2.19/55.6	2.44/62.0						
1-1/2	2.00/50.8	2.13/54.1	2.31/58.7	2.63/66.8	2.75/69.9					
2	2.38/60.5	2.50/63.5	2.69/68.3	2.94/74.7	3.13/79.5	3.44/87.4				
2-1/2	2.50/63.5	2.63/66.8	2.81/71.4	3.13/79.5	3.25/82.6	3.63/92.2	3.75/95.3			
3	2.88/73.2	3.00/76.2	3.19/81.0	3.44/87.4	3.63/92.2	3.94/100.1	4.13/104.9	4.44/112.8		
3-1/2	3.13/79.5	3.25/82.6	3.44/87.4	3.75/95.3	3.88/98.6	4.25/108.0	4.38/111.3	4.75/120.7	5.00/127.0	
4	3.44/87.4	3.56/90.4	3.75/95.3	4.05/102.9	4.19/106.4	4.56/115.8	4.69/119.1	5.06/128.5	5.31/134.9	5.63/143.0

Diameters of Bushings, Unions, Conduit and Seals, Inches/Millimeters

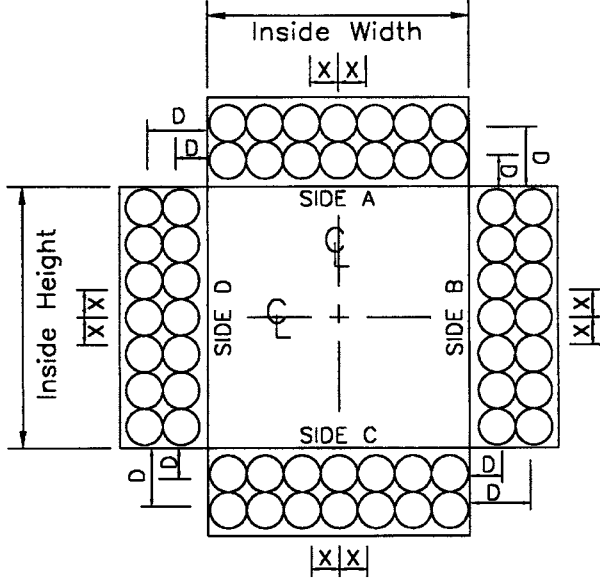
Conduit Size Inches	Diameters of Fittings for 1/2" through 4" Conduit									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
BBU Bushing	1.06/26.9	1.31/33.3	1.56/39.6	1.94/49.3	2.19/55.6	2.69/68.3	3.19/81.0	3.88/98.6	4.38/111.3	4.88/124.0
BU Bushing	1.13/28.7	1.25/31.8	1.63/41.4	2.06/52.3	2.31/58.7	2.94/74.7	3.25/82.6	3.88/98.6	4.56/115.8	5.06/128.5
UNY/UNF (R) Union	1.50/38.1	1.75/44.5	2.00/50.8	2.81/71.4	3.06/77.7	3.75/95.3	4.94/125.5	5.44/138.2	5.94/150.9	6.50/165.1
Conduit	0.88/22.4	1.06/26.9	1.38/35.1	1.69/42.9	1.94/49.3	2.38/60.5	2.88/73.2	3.50/88.9	4.00/101.6	4.50/114.3
EYM-EYF Seals Turning Radius	1.06/26.9	1.19/30.2	1.38/35.1	1.75/44.5	2.06/52.3	2.31/58.7	2.69/68.3	3.13/79.5	3.44/87.4	3.69/93.7

EXB Series Junction Box Drill and Tap Schedule

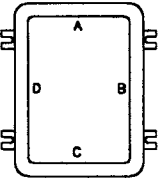
Dust-Ignitionproof, Watertight

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>	<h3>CHECK LIST</h3> <p>ARE INDICATED CONDUIT SIZES WITHIN THE CATALOG PUBLISHED MAXIMUM ON PAGES K-40 AND K-43?</p> <p>CHECK FOR MINIMUM SPACING BETWEEN CONDUIT OPENINGS PER CONDUIT SPACING TABLE, ON PAGE K-41.</p> <p><input type="checkbox"/> SIGN NAME TO DWG.</p> <p>NAME _____</p> <p>DATE _____</p>
	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						

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 _____

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 9EFG

Applications

- DTX 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 -**WYM**
- Refer to *Junction Box Mounting Plate Information* for complete listing of available mounting plates.

Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444



DTX Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 9EFG

Approximate Thickness Side Walls in/mm	Maximum Conduit Size (In.-NPT)	Inside Dim. Inches/Millimeters				Iron Weight lb/kg	Aluminum Weight lb/kg	Catalog Number †	
		L	x	W	x				D
0.25/6.4	3/4	4.00/101.6	x	4.00/101.6	x	3.00/76.2	7.00/3.2	2.00/0.9	DTX-040403
0.25/6.4	3/4	4.00/101.6	x	4.00/101.6	x	4.00/101.6	8.00/3.6	3.00/1.4	DTX-040404
0.25/6.4	3/4	5.00/127.0	x	5.00/127.0	x	4.00/101.6	8.00/3.6	3.00/1.4	DTX-050504
0.25/6.4	3/4	6.00/152.4	x	4.00/101.6	x	3.00/76.2	8.00/3.6	3.00/1.4	DTX-060403
0.25/6.4	3/4	6.00/152.4	x	4.00/101.6	x	4.00/101.6	8.00/3.6	3.00/1.4	DTX-060404
0.25/6.4	3/4	6.00/152.4	x	6.00/152.4	x	3.00/76.2	11.00/5.0	4.00/1.8	DTX-060603
0.25/6.4	3/4	6.00/152.4	x	6.00/152.4	x	4.00/101.6	15.00/6.8	6.00/2.7	DTX-060604
0.25/6.4	3/4	6.00/152.4	x	6.00/152.4	x	6.00/152.4	18.00/8.2	7.00/3.2	DTX-060606
0.25/6.4	3/4	8.00/203.2	x	4.00/101.6	x	3.00/76.2	11.00/5.0	4.00/1.8	DTX-080403
0.25/6.4	3/4	8.00/203.2	x	4.00/101.6	x	4.00/101.6	12.00/5.4	5.00/2.3	DTX-080404
0.25/6.4	3/4	8.00/203.2	x	6.00/152.4	x	3.00/76.2	15.00/6.8	6.00/2.7	DTX-080603
0.25/6.4	3/4	8.00/203.2	x	6.00/152.4	x	4.00/101.6	16.00/7.3	6.00/2.7	DTX-080604
0.25/6.4	3/4	8.00/203.2	x	6.00/152.4	x	6.00/152.4	22.00/10.00	8.00/3.6	DTX-080606
0.25/6.4	3/4	8.00/203.2	x	8.00/203.2	x	4.00/101.6	24.00/10.9	9.00/4.1	DTX-080804
0.25/6.4	3/4	8.00/203.2	x	8.00/203.2	x	6.00/152.4	29.00/13.2	11.00/5.0	DTX-080806
0.25/6.4	3/4	8.00/203.2	x	8.00/203.2	x	8.00/203.2	33.00/15.0	13.00/5.9	DTX-080808
0.25/6.4	3/4	10.00/254.0	x	6.00/152.4	x	4.00/101.6	22.00/10.00	8.00/3.6	DTX-100604
0.25/6.4	3/4	10.00/254.0	x	6.00/152.4	x	6.00/152.4	24.00/10.9	9.00/4.1	DTX-100606
0.25/6.4	3/4	10.00/254.0	x	8.00/203.2	x	4.00/101.6	29.00/13.2	11.00/5.0	DTX-100804
0.25/6.4	3/4	10.00/254.0	x	8.00/203.2	x	6.00/152.4	34.00/15.4	13.00/5.9	DTX-100806
0.25/6.4	3/4	10.00/254.0	x	8.00/203.2	x	8.00/203.2	41.00/18.6	15.00/6.8	DTX-100808
0.25/6.4	3/4	10.00/254.0	x	10.00/254.0	x	4.00/101.6	31.00/14.1	12.00/5.4	DTX-101004
0.25/6.4	3/4	10.00/254.0	x	10.00/254.0	x	6.00/152.4	39.00/17.7	15.00/6.8	DTX-101006
0.25/6.4	3/4	10.00/254.0	x	10.00/254.0	x	8.00/203.2	45.00/20.4	18.00/8.2	DTX-101008
0.25/6.4	3/4	12.00/304.8	x	4.00/101.6	x	4.00/101.6	23.00/10.4	9.00/4.1	DTX-120404
0.25/6.4	3/4	12.00/304.8	x	6.00/152.4	x	4.00/101.6	27.00/12.2	10.00/4.5	DTX-120604
0.25/6.4	3/4	12.00/304.8	x	6.00/152.4	x	6.00/152.4	32.00/14.5	12.00/5.4	DTX-120606
0.25/6.4	3/4	12.00/304.8	x	8.00/203.2	x	4.00/101.6	31.00/14.1	12.00/5.4	DTX-120804
0.25/6.4	3/4	12.00/304.8	x	8.00/203.2	x	6.00/152.4	40.00/18.1	15.00/6.8	DTX-120806
0.25/6.4	3/4	12.00/304.8	x	8.00/203.2	x	8.00/203.2	48.00/21.8	18.00/8.2	DTX-120808
0.25/6.4	3/4	12.00/304.8	x	10.00/254.0	x	4.00/101.6	44.00/20.0	17.00/7.7	DTX-121004
0.25/6.4	3/4	12.00/304.8	x	10.00/254.0	x	6.00/152.4	47.00/21.3	18.00/8.2	DTX-121006
0.25/6.4	3/4	12.00/304.8	x	10.00/254.0	x	8.00/203.2	50.00/22.7	19.00/8.6	DTX-121008
0.25/6.4	3/4	12.00/304.8	x	12.00/304.8	x	4.00/101.6	45.00/20.4	17.00/7.7	DTX-121204
0.25/6.4	3/4	12.00/304.8	x	12.00/304.8	x	6.00/152.4	54.00/24.5	19.00/8.6	DTX-121206
0.31/7.9	2	12.00/304.8	x	12.00/304.8	x	7.00/177.8	60.00/27.2	22.00/10.0	DTX-121207
0.31/7.9	2	12.00/304.8	x	12.00/304.8	x	8.00/203.2	66.00/29.9	25.00/11.3	DTX-121208
0.31/7.9	2	12.00/304.8	x	12.00/304.8	x	10.00/254.0	72.00/32.7	27.00/12.2	DTX-121210
0.31/7.9	2	12.00/304.8	x	12.00/304.8	x	12.00/304.8	82.00/37.2	31.00/14.1	DTX-121212
0.25/6.4	3/4	14.00/101.6	x	8.00/203.2	x	4.00/101.6	35.00/15.9	13.00/5.9	DTX-140804
0.25/6.4	3/4	14.00/101.6	x	8.00/203.2	x	6.00/152.4	40.00/18.1	15.00/6.8	DTX-140806
0.25/6.4	3/4	14.00/101.6	x	8.00/203.2	x	8.00/203.2	52.00/23.6	20.00/9.1	DTX-140808
0.31/7.9	2	14.00/101.6	x	14.00/101.6	x	6.00/152.4	75.00/34.0	28.00/12.7	DTX-141406
0.31/7.9	2	14.00/101.6	x	14.00/101.6	x	8.00/203.2	85.00/38.6	32.00/14.5	DTX-141408

† Type DTX 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 0.25"/6.4mm wall thickness. For aluminum box and cover, add suffix -A.

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 9EFG

Approximate Thickness Side Walls in/mm	Maximum Conduit Size (In.-NPT)	Inside Dim. Inches/Millimeters				Iron Weight lb/kg	Aluminum Weight lb/kg	Catalog Number †	
		L	x	W	x				D
0.31/7.9	2	14.00/355.6	x	14.00/355.6	x	10.00/254.0	92.00/41.7	34.00/15.4	DTX-141410
0.28/7.1	3/4	16.00/406.4	x	12.00/304.8	x	4.00/101.6	62.00/28.1	23.00/10.4	DTX-161204
0.28/7.1	3/4	16.00/406.4	x	12.00/304.8	x	6.00/152.4	73.00/33.1	27.00/12.2	DTX-161206
0.28/7.1	3/4	16.00/406.4	x	12.00/304.8	x	8.00/203.2	81.00/36.7	30.00/13.6	DTX-161208
0.31/7.9	2	16.00/406.4	x	16.00/406.4	x	6.00/152.4	100.00/45.4	37.00/16.8	DTX-161606
0.28/7.1	3/4	18.00/457.2	x	6.00/152.4	x	6.00/152.4	50.00/22.7	19.00/8.6	DTX-180606
0.28/7.1	3/4	18.00/457.2	x	8.00/203.2	x	4.00/101.6	52.00/23.6	20.00/9.1	DTX-180804
0.28/7.1	3/4	18.00/457.2	x	8.00/203.2	x	6.00/152.4	57.00/25.9	21.00/9.5	DTX-180806
0.25/6.4	3/4	18.00/457.2	x	12.00/304.8	x	4.00/101.6	61.00/27.7	23.00/10.4	DTX-181204
0.28/7.1	3/4	18.00/457.2	x	12.00/304.8	x	6.00/152.4	82.00/37.2	31.00/14.1	DTX-181206
0.31/7.9	2	18.00/457.2	x	12.00/304.8	x	8.00/203.2	97.00/44.0	36.00/16.3	DTX-181208
0.31/7.9	2	18.00/457.2	x	12.00/304.8	x	10.00/254.0	107.00/48.5	40.00/18.1	DTX-181210
0.31/7.9	2	18.00/457.2	x	12.00/304.8	x	12.00/304.8	125.00/56.7	47.00/21.3	DTX-181212
0.34/8.6	2	18.00/457.2	x	12.00/304.8	x	18.00/457.2	171.00/77.6	64.00/29.0	DTX-181218
0.31/7.9	2	18.00/457.2	x	18.00/457.2	x	6.00/152.4	130.00/59.0	48.00/21.8	DTX-181806
0.31/7.9	2	18.00/457.2	x	18.00/457.2	x	8.00/203.2	141.00/64.0	52.00/23.6	DTX-181808
0.31/7.9	2	18.00/457.2	x	18.00/457.2	x	10.00/254.0	156.00/70.8	58.00/26.3	DTX-181810
0.31/7.9	2	18.00/457.2	x	18.00/457.2	x	12.00/304.8	181.00/82.1	67.00/30.4	DTX-181812
0.31/7.9	2	24.00/609.6	x	12.00/304.8	x	6.00/152.4	105.00/47.6	39.00/17.7	DTX-241206
0.31/7.9	2	24.00/609.6	x	12.00/304.8	x	8.00/203.2	125.00/56.7	47.00/21.3	DTX-241208
0.31/7.9	2	24.00/609.6	x	12.00/304.8	x	12.00/304.8	160.00/72.6	60.00/27.2	DTX-241212
0.34/8.6	2	24.00/609.6	x	18.00/457.2	x	6.00/152.4	165.00/74.8	61.00/27.7	DTX-241806
0.34/8.6	2	24.00/609.6	x	18.00/457.2	x	8.00/203.2	175.00/79.4	65.00/29.5	DTX-241808
0.34/8.6	2	24.00/609.6	x	18.00/457.2	x	10.00/254.0	190.00/86.2	70.00/31.8	DTX-241810
0.34/8.6	2	24.00/609.6	x	18.00/457.2	x	12.00/304.8	235.00/106.6	87.00/39.5	DTX-241812
0.34/8.6	2	24.00/609.6	x	24.00/609.6	x	6.00/152.4	225.00/102.1	84.00/38.1	DTX-242406
0.34/8.6	2	24.00/609.6	x	24.00/609.6	x	8.00/203.2	235.00/106.6	87.00/39.5	DTX-242408
0.38/9.7	2	24.00/609.6	x	24.00/609.6	x	10.00/254.0	260.00/117.9	96.00/43.5	DTX-242410
0.38/9.7	2	24.00/609.6	x	24.00/609.6	x	12.00/304.8	300.00/136.1	111.00/50.3	DTX-242412
0.38/9.7	2	28.00/711.2	x	12.00/304.8	x	8.00/203.2	150.00/68.0	56.00/25.4	DTX-281208
0.38/9.7	2	28.00/711.2	x	12.00/304.8	x	12.00/304.8	185.00/83.9	69.00/31.3	DTX-281212
0.38/9.7	2	30.00/762.0	x	24.00/609.6	x	8.00/203.2	310.00/140.6	115.00/52.2	DTX-302408
0.38/9.7	2	30.00/762.0	x	24.00/609.6	x	10.00/254.0	335.00/152.0	124.00/56.2	DTX-302410
0.38/9.7	2	30.00/762.0	x	24.00/609.6	x	12.00/304.8	360.00/163.3	134.00/60.8	DTX-302412
0.38/9.7	2	30.00/762.0	x	24.00/609.6	x	18.00/457.2	480.00/217.7	159.00/72.1	DTX-302418
0.38/9.7	2	36.00/914.4	x	18.00/457.2	x	6.00/152.4	245.00/111.1	91.00/41.3	DTX-361806
0.38/9.7	2	36.00/914.4	x	18.00/457.2	x	8.00/203.2	360.00/163.3	96.00/43.5	DTX-361808
0.38/9.7	2	36.00/914.4	x	18.00/457.2	x	12.00/304.8	350.00/158.8	130.00/59.0	DTX-361812
0.38/9.7	2	36.00/914.4	x	18.00/457.2	x	18.00/457.2	550.00/249.5	209.00/94.8	DTX-361818
0.41/10.4	2	36.00/914.4	x	24.00/609.6	x	18.00/457.2	650.00/294.8	245.00/111.1	DTX-362418
0.44/11.2	5	36.00/914.4	x	36.00/914.4	x	8.00/203.2	485.00/220.0	184.00/83.5	DTX-363608
0.44/11.2	6	36.00/914.4	x	36.00/914.4	x	12.00/304.8	530.00/240.4	200.00/90.7	DTX-363612
0.44/11.2	6	36.00/914.4	x	36.00/914.4	x	18.00/457.2	850.00/385.6	315.00/142.9	DTX-363618

† Type DTX 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 0.25"/6.4mm wall thickness. For aluminum box and cover, add suffix -A.

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX 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.

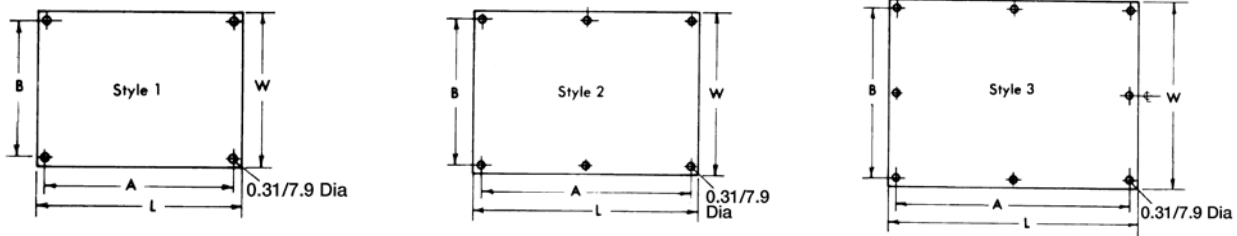
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4, 9EFG

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 0.13"/3.3mm thick hot dip galvanized material. Aluminum plates are 0.13"/3.3 mm thick material up to and including 12 x 12" / 304.8 x 304.8 mm size. All larger sizes are constructed of 0.19"/4.8mm 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 **DTX-181204**
Line 2 **WYM-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 & Width of Junction Box in in/mm	Catalog Number		Style	Dimension in Inches/Millimeters			
	Steel Plates	Aluminum Plates		L	W	A	B
8 x 8/203.2 x 203.2	WYM-0808-1	WYM-0808-1A	1	6.75/171.5	6.75/171.5	6.00/152.4	6.00/152.4
10 x 8/254.0 x 203.2	WYM-1008-1	WYM-1008-1A	1	8.75/222.3	6.75/171.5	8.00/203.2	8.00/203.2
10 x 10/254.0 x 254.0	WYM-1010-1	WYM-1010-1A	1	8.75/222.3	8.75/222.3	8.00/203.2	8.00/203.2
12 x 8/304.8 x 203.2	WYM-1208-1	WYM-1208-1A	1	10.75/273.1	6.75/171.5	10.00/254.0	6.00/152.4
12 x 10/304.8 x 254.0	WYM-1210-1	WYM-1210-1A	1	10.75/273.1	8.75/222.3	10.00/254.0	8.00/203.2
12 x 12/304.8 x 304.8	WYM-1212-1	WYM-1212-1A	1	10.75/273.1	10.75/273.1	10.00/254.0	10.00/254.0
14 x 8/355.6 x 203.2	WYM-1408-1	WYM-1408-1A	1	12.75/323.9	6.75/171.5	12.00/304.8	6.00/152.4
14 x 14/355.6 x 355.6	WYM-1414-1	WYM-1414-1A	1	12.75/323.9	12.75/323.9	12.00/304.8	12.00/304.8
16 x 8/406.4 x 203.2	WYM-1608-1	WYM-1608-1A	1	14.75/374.7	6.75/171.5	14.00/355.6	6.00/152.4
16 x 12/406.4 x 304.8	WYM-1612-1	WYM-1612-1A	1	14.75/374.7	10.75/273.1	14.00/355.6	10.00/254.0
16 x 16/406.4 x 406.4	WYM-1616-1	WYM-1616-1A	1	14.75/374.7	14.75/374.7	14.00/355.6	14.00/355.6
18 x 8/457.2 x 203.2	WYM-1808-1	WYM-1808-1A	1	16.75/171.5	6.75/171.5	16.00/152.4	6.00/152.4
18 x 10/457.2 x 254.0	WYM-1810-1	WYM-1810-1A	1	16.75/171.5	8.75/222.3	16.00/152.4	8.00/203.2
18 x 12/457.2 x 304.8	WYM-1812-1	WYM-1812-1A	1	16.75/171.5	10.75/273.1	16.00/152.4	10.00/254.0
18 x 14/457.2 x 355.6	WYM-1814-1	WYM-1814-1A	1	16.75/171.5	12.75/323.9	16.00/152.4	12.00/304.8
18 x 16/457.2 x 406.4	—	—	—	—	—	—	—
18 x 18/457.2 x 457.2	WYM-1818-1	WYM-1818-1A	1	16.75/171.5	16.75/171.5	16.00/152.4	16.00/152.4
20 x 10/508.0 x 254.0	WYM-2010-1	WYM-2010-1A	1	18.75/222.3	8.75/222.3	18.00/203.2	8.00/203.2
24.00 x 12.00/609.6 x 304.8	WYM-2412-1	WYM-2412-1A	2	21.75/552.5	9.75/247.7	21.00/533.4	9.00/228.6
24.00 x 18.00/609.6 x 457.2	WYM-2418-1	WYM-2418-1A	2	21.75/552.5	15.75/400.1	21.00/533.4	15.00/381.0
24.00 x 24.00/609.6 x 609.6	WYM-2424-1	WYM-2424-1A	3	21.75/552.5	21.75/552.5	21.00/533.4	21.00/533.4
28.00 x 12.00/711.2 x 304.8	WYM-2812-1	WYM-2812-1A	2	25.75/654.1	9.75/247.7	25.00/635.0	9.00/228.6
30.00 x 12.00/762.0 x 304.8	WYM-3012-1	WYM-3012-1A	2	27.75/704.9	9.75/247.7	27.00/685.8	9.00/228.6
30.00 x 18.00/762.0 x 457.2	WYM-3018-1	WYM-3018-1A	2	27.75/704.9	15.75/400.1	27.00/685.8	15.00/381.0
30.00 x 24.00/762.0 x 609.6	WYM-3024-1	WYM-3024-1A	3	27.75/704.9	21.75/552.5	27.00/685.8	21.00/533.4
36.00 x 12.00/914.4 x 304.8	WYM-3612-1	WYM-3612-1A	2	33.75/857.3	9.75/247.7	33.00/838.2	9.00/228.6
36.00 x 18.00/914.4 x 457.2	WYM-3618-1	WYM-3618-1A	2	33.75/857.3	15.75/400.1	33.00/838.2	15.00/381.0
36.00 x 24.00/914.4 x 609.6	WYM-3624-1	WYM-3624-1A	3	33.75/857.3	21.75/552.5	33.00/838.2	21.00/533.4
36.00 x 30.00/914.4 x 762.0	WYM-3630-1	WYM-3630-1A	3	33.75/857.3	27.75/704.9	33.00/838.2	27.00/685.8
36.00 x 36.00/914.4 x 914.4	WYM-3636-1	WYM-3636-1A	3	33.75/857.3	33.75/857.3	33.00/838.2	33.00/838.2

Enclosures and Junction Boxes

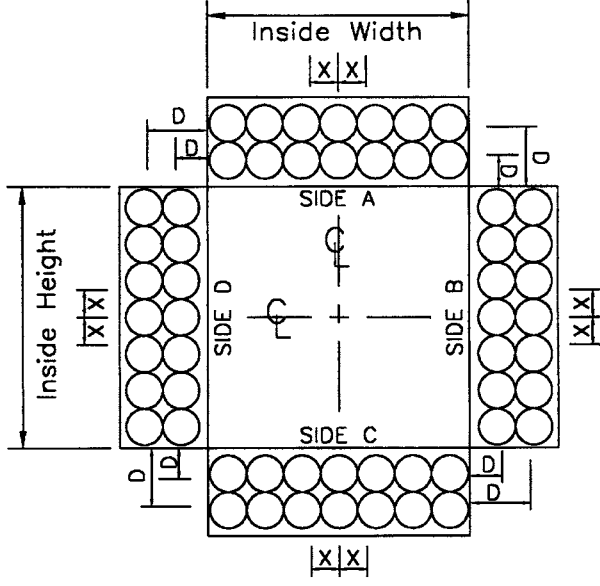
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX Series Junction Box Drill and Tap Schedule

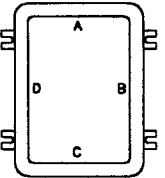
Dust-Ignitionproof, Watertight

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>	<h3>CHECK LIST</h3> <p>ARE INDICATED CONDUIT SIZES WITHIN THE CATALOG PUBLISHED MAXIMUM ON PAGES K-40 AND K-43?</p> <p>CHECK FOR MINIMUM SPACING BETWEEN CONDUIT OPENINGS PER CONDUIT SPACING TABLE, ON PAGE K-41.</p> <p><input type="checkbox"/> SIGN NAME TO DWG.</p>
	CONDUIT SIZE	X 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					

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 _____

Enclosures and Junction Boxes

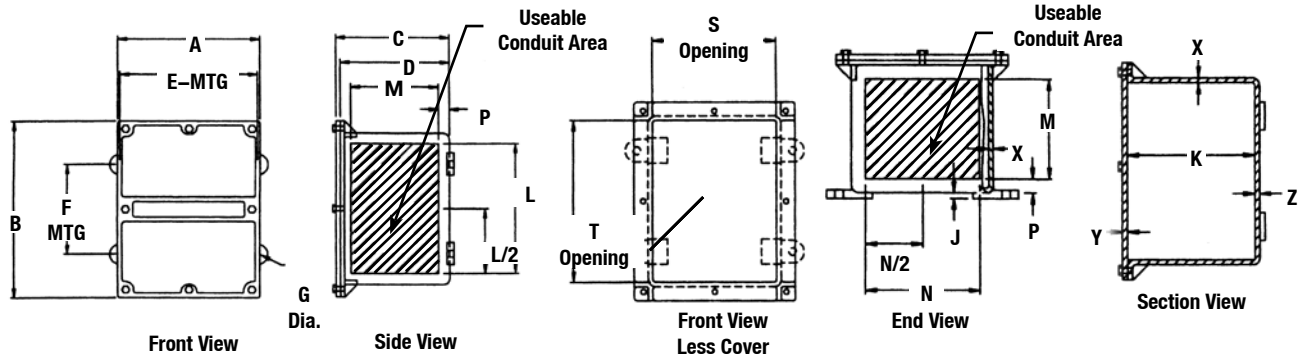
ENCLOSURES AND JUNCTION BOXES; HAZARDOUS JUNCTION BOXES

DTX 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 Inches/Millimeters



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			
5.56/141.2	5.56/141.2	3.34/84.8	3.16/80.3	5.56/141.2	3.00/76.2	0.31/7.9	0.13/3.3	3.00/76.2	3.50/88.9	2.31/58.7	3.50/88.9	0.44/11.2	4.00/101.6	4.00/101.6	0.16/4.1	0.19/4.8	0.16/4.1	DTX-040403		
5.56/141.2	5.56/141.2	4.34/110.2	4.16/105.7	5.56/141.2	4.00/101.6	0.31/7.9	0.13/3.3	4.00/101.6	3.50/88.9	2.31/58.7	3.50/88.9	0.44/11.2	4.00/101.6	4.00/101.6	0.16/4.1	0.19/4.8	0.16/4.1	DTX-040404		
6.81/173.0	6.81/173.0	4.38/111.3	4.19/106.4	6.50/165.1	4.00/101.6	0.31/7.9	0.13/3.3	4.00/101.6	4.50/114.3	3.31/84.1	3.50/88.9	0.44/11.2	5.00/127.0	5.00/127.0	0.19/4.8	0.19/4.8	0.19/4.8	DTX-050504		
5.56/141.2	7.56/192.0	3.34/84.8	3.16/80.3	5.38/136.7	5.00/127.0	0.31/7.9	0.13/3.3	3.00/76.2	5.50/139.7	2.31/58.7	3.50/88.9	0.44/11.2	4.00/101.6	6.00/152.4	0.16/4.1	0.19/4.8	0.16/4.1	DTX-060403		
5.56/141.2	7.56/192.0	4.34/110.2	4.16/105.7	5.38/136.7	5.00/127.0	0.31/7.9	0.13/3.3	3.00/76.2	5.50/139.7	3.31/84.1	3.50/88.9	0.44/11.2	4.00/101.6	6.00/152.4	0.16/4.1	0.19/4.8	0.16/4.1	DTX-060404		
7.81/198.4	7.81/198.4	3.38/85.9	3.19/81.0	7.50/190.5	4.00/101.6	0.38/9.7	0.25/6.4	3.00/76.2	5.50/139.7	2.25/57.2	5.50/139.7	0.44/11.2	6.00/152.4	6.00/152.4	0.19/4.8	0.19/4.8	0.19/4.8	DTX-060603		
7.81/198.4	7.81/198.4	4.41/112.0	4.22/107.2	7.50/190.5	4.00/101.6	0.38/9.7	0.25/6.4	4.00/101.6	5.50/139.7	3.25/82.6	5.50/139.7	0.44/11.2	6.00/152.4	6.00/152.4	0.22/5.6	0.19/4.8	0.22/5.6	DTX-060604		
7.81/198.4	7.81/198.4	6.41/162.8	6.22/158.0	7.50/190.5	4.00/101.6	0.38/9.7	0.25/6.4	6.00/152.4	5.50/139.7	6.25/158.8	5.50/139.7	0.44/11.2	6.00/152.4	6.00/152.4	0.19/4.8	0.19/4.8	0.19/4.8	DTX-060606		
5.81/147.6	9.81/249.2	3.44/87.4	3.19/81.0	5.50/139.7	5.00/127.0	0.38/9.7	0.25/6.4	3.00/76.2	7.50/190.5	2.25/57.2	3.50/88.9	0.47/11.9	4.00/101.6	8.00/203.2	0.19/4.8	0.25/6.4	0.19/4.8	DTX-080403		
5.81/147.6	9.81/249.2	4.44/112.8	4.19/106.4	5.50/139.7	5.00/127.0	0.38/9.7	0.25/6.4	4.00/101.6	7.50/190.5	3.25/82.6	3.50/88.9	0.47/11.9	4.00/101.6	8.00/203.2	0.19/4.8	0.25/6.4	0.19/4.8	DTX-080404		
7.81/198.4	9.81/249.2	3.47/88.1	3.22/81.8	7.63/193.8	5.00/127.0	0.38/9.7	0.25/6.4	3.00/76.2	7.50/190.5	2.25/57.2	5.50/139.7	0.50/12.7	6.00/152.4	8.00/203.2	0.22/5.6	0.25/6.4	0.22/5.6	DTX-080603		
7.81/198.4	9.81/249.2	4.47/113.5	4.22/107.2	7.63/193.8	5.00/127.0	0.38/9.7	0.25/6.4	4.00/101.6	7.50/190.5	3.25/82.6	5.50/139.7	0.50/12.7	6.00/152.4	8.00/203.2	0.22/5.6	0.25/6.4	0.22/5.6	DTX-080404		
7.81/198.4	9.81/249.2	6.47/164.3	6.22/158.0	7.63/193.8	5.00/127.0	0.38/9.7	0.25/6.4	6.00/152.4	7.50/190.5	5.25/133.4	5.50/139.7	0.50/12.7	6.00/152.4	8.00/203.2	0.22/5.6	0.25/6.4	0.22/5.6	DTX-080606		

Enclosures and Junction Boxes

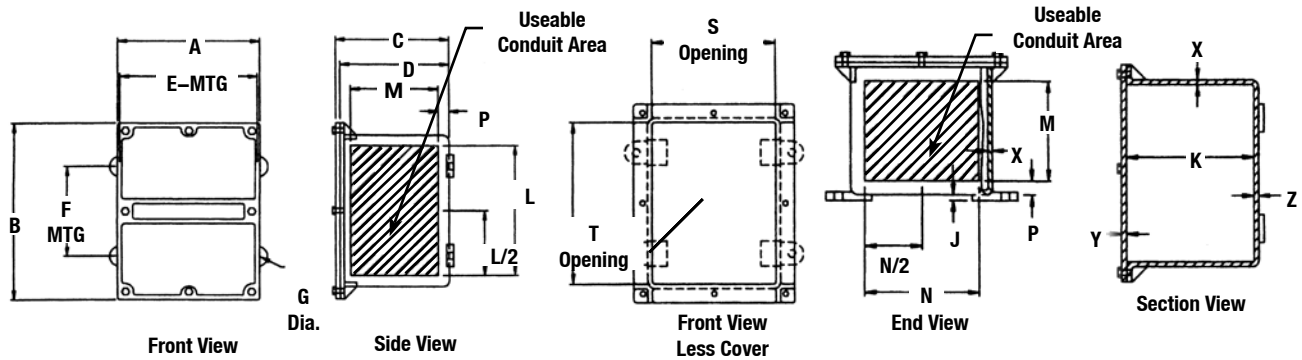
ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX 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 Inches/Millimeters



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	
9.81/ 249.2	9.81/ 249.2	4.47/ 113.5	4.22/ 107.2	9.63/ 244.6	5.00/ 127.0	0.38/ 9.7	0.25/ 6.4	4.00/ 101.6	7.50/ 190.5	3.25/ 82.6	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	8.00/ 203.2	0.22/ 5.6	0.25/ 6.4	0.22/ 5.6	DTX-080804
9.81/ 249.2	9.81/ 249.2	6.47/ 164.3	6.22/ 158.0	9.63/ 244.6	5.00/ 127.0	0.38/ 9.7	0.25/ 6.4	6.00/ 152.4	7.50/ 190.5	5.25/ 133.4	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	8.00/ 203.2	0.22/ 5.6	0.25/ 6.4	0.22/ 5.6	DTX-080806
9.81/ 249.2	9.81/ 249.2	8.47/ 215.1	8.22/ 208.8	9.63/ 244.6	5.00/ 127.0	0.38/ 9.7	0.25/ 6.4	8.00/ 203.2	7.38/ 187.5	7.25/ 184.2	7.38/ 187.5	0.50/ 12.7	8.00/ 203.2	8.00/ 203.2	0.22/ 5.6	0.25/ 6.4	0.22/ 5.6	DTX-080808
7.81/ 198.4	11.81/ 300.0	4.47/ 113.5	4.22/ 107.2	7.63/ 193.8	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	4.00/ 101.6	9.50/ 241.3	3.25/ 82.6	5.50/ 139.7	0.50/ 12.7	6.00/ 152.4	10.00/ 254.0	0.22/ 5.6	0.25/ 6.4	0.22/ 5.6	DTX-010604
7.81/ 198.4	11.81/ 300.0	6.47/ 164.3	6.22/ 158.0	7.63/ 193.8	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	6.00/ 152.4	9.50/ 241.3	5.25/ 133.4	5.50/ 139.7	0.50/ 12.7	6.00/ 152.4	10.00/ 254.0	0.22/ 5.6	0.25/ 6.4	0.22/ 5.6	DTX-100606
10.06/ 255.5	12.81/ 325.4	40.53/ 1029.5	4.25/ 108.0	90.75/ 2305.1	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	4.00/ 101.6	9.50/ 241.3	3.25/ 82.6	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-100804
10.06/ 255.5	120.06/ 3049.5	8.47/ 215.1	6.25/ 158.8	90.75/ 2305.1	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	6.00/ 152.4	9.50/ 241.3	5.25/ 133.4	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-100806
10.06/ 255.5	120.06/ 3049.5	80.53/ 2045.5	8.25/ 209.6	90.75/ 2305.1	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	8.00/ 203.2	9.38/ 238.3	7.25/ 184.2	7.38/ 187.5	0.50/ 12.7	8.00/ 203.2	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-100808
10.06/ 255.5	120.06/ 3049.5	40.53/ 1029.5	4.25/ 108.0	11.63/ 295.4	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	4.00/ 101.6	9.50/ 241.3	3.25/ 82.6	9.50/ 241.3	0.50/ 12.7	10.00/ 254.0	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-101004
10.06/ 255.5	120.06/ 3049.5	60.53/ 1537.5	6.25/ 158.8	11.63/ 295.4	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	6.00/ 152.4	9.50/ 241.3	5.25/ 133.4	9.50/ 241.3	0.50/ 12.7	10.00/ 254.0	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-101006
12.06/ 306.3	120.06/ 3049.5	80.53/ 2045.5	8.25/ 209.6	11.63/ 295.4	7.00/ 177.8	0.38/ 9.7	0.25/ 6.4	8.00/ 203.2	9.38/ 238.3	7.25/ 184.2	9.38/ 238.3	0.50/ 12.7	10.00/ 254.0	10.00/ 254.0	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-101008
6.06/ 153.9	140.06/ 3557.5	4.50/ 114.3	4.25/ 108.0	5.38/ 136.7	8.00/ 203.2	0.38/ 9.7	0.25/ 6.4	4.00/ 101.6	11.50/ 292.1	3.25/ 82.6	3.50/ 88.9	0.50/ 12.7	4.00/ 101.6	12.00/ 304.8	0.25/ 6.4	0.25/ 6.4	0.25/ 6.4	DTX-120404
8.06/ 204.7	140.06/ 3557.5	40.53/ 1029.5	4.25/ 108.0	8.38/ 212.9	8.00/ 203.2	0.44/ 11.2	0.38/ 9.7	4.00/ 101.6	11.50/ 292.1	3.25/ 82.6	5.50/ 139.7	0.50/ 12.7	6.00/ 152.4	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-120604
8.06/ 204.7	140.06/ 3557.5	60.53/ 1537.5	6.25/ 158.8	8.38/ 212.9	8.00/ 203.2	0.44/ 11.2	0.38/ 9.7	6.00/ 152.4	11.50/ 292.1	5.25/ 133.4	5.50/ 139.7	0.50/ 12.7	6.00/ 152.4	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-120606

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

DTX 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 Inches/Millimeters

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	
10.06/ 255.5	14.06/ 357.1	4.53/ 115.0	4.25/ 108.0	10.38/ 263.7	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	11.50/ 292.1	3.25/ 82.6	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-120804
10.06/ 255.5	14.06/ 357.1	6.53/ 165.9	6.25/ 158.8	10.38/ 263.7	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	11.50/ 292.1	5.25/ 113.4	7.50/ 190.5	0.50/ 12.7	8.00/ 203.2	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-120806
10.06/ 255.5	14.06/ 357.1	8.53/ 216.7	8.25/ 209.6	10.38/ 263.7	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	11.38/ 289.1	7.25/ 184.2	7.38/ 187.5	0.50/ 12.7	8.00/ 203.2	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-120808
12.06/ 306.3	14.06/ 357.1	4.53/ 115.0	4.25/ 108.0	12.38/ 314.5	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	11.50/ 292.1	3.25/ 82.6	9.50/ 241.3	0.50/ 12.7	10.00/ 254.0	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-121004
12.06/ 306.3	14.06/ 357.1	6.53/ 165.9	6.25/ 158.8	12.38/ 314.5	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	11.50/ 292.1	5.25/ 113.4	9.50/ 241.3	0.50/ 12.7	10.00/ 254.0	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-121006
12.06/ 306.3	14.06/ 357.1	8.53/ 216.7	8.25/ 209.6	12.38/ 314.5	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	11.50/ 292.1	7.25/ 184.2	9.38/ 238.3	0.50/ 12.7	10.00/ 254.0	12.00/ 304.8	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-121008
14.06/ 357.1	14.06/ 357.1	4.56/ 115.8	4.25/ 108.0	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	11.38/ 289.1	3.19/ 81.0	11.50/ 292.1	0.50/ 12.7	12.00/ 304.8	12.00/ 304.8	0.25/ 6.4	0.31/ 7.9	0.25/ 6.4	DTX-121204
14.06/ 357.1	14.06/ 357.1	6.56/ 166.6	6.25/ 158.8	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	5.00/ 127.0	11.50/ 292.1	5.19/ 131.8	11.50/ 292.1	0.50/ 12.7	12.00/ 304.8	12.00/ 304.8	0.25/ 6.4	0.31/ 7.9	0.25/ 6.4	DTX-121206
14.06/ 357.1	14.06/ 357.1	7.63/ 193.8	7.31/ 185.7	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	7.00/ 177.8	11.38/ 289.1	6.19/ 157.2	11.38/ 289.1	0.56/ 14.2	12.00/ 304.8	12.00/ 304.8	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-121207
14.06/ 357.1	14.06/ 357.1	8.63/ 219.2	8.31/ 211.1	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	11.38/ 289.1	7.19/ 182.6	11.38/ 289.1	0.56/ 14.2	12.00/ 304.8	12.00/ 304.8	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-121208
14.06/ 357.1	14.06/ 357.1	10.63/ 270.0	10.31/ 261.9	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	10.00/ 254.0	11.25/ 285.8	9.19/ 233.4	11.25/ 285.8	0.56/ 14.2	12.00/ 304.8	12.00/ 304.8	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-121210
14.06/ 357.1	14.06/ 357.1	12.63/ 320.8	12.31/ 312.7	14.38/ 365.3	8.00/ 203.2	0.43/ 10.9	0.38/ 9.7	12.00/ 304.8	11.25/ 285.8	11.19/ 284.2	11.25/ 285.8	0.56/ 14.2	12.00/ 304.8	12.00/ 304.8	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-121212
10.06/ 255.5	16.06/ 407.9	4.53/ 115.0	4.25/ 108.0	10.38/ 263.7	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	13.25/ 336.6	3.00/ 76.2	7.25/ 184.2	0.63/ 16.0	8.00/ 203.2	14.00/ 355.6	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-140804
10.06/ 255.5	16.06/ 407.9	6.53/ 165.9	6.25/ 158.8	10.38/ 263.7	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	13.25/ 336.6	5.00/ 127.0	7.25/ 184.2	0.63/ 16.0	8.00/ 203.2	14.00/ 355.6	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-140806
10.06/ 255.5	16.06/ 407.9	8.53/ 216.7	8.25/ 209.6	10.38/ 263.7	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	13.13/ 333.5	7.00/ 177.8	7.13/ 181.1	0.63/ 16.0	8.00/ 203.2	14.00/ 355.6	0.25/ 6.4	0.28/ 7.1	0.25/ 6.4	DTX-140808
16.63/ 422.4	16.63/ 422.4	6.59/ 167.4	6.28/ 159.5	16.50/ 419.1	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	13.25/ 336.6	4.94/ 125.5	13.25/ 336.6	0.69/ 17.5	14.00/ 355.6	14.00/ 355.6	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-141406
16.63/ 422.4	16.63/ 422.4	8.59/ 218.2	8.28/ 210.3	16.50/ 419.1	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	13.25/ 336.6	6.94/ 176.3	13.25/ 336.6	0.69/ 17.5	14.00/ 355.6	14.00/ 355.6	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-141408
16.63/ 422.4	16.63/ 422.4	10.59/ 269.0	10.28/ 261.1	16.50/ 419.1	10.00/ 254.0	0.43/ 10.9	0.38/ 9.7	10.00/ 254.0	13.00/ 330.2	8.94/ 227.1	13.00/ 330.2	0.69/ 17.5	14.00/ 355.6	14.00/ 355.6	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-141410
14.63/ 371.6	18.63/ 473.2	4.59/ 116.6	4.28/ 108.7	14.50/ 368.3	12.00/ 304.8	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	15.25/ 387.4	2.94/ 74.7	11.25/ 285.8	0.69/ 17.5	12.00/ 304.8	16.00/ 406.4	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-161204
14.63/ 371.6	18.63/ 473.2	6.59/ 167.4	6.28/ 159.5	14.50/ 368.3	12.00/ 304.8	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	15.25/ 387.4	4.94/ 125.5	11.25/ 285.8	0.69/ 17.5	12.00/ 304.8	16.00/ 406.4	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-161206
14.63/ 371.6	18.63/ 473.2	8.59/ 218.2	8.28/ 210.3	14.50/ 368.3	12.00/ 304.8	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	15.00/ 381.0	6.94/ 176.3	11.00/ 279.4	0.69/ 17.5	12.00/ 304.8	16.00/ 406.4	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-161208
18.63/ 473.2	18.63/ 473.2	6.63/ 168.4	6.31/ 160.3	18.50/ 469.9	12.00/ 304.8	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	15.25/ 387.4	4.94/ 125.5	15.25/ 387.4	0.69/ 17.5	16.00/ 406.4	16.00/ 406.4	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-161606
8.09/ 205.5	20.09/ 510.3	6.59/ 167.4	6.28/ 159.5	8.50/ 215.9	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	17.25/ 438.2	4.94/ 125.5	5.25/ 133.4	0.69/ 17.5	6.00/ 152.4	18.00/ 457.2	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-180606
10.09/ 256.3	20.09/ 510.3	4.59/ 116.6	4.28/ 108.7	10.50/ 266.7	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	17.25/ 438.2	2.94/ 74.7	7.25/ 184.2	0.69/ 17.5	8.00/ 203.2	18.00/ 457.2	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-180804
10.09/ 256.3	20.09/ 510.3	6.59/ 167.4	6.28/ 159.5	10.50/ 266.7	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	17.25/ 438.2	4.94/ 125.5	7.25/ 184.2	0.69/ 17.5	8.00/ 203.2	18.00/ 457.2	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-180806
14.63/ 371.6	20.63/ 524.0	4.56/ 115.8	4.25/ 108.0	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	4.00/ 101.6	17.25/ 438.2	2.94/ 74.7	11.25/ 285.8	0.63/ 16.0	12.00/ 304.8	18.00/ 457.2	0.25/ 6.4	0.31/ 7.9	0.25/ 6.4	DTX-181204
14.63/ 371.6	20.63/ 524.0	6.59/ 167.4	6.28/ 159.5	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	6.00/ 152.4	17.25/ 438.2	4.94/ 125.5	11.25/ 285.8	0.69/ 17.5	12.00/ 304.8	18.00/ 457.2	0.28/ 7.1	0.31/ 7.9	0.28/ 7.1	DTX-181206
14.63/ 371.6	20.63/ 524.0	8.63/ 219.2	8.31/ 211.1	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	8.00/ 203.2	17.00/ 431.8	6.94/ 176.3	11.00/ 279.4	0.69/ 17.5	12.00/ 304.8	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181208
14.63/ 371.6	20.63/ 524.0	10.63/ 270.0	10.31/ 261.9	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	10.00/ 254.0	17.00/ 431.8	6.94/ 176.3	11.00/ 279.4	0.69/ 17.5	12.00/ 304.8	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181210
14.63/ 371.6	20.63/ 524.0	12.63/ 320.8	12.31/ 312.7	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	12.00/ 304.8	16.88/ 428.8	10.94/ 277.9	10.88/ 276.4	0.69/ 17.5	12.00/ 304.8	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181212
14.63/ 371.6	20.63/ 524.0	18.66/ 474.0	18.34/ 465.8	14.38/ 365.3	13.00/ 330.2	0.43/ 10.9	0.38/ 9.7	18.00/ 457.2	16.75/ 425.5	16.94/ 430.3	10.75/ 273.1	0.75/ 19.1	12.00/ 304.8	18.00/ 457.2	0.34/ 8.6	0.31/ 7.9	0.34/ 8.6	DTX-181218

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

Enclosures and Junction Boxes

DTX 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 Inches/Millimeters

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			
20.69/ 525.5	20.69/ 525.5	6.63/ 168.4	6.31/ 160.3	20.63/ 524	13.00/ 330.2	0.56/ 14.2	0.38/ 9.7	6.00/ 152.4	17.25/ 438.2	4.94/ 125.5	17.25/ 438.2	0.69/ 17.5	18.00/ 457.2	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181806		
20.69/ 525.5	20.69/ 525.5	8.63/ 219.2	8.31/ 211.1	20.63/ 524	13.00/ 330.2	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	17.25/ 438.2	6.94/ 176.3	17.25/ 438.2	0.69/ 17.5	18.00/ 457.2	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181808		
20.69/ 525.5	20.69/ 525.5	10.63/ 270	12.31/ 312.7	20.63/ 524	13.00/ 330.2	0.56/ 14.2	0.38/ 9.7	10.00/ 254	17.00/ 431.8	8.94/ 227.1	17.00/ 431.8	0.69/ 17.5	18.00/ 457.2	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181810		
20.69/ 525.5	20.69/ 525.5	1.63/ 41.4	12.31/ 312.7	20.63/ 524	13.00/ 330.2	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	17.00/ 431.8	10.94/ 277.9	17.00/ 431.8	0.69/ 17.5	18.00/ 457.2	18.00/ 457.2	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-181812		
20.69/ 385.8	27.19/ 690.6	6.63/ 168.4	6.31/ 160.3	14.63/ 371.6	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	6.00/ 152.4	23.25/ 590.6	4.94/ 125.5	11.25/ 285.8	0.69/ 17.5	12.00/ 304.8	24.00/ 609.6	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-241206		
15.19/ 385.8	27.19/ 690.6	8.63/ 219.2	8.31/ 211.1	14.63/ 371.6	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	23.25/ 590.6	6.94/ 176.3	11.25/ 285.8	0.69/ 17.5	12.00/ 304.8	24.00/ 609.6	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-241208		
15.19/ 385.8	27.19/ 690.6	12.63/ 320.8	12.31/ 312.7	14.63/ 371.6	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	23.00/ 584.2	10.94/ 279.4	11.00/ 279.4	0.69/ 17.5	12.00/ 304.8	24.00/ 609.6	0.31/ 7.9	0.31/ 7.9	0.31/ 7.9	DTX-241212		
21.19/ 538.2	27.19/ 690.6	6.72/ 170.7	6.34/ 161	20.63/ 524	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	6.00/ 152.4	23.25/ 590.6	4.88/ 124	17.25/ 438.2	0.75/ 19.1	18.00/ 457.2	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-241806		
21.19/ 538.2	27.19/ 690.6	8.72/ 221.5	8.34/ 211.8	20.63/ 524	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	23.25/ 590.6	6.88/ 174.8	17.25/ 438.2	0.75/ 19.1	18.00/ 457.2	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-241808		
21.19/ 538.2	27.19/ 690.6	10.72/ 272.3	10.34/ 262.6	20.63/ 524	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	10.00/ 254	23.00/ 584.2	8.88/ 225.6	17.00/ 431.8	0.75/ 19.1	18.00/ 457.2	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-241810		
21.19/ 538.2	27.19/ 690.6	12.72/ 323.1	12.34/ 313.4	20.63/ 524	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	23.00/ 584.2	10.88/ 276.4	17.00/ 431.8	0.75/ 19.1	18.00/ 457.2	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-241812		
21.19/ 538.2	27.19/ 690.6	18.72/ 475.5	18.34/ 465.8	20.63/ 524	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	18.00/ 457.2	23.00/ 584.2	16.88/ 428.8	17.00/ 431.8	0.75/ 19.1	18.00/ 457.2	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-241818		
27.19/ 690.6	27.19/ 690.6	6.72/ 170.7	6.34/ 161	26.88/ 682.8	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	6.00/ 152.4	23.25/ 590.6	4.88/ 124	23.25/ 590.6	0.75/ 19.1	24.00/ 609.6	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-242406		
27.19/ 690.6	27.19/ 690.6	8.72/ 221.5	8.34/ 211.8	26.88/ 682.8	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	23.25/ 590.6	6.88/ 174.8	23.25/ 590.6	0.75/ 19.1	24.00/ 609.6	24.00/ 609.6	0.34/ 8.6	0.38/ 9.7	0.34/ 8.6	DTX-242408		
27.19/ 690.6	27.19/ 690.6	10.75/ 273.1	10.38/ 263.7	26.88/ 682.8	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	10.00/ 254	23.00/ 584.2	8.88/ 225.6	23.00/ 584.2	0.75/ 19.1	24.00/ 609.6	24.00/ 609.6	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-242410		
27.19/ 690.6	27.19/ 690.6	1.75/ 44.5	12.38/ 314.5	26.88/ 682.8	19.00/ 482.6	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	23.00/ 584.2	10.88/ 276.4	23.00/ 584.2	0.75/ 19.1	24.00/ 609.6	24.00/ 609.6	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-242412		
15.19/ 385.8	31.19/ 792.2	12.69/ 322.3	12.34/ 313.4	14.75/ 374.7	22.00/ 558.8	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	27.00/ 685.8	10.88/ 276.4	11.00/ 279.4	0.75/ 19.1	12.00/ 304.8	28.00/ 711.2	0.34/ 8.6	0.34/ 8.6	0.34/ 8.6	DTX-281208		
15.19/ 385.8	31.19/ 792.2	12.69/ 322.3	12.34/ 313.4	14.75/ 374.7	22.00/ 558.8	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	27.00/ 685.8	10.88/ 276.4	11.00/ 279.4	0.75/ 19.1	12.00/ 304.8	28.00/ 711.2	0.34/ 8.6	0.34/ 8.6	0.34/ 8.6	DTX-281212		
27.25/ 692.2	33.25/ 844.6	8.75/ 222.3	8.38/ 212.9	26.88/ 682.8	24.00/ 609.6	0.56/ 14.2	0.38/ 9.7	10.00/ 254	29.25/ 743	8.88/ 225.6	23.25/ 590.6	0.75/ 19.1	24.00/ 609.6	30.00/ 762	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-302408		
27.25/ 692.2	33.25/ 844.6	10.75/ 273.1	10.38/ 263.7	26.88/ 682.8	24.00/ 609.6	0.56/ 14.2	0.38/ 9.7	10.00/ 254	29.25/ 743	8.88/ 225.6	23.25/ 590.6	0.75/ 19.1	24.00/ 609.6	30.00/ 762	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-302410		
27.25/ 692.2	33.25/ 844.6	12.75/ 323.9	12.38/ 314.5	26.88/ 682.8	24.00/ 609.6	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	29.25/ 743	10.88/ 276.4	23.25/ 590.6	0.75/ 19.1	24.00/ 609.6	30.00/ 762	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-302412		
27.25/ 692.2	33.25/ 844.6	18.75/ 476.3	18.38/ 466.9	26.88/ 682.8	24.00/ 609.6	0.56/ 14.2	0.38/ 9.7	18.00/ 457.2	29.00/ 736.6	16.88/ 428.8	23.00/ 584.2	0.75/ 19.1	24.00/ 609.6	30.00/ 762	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-302418		
21.25/ 539.8	39.25/ 997	6.75/ 171.5	6.38/ 162.1	20.88/ 530.4	30.00/ 762	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	35.25/ 819.2	4.88/ 124	17.25/ 438.2	0.75/ 19.1	18.00/ 457.2	36.00/ 914.4	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-361806		
21.25/ 539.8	39.25/ 997	8.75/ 222.3	8.38/ 212.9	20.88/ 530.4	30.00/ 762	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	35.25/ 819.2	6.88/ 174.8	17.25/ 438.2	0.75/ 19.1	18.00/ 457.2	36.00/ 914.4	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-361808		
21.25/ 539.8	39.25/ 997	12.75/ 323.9	12.38/ 314.5	20.88/ 530.4	30.00/ 762	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	36.00/ 914.4	10.88/ 276.4	17.00/ 431.8	0.75/ 19.1	18.00/ 457.2	36.00/ 914.4	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-361812		
21.25/ 539.8	39.25/ 997	18.75/ 476.3	18.38/ 466.9	20.88/ 530.4	30.00/ 762	0.56/ 14.2	0.38/ 9.7	18.00/ 457.2	36.00/ 914.4	16.88/ 428.8	17.00/ 431.8	0.75/ 19.1	18.00/ 457.2	36.00/ 914.4	0.38/ 9.7	0.38/ 9.7	0.38/ 9.7	DTX-361818		
39.00/ 990.6	39.00/ 990.6	8.88/ 225.6	8.88/ 225.6	38.88/ 987.6	30.00/ 762	0.56/ 14.2	0.38/ 9.7	8.00/ 203.2	36.00/ 914.4	6.75/ 171.5	36.00/ 914.4	0.81/ 20.6	36.00/ 914.4	36.00/ 914.4	0.44/ 11.2	0.44/ 11.2	0.44/ 11.2	DTX-363608		
39.00/ 990.6	39.00/ 990.6	10.88/ 276.4	10.88/ 276.4	38.88/ 987.6	30.00/ 762	0.56/ 14.2	0.38/ 9.7	10.00/ 254	35.00/ 889	8.75/ 222.3	36.00/ 914.4	0.81/ 20.6	36.00/ 914.4	36.00/ 914.4	0.44/ 11.2	0.44/ 11.2	0.44/ 11.2	DTX-363610		
39.00/ 990.6	39.00/ 990.6	12.88/ 327.2	12.88/ 327.2	38.88/ 987.6	30.00/ 762	0.56/ 14.2	0.38/ 9.7	12.00/ 304.8	36.00/ 914.4	10.75/ 273.1	36.00/ 914.4	0.81/ 20.6	36.00/ 914.4	36.00/ 914.4	0.44/ 11.2	0.44/ 11.2	0.44/ 11.2	DTX-363612		
39.00/ 990.6	39.00/ 990.6	18.88/ 479.6	18.88/ 479.6	38.88/ 987.6	30.00/ 762	0.56/ 14.2	0.38/ 9.7	18.00/ 457.2	34.88/ 886	16.75/ 425.5	34.88/ 886	0.81/ 20.6	36.00/ 914.4	36.00/ 914.4	0.44/ 11.2	0.44/ 11.2	0.44/ 11.2	DTX-363618		

Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

XP Series Junction Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof

Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIC, IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III
CSA Enclosure Type 3R
EMR Canada

Applications

- Protection and control of electrical apparatus in hazardous environments, either indoors or outdoors.
- Designed for Class I, Zone I areas where flammable gases or vapors are present either continuously or intermittently or under abnormal circumstances.
- Used as a junction, splice or pull box.
- Ideal where number and size of conductors require a large volume enclosure.

Features

- Removable hinged cover gives unobstructed access to enclosure.
- Installation is easy with keyhole mounting lugs to simplify mounting.

Standard Materials

- Enclosure and cover: copperfree (4/10 of 1% max) aluminum
- Cover bolts and fasteners: stainless steel

Standard Finishes

- Gray baked epoxy

Options and Accessories

- Breather and drain, add suffix **-B**.
- Ferrous alloy, add suffix **-F**.
- Mounting pan, add suffix **-P**.
- Quad lead cover bolts, add suffix **-QB**.
- Right hand hinge, add suffix **-RH**.
- Enclosure Type 4X, add suffix **-4X**.
- For custom terminal blocks, windows and operator controls, contact your local representative.

Certifications and Compliances

- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 013017

Related Products


- For control panels, see *Distribution Equipment* section.



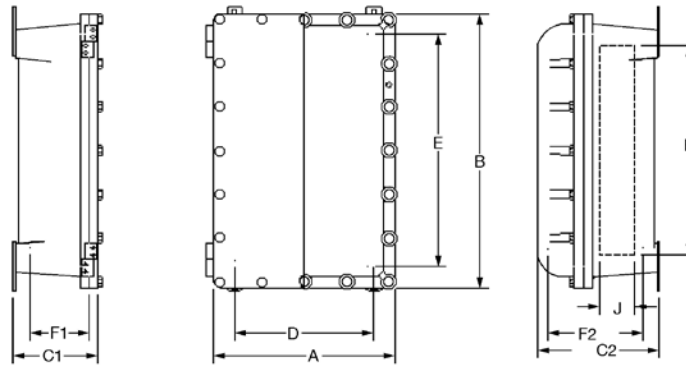
XP Series Junction Boxes

CSA Certification Only. Explosionproof, Dust-Ignitionproof

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIC, IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 CSA Enclosure Type 3R
 EMR Canada

	Enclosure Type	Inside in Inches/Millimeters			Aluminum Weight Lb/Kg	Catalog Number
		W	L	H		
	XPA	20.00/508	12.01/305	5.00/127	79/36	XP201205
	XPA	20.00/508	12.01/305	7.99/203	93/42	XP201208
	XPB	28.00/711	12.01/305	5.00/127	97/44	XP281205
	XPB	28.00/711	12.01/305	7.99/203	119/54	XP281208
	XPC	36.97/939	12.01/305	5.00/127	148/67	XP371205
	XPC	36.97/939	12.01/305	7.99/203	176/80	XP371208
	XPE	42.01/1067	15.98/406	5.00/127	227/103	XP421605

Dimensions in Inches/Millimeters



Size	Enclosure						Conduit Area Flat Surface		H	J
	Outside			Inside			F1	F2		
XPA	A	B	C1	C2	D	E	F1	F2		
XPA	15.5/400	23.5/600	7.62/190	10.5/270	11.81/300	10.63/270	5.12/130	7.87/200	18.11/460	2.99/76
XPB	15.5/400	31.5/800	7.62/190	10.5/270	11.81/300	27.95/710	5.12/130	7.87/200	25.98/660	2.99/76
XPC	15.5/400	40.5/1030	7.62/190	10.5/270	11.81/300	37.01/940	5.12/130	7.87/200	35.04/890	2.99/76
XPE	19.5/500	45.5/1150	7.62/190	—	16.14/410	42.13/1070	5.12/130	—	40.16/1020	2.99/76

CSA Certification Only.

XP Series Junction Box Drilling and Tapping

CSA Certification Only. Explosionproof, Dust-Ignitionproof

Class I, Division 1 and 2, Groups B, C, D
 Class I, Zone 1 and 2, Groups IIC, IIB + H₂
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 CSA Enclosure Type 3R
 EMR Canada

Instructions for conduit entries

To specify your drilling and tapping requirements for the junction boxes:

1. Choose the letter to indicate the size of desired conduit entry (Table 1).
2. Select the number to specify the location of conduit opening (Table 2).
3. Add the combined letter and number to the end of the junction box catalog number: Example: XP201208-C6-D8-A18.

Notes:

1. Be sure to indicate the spacing requirements, otherwise holes will be centred and evenly spaced.
2. Specific conduit openings must be located from the box centerline and from outside mounting surface of the box to the conduit centerline.

Table 1 – Drilling and Tapping for Conduit

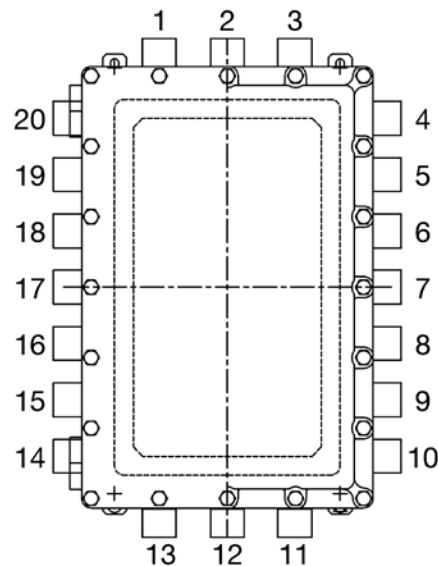
Outlet Code	Conduit Size (In)	Minimum Spacing for Conduit Centres in Inches/Millimeters									
		4	3-1/2	3	2-1/2	2	1-1/2	1-1/4	1	3/4	1/2
A	1/2	4.50/114.3	4.25/108.0	4.00/101.6	3.63/92.1	3.13/79.4	2.81/71.4	2.63/66.7	2.25/57.2	2.13/54.0	2.13/54.0
B	3/4	4.50/114.3	4.25/108.0	4.00/101.6	3.63/92.2	3.13/79.4	2.81/71.4	2.63/66.7	2.25/57.2	2.13/54.0	
C	1	4.88/123.8	4.50/114.3	4.13/104.8	3.75/95.3	3.25/82.6	3.00/76.2	2.81/71.4	2.38/60.3		
D	1-1/4	5.00/127.0	4.75/120.7	4.50/114.3	4.13/104.8	3.63/92.2	3.31/84.1	3.13/79.4			
E	1-1/2	5.25/133.4	4.94/125.4	4.63/117.5	4.31/109.5	3.81/96.8	3.25/82.6				
F	2	5.75/146.1	5.38/136.5	5.00/127.0	4.63/117.5	4.13/104.8					
G	2-1/2	6.13/155.6	5.75/146.1	5.31/134.9	5.13/130.2						
H	3	6.25/158.8	6.0/152.4	5.75/146.1							

Conduit Size (Inches)	Number of threads per inch	Min. Wall Thickness for 5 thread engagement in Inches/Millimeters
1/2 and 3/4	14	0.375/9.525
1 - 2	11-1/2	0.4375/11.1125
2-1/2 - 4	8	0.625/15.875

Conduit Entry Limitations

Maximum Conduit Size	
Ends	3" NPT
Sides	2" NPT

Table 2 – Spacing and Location of Conduit Entries



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS JUNCTION BOXES

 CSA Certification Only.

W Series Cast Junction Box Options

Boxes Available for Raintight, Watertight, or Submersible Applications

This table shows the optional items available on the different types of enclosures shown in this section. When not furnished as standard equipment the cost must be added to the base price of the box.

Lettering on Covers can be furnished. These are usually engraved letters and can be applied to the cover of any type box.

✓ – 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.

* See ordering details on Options and Ordering Information pages.

Options *	Type of Enclosure										
	WYS	WYL	WYF	WYW	WYU	WYR	WYT	WY58E	WYC	WYNY	
Slip Holes	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Drill & Tap Holes	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Bosses Only	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Drilled & Tapped Boss	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Mtg. Lugs	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Mtg. Buttons	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Mtg. Plates*	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA	
Hinges	NA	NA	NA	S	✓	NA	NA	NA	S	NA	
Drain & Breather	✓	✓	✓	✓	✓	NA	NA	NA	NA	NA	
Hasp (for padlock)	NA	NA	NA	✓	✓	NA	NA	NA	NA	NA	

The following information should be given on all box orders:

Catalog Number and Inside Dimensions — (L x W x D) should be specified.

Sketch — Show size and location of conduit entrances in sketch similar to Drilling Template, Fig. 2. Tables on following pages 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.

Slip Holes — These are clearance holes for conduit. No threads 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 — These are threaded holes provided in the enclosure wall into which the conduit is screwed. To meet UL requirements, they must conform to the following:

- 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 not be less than 3-1/2 threads in the metal.
- Compare the wall thickness shown in the listing of these enclosures with the chart at right to determine the number of threads which the box wall will provide for the various conduit

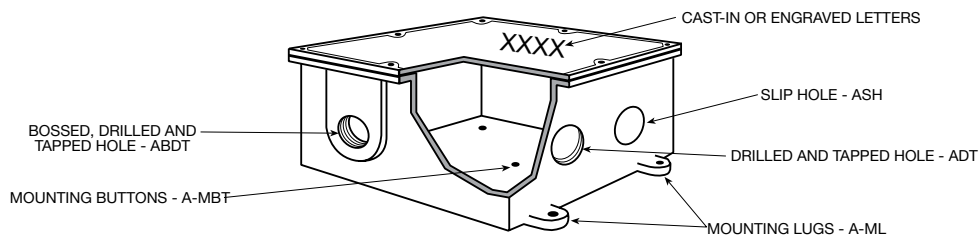
sizes. If more threads are required, please order a Bossed, Drilled and Tapped hole.

Bossed Drilled and Tapped Holes — These are holes threaded through 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 additional thread engagement (5 threads standard).

Mounting Lugs — Provided on all surface mounted boxes over 100 in³ / 1.6dm³ of internal volume to meet NEC Section 314.23(E). Boxes 100 in³ / 1.6dm³ or less may be supported by two or more conduits threaded into the enclosure, or by optional mounting lugs. All mounting lugs will be located on the long sides of the box, unless otherwise specified. Refer to following pages for dimensional data.

Mounting Buttons — For mounting equipment off the back of the box; can be furnished located on standard centers and blind D and T for 1/4" - 20 screws. If special mounting button arrangement is required, furnish a sketch showing layout including the size of the mounting screws. Please use the drilling template provided on following pages.

Covers — Other than standard, must be specified if required.



Wall Thickness and Maximum Conduit Size

Conduit Size Inches	Number of Threads Per Inch	Wall Thickness Required in/mm	
		3-12 Threads	5 Threads
3/8	18	0.88/22.2 ‡	0.28/7.1
1/2 to 3/4	14	0.25/6.4	0.38/9.5
1 to 2	11-1/2	0.31/7.9	0.44/11.1
2-1/2 to 4	8	0.44/11.1	0.63/15.9

‡ 1/4" minimum wall thickness must be provided.

W Series Cast Junction Box Options

Boxes Available for Raintight, Watertight, or Submersible Applications

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Drilling and Tapping

Applies to: Types WYS, WYL, WYF, WYW-T, WYT, WYC, WYU, WYR.

Conduit Size Inches	Catalog Number			
	Drilling Only Slip Hole	Drilling & Tapping No Boss	Boss Only 5 Threads without Hole	Boss for 4 Threads and Tapping
3/8	ASH-38	ADT-38	ABWH-38	ABDT-38
1/2	ASH-50	ADT-50	ABWH-50	ABDT-50
3/4	ASH-75	ADT-75	ABWH-75	ABDT-75
1	ASH-100	ADT-100	ABWH-100	ABDT-100
1-1/4	ASH-125	ADT-125	ABWH-125	ABDT-125
1-1/2	ASH-150	ADT-150	ABWH-150	ABDT-150
2	ASH-200	ADT-200	ABWH-200	ABDT-200
2-1/2	ASH-250	ADT-250	ABWH-250	ABDT-250
3	ASH-300	ADT-300	ABWH-300	ABDT-300
3-1/2	ASH-350	ADT-350	ABWH-350	ABDT-350
4	ASH-400	ADT-400	ABWH-400	ABDT-400
4-1/2	ASH-450	ADT-450	ABWH-450	ABDT-450
5	ASH-500	ADT-500	ABWH-500	ABDT-500
6	ASH-600	ADT-600	ABWH-600	ABDT-600

Combination Drain and Breather Fittings

D and T and installation included.

Size (Inches)	Catalog Number
3/8	AMDB-38
1/2	AMDB-50

Interior Mounting Buttons

Quantity Per Box	Catalog Number
1	A1-MBT
2	A2-MBT
3	A3-MBT
4	A4-MBT

Grounding Kits

Wire Capacity Al-Cu Tinned Copper	Catalog Number
#14-4 AWG	AGK-04
8-1/0 AWG	AGK-10
6 AWG-250kcmil	AGK-25

Hinges

Type	Box Size in Inches/Millimeters	Number of Hinges Per Set	Catalog Number
Stainless Steel	Up to 12 x 12/304.8 x 304.8	2	AHNG-22SS
Butt Type	Up to 18 x 18/457.2 x 457.2	2	AHNG-23SS
For WYU Boxes	Larger than 18 x 18/457.2 x 457.2	3	AHNG-33SS

Hasps

Hot dip galvanized steel (lock not Included).

Box Size in Inches/Millimeters	Catalog Number
Up to 12" x 12" / 304.8 x 304.8	AHSP-13SG
Larger than 12" x 12" / 304.8 x 304.8	AHSP-15SG

Letters Engraved on Box Covers

Description	Catalog Number	
	Engraved	Raised
Up to 10 letters, one line	AENGRAVE-1	ARAISED-1
Up to 20 letters, two lines	AENGRAVE-2	ARAISED-2

Optional Mounting Lugs with Bolt Holes†

Maximum Box Size — L x W in in/mm	No. of Lugs	Catalog Number
Sizes up to 6" x 4" / 152.4 x 101.6	2	A2-ML-0604
	4	A4-ML-0604
Sizes 6" x 6" to 12" x 4" / 152.4 x 152.4 up to 304.8 x 101.6	2	A2-ML-1204
	4	A4-ML-1204
Sizes 12" x 6" up to 18" x 16" / 304.8 x 152.4 up to 457.2 x 406.4	2	A2-ML-1816
	4	A4-ML-1816
Sizes 18" x 18" and larger / 457.2 x 457.2 and larger	4	A4-ML-3636

† Mounting lugs are standard equipment on surface mounted boxes over 100 in³/1.6 dm³ of internal volume at no additional charge.

W 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 2.13"/54.1mm.

Space Between Centers of Conduit Inches/Millimeters

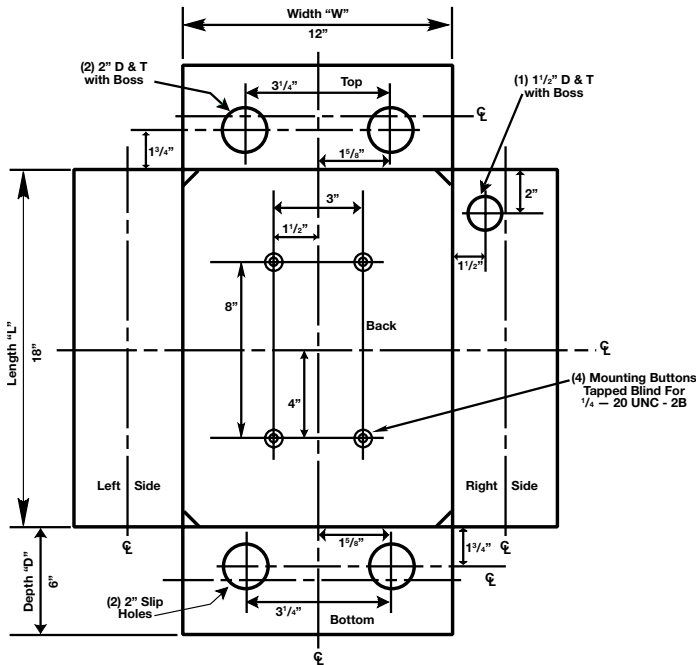
Size of Conduit	4	3-1/2	3	2-1/2	2	1-1/2	1-1/4	1	3/4	1/2
1/2	3.63/ 92.2	3.38/ 85.9	3.00/ 76.2	2.63/ 66.8	2.38/ 60.5	2.00/ 50.8	1.88/ 47.8	1.75/ 44.5	1.63/ 41.4	1.50/ 38.1
3/4	3.75/ 95.3	3.50/ 88.9	3.13/ 79.5	2.75/ 69.9	2.50/ 63.5	2.13/ 54.1	2.00/ 50.8	1.88/ 47.8	1.75/ 44.5	
1	4.00/ 101.6	3.63/ 92.2	3.25/ 82.6	3.00/ 76.2	2.63/ 66.8	2.38/ 60.5	2.25/ 57.2	2.00/ 50.8		
1-1/4	4.13/ 104.9	3.88/ 98.6	3.50/ 88.9	3.13/ 79.5	2.88/ 73.2	2.50/ 63.5	2.38/ 60.5			
1-1/2	4.25/ 108.0	4.00/ 101.6	3.63/ 92.2	3.25/ 82.6	3.00/ 76.2	2.63/ 66.8				
2	4.63/ 117.6	4.25/ 108.0	3.88/ 98.6	3.63/ 92.2	3.25/ 82.6					
2-1/2	4.88/ 124.0	4.63/ 117.6	4.25/ 108.0	3.88/ 98.6						
3	5.38/ 136.7	5.00/ 101.6	4.63/ 117.6							
3-1/2	5.63/ 143.0	5.25/ 133.4								
4	5.88/ 149.4									
Locknut Diameter	1.13/ 28.7	1.38/ 35.1	1.75/ 44.5	2.25/ 57.2	2.56/ 65.0	3.19/ 81.0	3.50/ 88.9	4.19/ 106.4	4.75/ 120.7	5.38/ 136.7
BBU Bushing Diameter	1.06/ 26.9	1.31/ 33.3	1.56/ 39.6	1.94/ 49.3	2.19/ 55.6	2.69/ 68.3	3.19/ 81.0	3.88/ 98.6	4.38/ 111.3	4.88/ 124.0
BU Bushing Diameter	1.13/ 28.7	1.25/ 31.8	1.63/ 41.4	2.06/ 52.3	2.31/ 58.7	2.94/ 74.7	3.25/ 82.3	3.88/ 98.6	4.56/ 115.8	5.06/ 128.5
UNY/UNF® Union	1.50/ 38.1	1.75/ 44.5	2.00/ 50.8	2.81/ 71.4	3.06/ 77.7	3.75/ 95.3	4.94/ 125.5	5.44/ 138.2	5.94/ 150.9	6.50/ 165.1
Conduit Diameter	0.88/ 22.4	1.06/ 26.9	1.38/ 35.1	1.69/ 42.9	1.94/ 49.3	2.38/ 60.5	2.88/ 73.2	3.50/ 88.9	4.00/ 101.6	4.50/ 114.3

W Series Cast Junction Box Ordering Information

Boxes Available for Raintight, Watertight, or Submersible Applications

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Figure 2

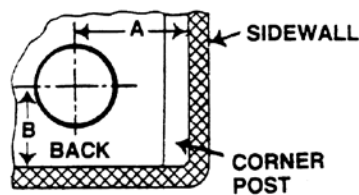


Drilling template on page following page can be copied and used to transmit information regarding conduit entries, mounting lugs, mounting plates, or any other options or specifications. The view is looking into the box with sides laid down. Doors are hinged on the right side, when required, which is the length, when no other instructions are given. Unless otherwise specified, all openings will be located in centerline of walls and evenly spaced.

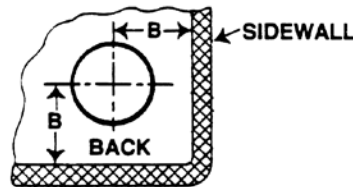
When optional Mounting Buttons are ordered, dimensions for spacing MUST be given, otherwise will be spaced per our discretion.

Minimum Allowable Spacing from Back and Sides

Allowance made for clearance over locknuts and bushings.



Types WYS, WYL,
WYW, WYT and WYC



Types WYF, WYR,
WYU and WY58E

Conduit Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
Dimension A in/mm	1.25/ 31.8	1.38/ 35.1	1.63/ 41.4	1.88/ 47.8	2.00/ 50.8	2.38/ 60.5	2.63/ 66.8	3.00/ 76.2	3.25/ 82.6	3.63/ 92.2
Dimension B in/mm	1.00/ 25.4	1.00/ 25.4	1.13/ 28.7	1.38/ 35.1	1.50/ 38.1	1.75/ 44.5	2.13/ 54.1	2.50/ 63.5	2.88/ 73.2	3.13/ 79.5

W Series Cast Junction Box Drilling Template

Boxes Available for Raintight, Watertight, or Submersible Applications

For copier reproduction or computer scanning. Please send to your local representative for quotation or order confirmation.

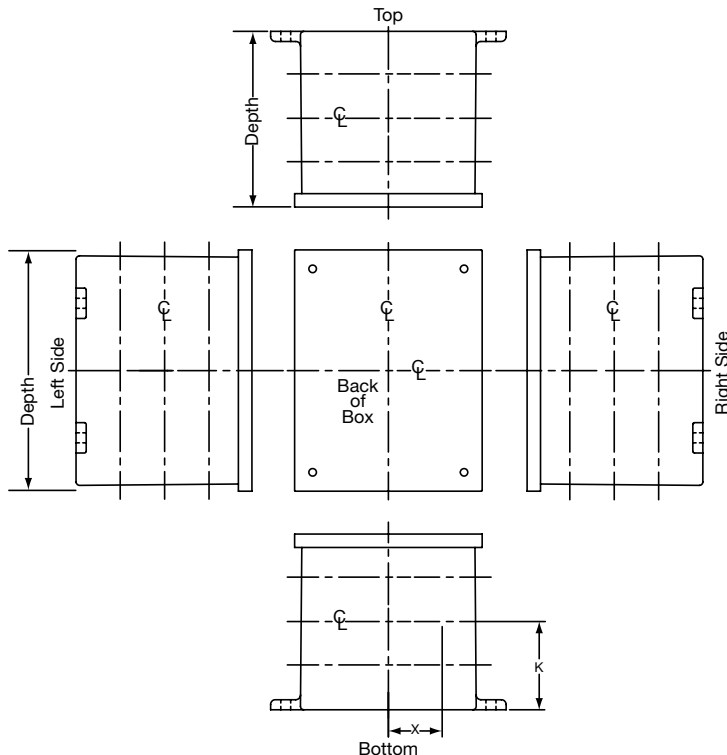
Company Name	_____	Distributor	_____
Shipping Address	_____	Purchase Order No.	_____
Print Name	_____	Purchase Order Date	_____
Account Number	_____	Internal Order No.	_____
Part Number	_____	Mark Box	_____
Quantity	_____	Drawing No.	_____
Req No.	_____	Customer Signature	_____
Additional Specifications	_____		

Gasket Data	Yes	No	Drilling Data *	Yes	No	Mounting Lug Data	Yes	No
Neoprene	<input type="checkbox"/>	<input type="checkbox"/>	Slip-Hole Only	<input type="checkbox"/>	<input type="checkbox"/>	Required	<input type="checkbox"/>	<input type="checkbox"/>
			Drilled and Tapped	<input type="checkbox"/>	<input type="checkbox"/>	Standard Spacing	<input type="checkbox"/>	<input type="checkbox"/>
			Drilled and Tapped with Boss	<input type="checkbox"/>	<input type="checkbox"/>	Special Spacing: Locate on Template	<input type="checkbox"/>	<input type="checkbox"/>
			Boss Only	<input type="checkbox"/>	<input type="checkbox"/>	Boss Only	<input type="checkbox"/>	<input type="checkbox"/>

*If X and K dimensions are not indicated, factory will locate.
 Dim X = Distance from centerline to center of conduit opening.
 Dim K = Distance from mounting surface to center of conduit opening.
 Check which type of entry is required: bossed drill and tap or slip hole.*

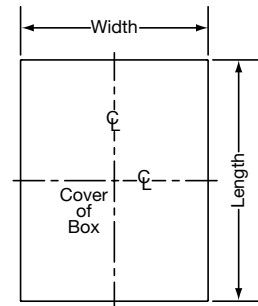
Looking into Box — Sides Laid Down

All dimensions are from INSIDE of box.



Looking Cover

All dimensions are from INSIDE of box.



ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

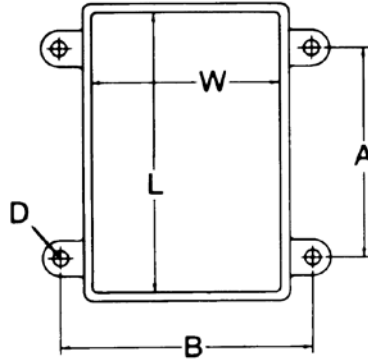
W Series Cast Box Mounting Lug Data

Boxes Available for Raintight, Watertight, or Submersible Applications

For Cast Iron and Cast Aluminum Boxes.

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes



The dimensions listed in these tables are approximate and may vary as much as 0.25"/6.4 mm in any direction. If closer tolerances are required or if other locations of the mounting lugs are desired, specify on the order or drawing.

Types WYS, WYL, WYW, WYU, and WYW-T

Box Size in Inches/Millimeters			Dimension in Inches/Millimeters		Bolt Hole Diameter in/mm
L	x	W	A	B	D
4.00/101.6	x	4.00/101.6	3.00/76.2	5.38/136.7	0.31/7.9
5.00/127.0	x	5.00/127.0	4.00/101.6	6.50/165.1	0.31/7.9
6.00/152.4	x	4.00/101.6	5.00/127.0	5.38/136.7	0.31/7.9
6.00/152.4	x	6.00/152.4	4.00/101.6	7.63/193.8	0.38/9.7
7.00/177.8	x	5.00/127.0	5.00/127.0	6.50/165.1	0.38/9.7
8.00/203.2	x	4.00/101.6	5.00/127.0	5.63/143.0	0.38/9.7
8.00/203.2	x	6.00/152.4	5.00/127.0	7.63/193.8	0.38/9.7
8.00/203.2	x	8.00/203.2	5.00/127.0	9.75/247.7	0.38/9.7
9.00/228.6	x	6.00/152.4	6.00/152.4	7.63/193.8	0.38/9.7
10.00/254.0	x	4.00/101.6	7.00/177.8	5.63/143.0	0.38/9.7
10.00/254.0	x	5.00/127.0	7.00/177.8	6.63/168.4	0.38/9.7
10.00/254.0	x	6.00/152.4	7.00/177.8	7.75/196.9	0.38/9.7
10.00/254.0	x	8.00/203.2	7.00/177.8	9.75/247.7	0.38/9.7
10.00/254.0	x	10.00/254.0	7.00/177.8	11.75/298.5	0.38/9.7
12.00/304.8	x	4.00/101.6	8.00/203.2	5.63/143.0	0.38/9.7
12.00/304.8	x	6.00/152.4	8.00/203.2	8.50/215.9	0.44/11.2
12.00/304.8	x	8.00/203.2	8.00/203.2	10.50/266.7	0.44/11.2
12.00/304.8	x	10.00/254.0	8.00/203.2	12.50/317.5	0.44/11.2
12.00/304.8	x	12.00/304.8	8.00/203.2	14.50/368.3	0.44/11.2
14.00/355.6	x	8.00/203.2	10.00/254.0	10.50/266.7	0.44/11.2
14.00/355.6	x	10.00/254.0	10.00/254.0	12.50/317.5	0.44/11.2
14.00/355.6	x	14.00/355.6	10.00/254.0	16.50/419.1	0.44/11.2
15.00/381.0	x	6.00/152.4	11.00/279.4	8.38/212.9	0.44/11.2
15.00/381.0	x	8.00/203.2	11.00/279.4	10.63/270.0	0.44/11.2
15.00/381.0	x	9.00/228.6	11.00/279.4	11.50/292.1	0.44/11.2
15.00/381.0	x	10.00/254.0	11.00/279.4	12.50/317.5	0.44/11.2
16.00/406.4	x	4.00/101.6	12.00/304.8	6.50/165.1	0.44/11.2
16.00/406.4	x	10.00/254.0	12.00/304.8	12.50/317.5	0.44/11.2

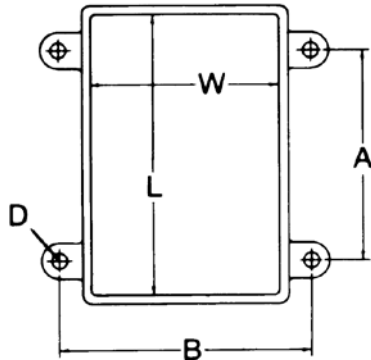
Types WYS, WYL, WYW, WYU, and WYW-T

Box Size in Inches/Millimeters			Dimension in Inches/Millimeters		Bolt Hole Diameter in/mm
L	x	W	A	B	D
16.00/406.4	x	12.00/304.8	12.00/304.8	14.50/368.3	0.44/11.2
16.00/406.4	x	16.00/406.4	12.00/304.8	18.50/469.9	0.44/11.2
18.00/457.2	x	6.00/152.4	13.00/330.2	8.50/215.9	0.44/11.2
18.00/457.2	x	8.00/203.2	13.00/330.2	10.50/266.7	0.44/11.2
18.00/457.2	x	12.00/304.8	13.00/330.2	14.50/368.3	0.44/11.2
18.00/457.2	x	14.00/355.6	13.00/330.2	16.63/422.4	0.44/11.2
18.00/457.2	x	16.00/406.4	13.00/330.2	18.63/473.2	0.44/11.2
18.00/457.2	x	18.00/457.2	13.00/330.2	20.88/530.4	0.56/14.2
20.00/508.0	x	10.00/254.0	15.00/381.0	12.63/320.8	0.56/14.2
20.00/508.0	x	20.00/508.0	15.00/381.0	22.63/574.8	0.56/14.2
24.00/609.6	x	8.00/203.2	19.00/482.6	10.75/273.1	0.28/7.1
24.00/609.6	x	12.00/304.8	19.00/482.6	14.75/374.7	0.28/7.1
24.00/609.6	x	16.00/406.4	19.00/482.6	18.75/476.3	0.28/7.1
24.00/609.6	x	18.00/457.2	19.00/482.6	20.75/527.1	0.28/7.1
24.00/609.6	x	20.00/508.0	19.00/482.6	22.75/577.9	0.56/14.2
24.00/609.6	x	24.00/609.6	19.00/482.6	26.88/682.8	0.56/14.2
28.00/711.2	x	12.00/304.8	22.00/558.8	14.88/378.0	0.56/14.2
30.00/762.0	x	8.00/203.2	24.00/609.6	10.75/273.1	0.56/14.2
30.00/762.0	x	18.00/457.2	24.00/609.6	21.00/533.4	0.56/14.2
30.00/762.0	x	24.00/609.6	24.00/609.6	14.88/378.0	0.56/14.2
34.00/863.6	x	30.00/762.0	28.00/711.2	32.88/835.2	0.56/14.2
36.00/914.4	x	6.00/152.4	30.00/762.0	8.63/219.2	0.56/14.2
36.00/914.4	x	12.00/304.8	30.00/762.0	14.88/378.0	0.56/14.2
36.00/914.4	x	18.00/457.2	30.00/762.0	21.00/533.4	0.56/14.2
36.00/914.4	x	24.00/609.6	30.00/762.0	26.88/682.8	0.56/14.2
36.00/914.4	x	30.00/762.0	30.00/762.0	32.88/835.2	0.56/14.2
36.00/914.4	x	36.00/914.4	30.00/762.0	38.88/987.6	0.56/14.2
48.00/1219.2	x	6.00/152.4	42.00/1066.8	8.63/219.2	0.56/14.2

W Series Cast Box Mounting Lug Data

Boxes Available for Raintight, Watertight, or Submersible Applications

For Cast Iron and Cast Aluminum Boxes.



The dimensions listed in these tables are approximate and may vary as much as 0.25"/6.4 mm in any direction. If closer tolerances are required or if other locations of the mounting lugs are desired, specify on the order or drawing.

Types WYF and WYR

Box Size in Inches/Millimeters			Dimension in Inches/Millimeters		Bolt Hole Diameter in in/mm
L	x	W	A	B	D
4.00/101.6	x	4.00/101.6	3.00/76.2	5.38/136.7	0.31/7.9
5.00/127.0	x	5.00/127.0	4.00/101.6	6.38/162.1	0.31/7.9
6.00/152.4	x	4.00/101.6	5.00/127.0	5.38/136.7	0.31/7.9
6.00/152.4	x	6.00/152.4	4.00/101.6	7.50/190.5	0.38/9.7
8.00/203.2	x	4.00/101.6	5.00/127.0	5.50/139.7	0.38/9.7
8.00/203.2	x	6.00/152.4	5.00/127.0	7.63/193.8	0.38/9.7
8.00/203.2	x	8.00/203.2	5.00/127.0	9.63/244.6	0.38/9.7
10.00/254.0	x	6.00/152.4	7.00/177.8	7.63/193.8	0.38/9.7
10.00/254.0	x	8.00/203.2	7.00/177.8	9.75/247.7	0.38/9.7
10.00/254.0	x	10.00/254.0	7.00/177.8	11.63/295.4	0.38/9.7
12.00/304.8	x	4.00/101.6	8.00/203.2	5.63/143.0	0.38/9.7
12.00/304.8	x	6.00/152.4	8.00/203.2	8.38/212.9	0.44/11.2
12.00/304.8	x	8.00/203.2	8.00/203.2	10.38/263.7	0.44/11.2
12.00/304.8	x	10.00/254.0	8.00/203.2	12.38/314.5	0.44/11.2
12.00/304.8	x	12.00/304.8	8.00/203.2	14.38/365.3	0.44/11.2
14.00/355.6	x	8.00/203.2	10.00/254.0	10.38/263.7	0.44/11.2
14.00/355.6	x	14.00/355.6	10.00/254.0	16.50/419.1	0.44/11.2
16.00/406.4	x	12.00/304.8	12.00/304.8	14.50/368.3	0.44/11.2
16.00/406.4	x	16.00/406.4	12.00/304.8	18.50/469.9	0.44/11.2
18.00/457.2	x	6.00/152.4	13.00/330.2	8.50/215.9	0.44/11.2
18.00/457.2	x	8.00/203.2	13.00/330.2	10.50/266.7	0.44/11.2
18.00/457.2	x	12.00/304.8	13.00/330.2	14.38/365.3	0.44/11.2
18.00/457.2	x	18.00/457.2	13.00/330.2	20.63/524.0	0.56/14.2
24.00/609.6	x	12.00/304.8	19.00/482.6	14.63/371.6	0.56/14.2
24.00/609.6	x	18.00/457.2	19.00/482.6	20.63/524.0	0.56/14.2
24.00/609.6	x	24.00/609.6	19.00/482.6	26.88/682.8	0.56/14.2
28.00/711.2	x	12.00/304.8	22.00/558.8	14.75/374.7	0.56/14.2
30.00/762.0	x	24.00/609.6	24.00/609.6	26.88/682.8	0.56/14.2
36.00/914.4	x	18.00/457.2	30.00/762.0	20.88/530.4	0.56/14.2
36.00/914.4	x	24.00/609.6	30.00/762.0	26.88/682.8	0.56/14.2
36.00/914.4	x	36.00/914.4	30.00/762.0	38.88/987.6	0.56/14.2

W Series Junction Box Mounting Plate Information

Boxes Available for Raintight, Watertight, or Submersible Applications

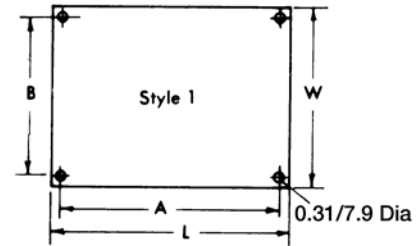
For Cast Iron and Cast Aluminum Boxes.

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 0.13"/3.3mm thick hot dip galvanized material. Aluminum plates are 0.13"/3.3 mm thick material up to and including 12 x 12" / 304.8 x 304.8 mm size. All larger sizes are constructed of 0.19"/4.8mm 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 **WYS-080804**
Line 2 **WYM-0808-2**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **WYF-040403** box would be **WYM-0404-1**. Pricing will be based upon a **WYM-0808-1** price.



The catalog numbers shown in the table below include the mounting buttons.

Inside Length & Width of Junction Box in in/mm	Catalog Number – Steel Plates		Catalog Number – Aluminum Plates		Style	Dimension in Inches/Millimeters			
	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes		L	W	A	B
8 x 8/ 203.2 x 203.2	WYM-0808-1	WYM-0808-2	WYM-0808-1A	WYM-0808-2A	1	6.75/ 171.5	6.75/ 171.5	6.00/ 152.4	6.00/ 152.4
						6.00/ 152.4	6.00/ 152.4	5.25/ 133.4	5.25/ 133.4
10 x 8/ 254.0 x 203.2	WYM-1008-1	WYM-1008-2	WYM-1008-1A	WYM-1008-2A	1	8.75/ 222.3	6.75/ 171.5	8.00/ 203.2	8.00/ 203.2
						8.00/ 203.2	6.00/ 152.4	7.25/ 184.2	5.25/ 133.4
10 x 10/ 254.0 x 254.0	WYM-1010-1	WYM-1010-2	WYM-1010-1A	WYM-1010-2A	1	8.75/ 222.3	8.75/ 222.3	8.00/ 203.2	8.00/ 203.2
						8.00/ 203.2	8.00/ 203.2	7.25/ 184.2	7.25/ 184.2
12 x 8/ 304.8 x 203.2	WYM-1208-1	WYM-1208-2	WYM-1208-1A	WYM-1208-2A	1	10.75/ 273.1	6.75/ 171.5	10.00/ 254.0	6.00/ 152.4
						10.00/ 254.0	6.00/ 152.4	9.25/ 235.0	5.25/ 133.4
12 x 10/ 304.8 x 254.0	WYM-1210-1	WYM-1210-2	WYM-1210-1A	WYM-1210-2A	1	10.75/ 273.1	8.75/ 222.3	10.00/ 254.0	8.00/ 203.2
						10.00/ 254.0	8.00/ 203.2	9.25/ 235.0	5.25/ 133.4
12 x 12/ 304.8 x 304.8	WYM-1212-1	WYM-1212-2	WYM-1212-1A	WYM-1212-2A	1	10.75/ 273.1	10.75/ 273.1	10.00/ 254.0	10.00/ 254.0
						10.00/ 254.0	10.00/ 254.0	9.25/ 235.0	9.25/ 235.0
14 x 8 355.6 x 203.2	WYM-1408-1	WYM-1408-2	WYM-1408-1A	WYM-1408-2A	1	12.75/ 323.9	6.75/ 171.5	12.00/ 304.8	6.00/ 152.4
						12.00/ 304.8	6.00/ 152.4	11.25/ 285.5	5.25/ 133.4
14 x 14/ 355.6 x 355.6	WYM-1414-1	WYM-1414-2	WYM-1414-1A	WYM-1414-2A	1	12.75/ 323.9	12.75/ 323.9	12.00/ 304.8	12.00/ 304.8
						12.00/ 304.8	12.00/ 304.8	11.25/ 285.5	11.25/ 285.5
16 x 8/ 406.4 x 203.2	WYM-1608-1	WYM-1608-2	WYM-1608-1A	WYM-1608-2A	1	14.75/ 374.7	6.75/ 171.5	14.00/ 355.6	6.00/ 152.4
						12.00/ 304.8	6.00/ 152.4	11.25/ 285.5	5.25/ 133.4

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

W Series Junction Box Mounting Plate Information

Boxes Available for Raintight, Watertight, or Submersible Applications

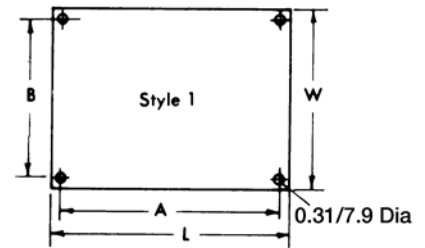
For Cast Iron and Cast Aluminum Boxes. Continued from preceding page.

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 0.13"/3.3mm thick hot dip galvanized material. Aluminum plates are 0.13"/3.3 mm thick material up to and including 12 x 12" / 304.8 x 304.8 mm size. All larger sizes are constructed of 0.19"/4.8mm 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 **WYS-080804**
Line 2 **WYM-0808-2**

For mounting plates in smaller boxes than listed, use similar catalog number logic. Example: A steel mounting plate for a **WYF-040403** box would be **WYM-0404-1**. Pricing will be based upon a **WYM-0808-1** price.



The catalog numbers shown in the table below include the mounting buttons.

Inside Length & Width of Junction Box in in/mm	Catalog Number – Steel Plates		Catalog Number – Aluminum Plates		Style	Dimension in Inches/Millimeters			
	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes		L	W	A	B
16 x 12/ 406.4 x 304.8	WYM-1612-1	WYM-1612-2	WYM-1612-1A	WYM-1612-2A	1	14.75/ 374.7	10.75/ 273.1	14.00/ 355.6	10.00/ 254.0
						14.00/ 355.6	10.00/ 254.0	13.25/ 336.6	9.25/ 235.0
16 x 16/ 406.4 x 406.4	WYM-1616-1	WYM-1616-2	WYM-1616-1A	WYM-1616-2A	1	14.75/ 374.7	14.75/ 374.7	14.00/ 355.6	14.00/ 355.6
						14.00/ 355.6	14.00/ 355.6	13.25/ 336.6	13.25/ 336.6
18 x 8/ 457.2 x 203.2	WYM-1808-1	WYM-1808-2	WYM-1808-1A	WYM-1808-2A	1	16.75/ 171.5	6.75/ 171.5	16.00/ 152.4	6.00/ 152.4
						16.00/ 152.4	6.00/ 152.4	15.25/ 133.4	5.25/ 133.4
18 x 10/ 457.2 x 254.0	WYM-1810-1	WYM-1810-2	WYM-1810-1A	WYM-1818-2A	1	16.75/ 171.5	8.75/ 222.3	16.00/ 152.4	8.00/ 203.2
						16.00/ 152.4	8.00/ 203.2	15.25/ 133.4	7.25/ 184.2
18 x 12/ 457.2 x 304.8	WYM-1812-1	WYM-1812-2	WYM-1812-1A	WYM-1812-2A	1	16.75/ 171.5	10.75/ 273.1	16.00/ 152.4	10.00/ 254.0
						16.00/ 152.4	10.00/ 254.0	15.25/ 133.4	9.25/ 235.0
18 x 14/ 457.2 x 355.6	WYM-1814-1	WYM-1814-2	WYM-1814-1A	WYM-1814-2A	1	16.75/ 171.5	12.75/ 323.9	16.00/ 152.4	12.00/ 304.8
						16.00/ 152.4	12.00/ 304.8	15.25/ 133.4	11.25/ 285.5
18 x 16/ 457.2 x 406.4	—	WYM-1816-2	—	WYM-1816-2A	1	16.00/ 152.4	14.00/ 355.6	15.25/ 133.4	13.25/ 336.6
18 x 18/ 457.2 x 457.2	WYM-1818-1	WYM-1818-2	WYM-1818-1A	WYM-1818-2A	1	16.75/ 171.5	16.75/ 171.5	16.00/ 152.4	16.00/ 152.4
						16.00/ 152.4	16.00/ 152.4	15.25/ 133.4	15.25/ 133.4
20 x 10/ 508.0 x 254.0	WYM-2010-1	WYM-2020-2	WYM-2010-1A	WYM-2020-2A	1	18.75/ 222.3	8.75/ 222.3	18.00/ 203.2	8.00/ 203.2
						18.00/ 203.2	8.00/ 203.2	17.25/ 184.2	7.25/ 184.2

W Series Junction Box Mounting Plate Information

Boxes Available for Raintight, Watertight, or Submersible Applications

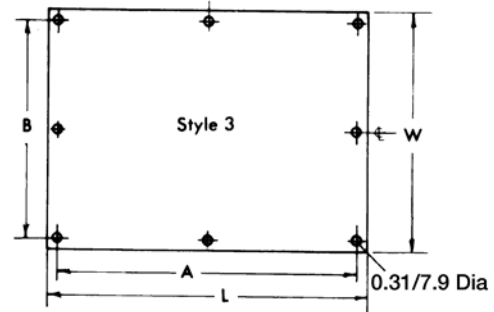
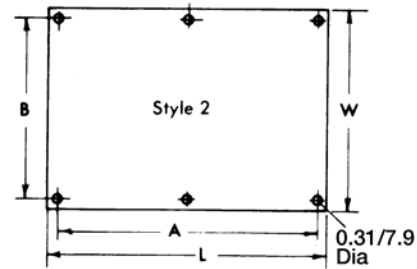
For Cast Iron and Cast Aluminum Boxes. Continued from preceding page.

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 0.13"/3.3mm thick hot dip galvanized material. Aluminum plates are 0.13"/3.3mm thick material up to and including 12 x 12" / 304.8 x 304.8 mm size. All larger sizes are constructed of 0.19"/4.8mm 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:
WYS-080804 WYM-0808-2

The catalog numbers shown in the table below include the mounting buttons.



ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

Inside Length & Width of Junction Box in in/mm	Catalog Number – Steel Plates		Catalog Number – Aluminum Plates		Style	Dimension in Inches/Millimeters			
	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes	For use in Types WYF & WYR Junction Boxes	For use in Types WYS, WYL & WYW Junction Boxes		L	W	A	B
24.00 x 12.00/ 609.6 x 304.8	WYM-2412-1	WYM-2412-1	WYM-2412-1A	WYM-2412-1A	2	21.75/ 552.5	9.75/ 247.7	21.00/ 533.4	9.00/ 228.6
24.00 x 18.00/ 609.6 x 457.2	WYM-2418-1	WYM-2418-1	WYM-2418-1A	WYM-2418-1A	2	21.75/ 552.5	15.75/ 400.1	21.00/ 533.4	15.00/ 381.0
24.00 x 24.00/ 609.6 x 609.6	WYM-2424-1	WYM-2424-1	WYM-2424-1A	WYM-2424-1A	3	21.75/ 552.5	21.75/ 552.5	21.00/ 533.4	21.00/ 533.4
28.00 x 12.00/ 711.2 x 304.8	WYM-2812-1	WYM-2812-1	WYM-2812-1A	WYM-2812-1A	2	25.75/ 654.1	9.75/ 247.7	25.00/ 635.0	9.00/ 228.6
30.00 x 12.00/ 762.0 x 304.8	WYM-3012-1	WYM-3012-1	WYM-3012-1A	WYM-3012-1A	2	27.75/ 704.9	9.75/ 247.7	27.00/ 685.8	9.00/ 228.6
30.00 x 18.00/ 762.0 x 457.2	WYM-3018-1	WYM-3018-1	WYM-3018-1A	WYM-3018-1A	2	27.75/ 704.9	15.75/ 400.1	27.00/ 685.8	15.00/ 381.0
30.00 x 24.00/ 762.0 x 609.6	WYM-3024-1	WYM-3024-1	WYM-3024-1A	WYM-3024-1A	3	27.75/ 704.9	21.75/ 552.5	27.00/ 685.8	21.00/ 533.4
36.00 x 12.00/ 914.4 x 304.8	WYM-3612-1	WYM-3612-1	WYM-3612-1A	WYM-3612-1A	2	33.75/ 857.3	9.75/ 247.7	33.00/ 838.2	9.00/ 228.6
36.00 x 18.00/ 914.4 x 457.2	WYM-3618-1	WYM-3618-1	WYM-3618-1A	WYM-3618-1A	2	33.75/ 857.3	15.75/ 400.1	33.00/ 838.2	15.00/ 381.0
36.00 x 24.00/ 914.4 x 609.6	WYM-3624-1	WYM-3624-1	WYM-3624-1A	WYM-3624-1A	3	33.75/ 857.3	21.75/ 552.5	33.00/ 838.2	21.00/ 533.4
36.00 x 30.00/ 914.4 x 762.0	WYM-3630-1	WYM-3630-1	WYM-3630-1A	WYM-3630-1A	3	33.75/ 857.3	27.75/ 704.9	33.00/ 838.2	27.00/ 685.8
36.00 x 36.00/ 914.4 x 914.4	WYM-3636-1	WYM-3636-1	WYM-3636-1A	WYM-3636-1A	3	33.75/ 857.3	33.75/ 857.3	33.00/ 838.2	33.00/ 838.2

WYS Type Unflanged Junction or Pull Boxes

W Series: Raintight, Watertight

Cast Iron or Aluminum Box For Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

Applications

- These boxes are general purpose enclosures suitable for use indoors or outdoors.

Features

- Mounting lugs are standard on boxes over 100 in³/1.6dm³ internal volume, and optional on boxes 100 in³/1.6dm³ or less. See *Options and Ordering Information* pages for additional information and ordering instructions.
- Type WYS 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, attached to cover.
- Suitable for a variety of applications.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.
- Choice of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

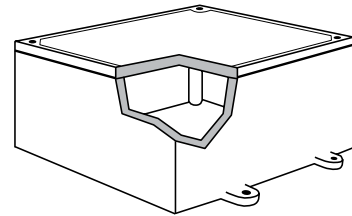
- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- For additional options see *Options and Ordering Information* pages.

Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472



† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYS Type Unflanged Junction or Pull Boxes

W Series: Raintight, Watertight

Cast Iron or Aluminum Box For Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

Iron Catalog Number	Approximate Wall Thickness *in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYS-040404 †	0.19/4.8	4.00/101.6	x	4.00/101.6	x	4.00/101.6
WYS-060404 †	0.19/4.8	6.00/152.4	x	4.00/101.6	x	4.00/101.6
WYS-060604	0.19/4.8	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYS-060606	0.25/6.4	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYS-080404	0.22/5.6	8.00/203.2	x	4.00/101.6	x	4.00/101.6
WYS-080604	0.22/5.6	8.00/203.2	x	6.00/152.4	x	4.00/101.6
WYS-080606	0.25/6.4	8.00/203.2	x	6.00/152.4	x	6.00/152.4
WYS-080804	0.22/5.6	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYS-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYS-080808	0.94/23.9	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYS-100604	0.22/5.6	10.00/254.0	x	6.00/152.4	x	4.00/101.6
WYS-100606	0.28/7.1	10.00/254.0	x	6.00/152.4	x	6.00/152.4
WYS-100806	0.28/7.1	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYS-101004	0.22/5.6	10.00/254.0	x	10.00/254.0	x	4.00/101.6
WYS-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYS-120804	0.22/5.6	12.00/304.8	x	8.00/203.2	x	4.00/101.6
WYS-120806	0.28/7.1	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYS-120808	0.94/23.9	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYS-121206	0.28/7.1	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYS-121208	0.94/23.9	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYS-121212	0.38/9.7	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYS-161208	0.94/23.9	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYS-180806	0.28/7.1	18.00/457.2	x	8.00/203.2	x	6.00/152.4
WYS-181206	0.28/7.1	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYS-181210	0.38/9.7	18.00/457.2	x	12.00/304.8	x	10.00/254.0
WYS-181806	0.94/23.9	18.00/457.2	x	18.00/457.2	x	6.00/152.4
WYS-181808	0.34/8.6	18.00/457.2	x	18.00/457.2	x	8.00/203.2
WYS-181812	0.44/11.2	18.00/457.2	x	18.00/457.2	x	12.00/304.8

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYL Type Overlapping Cover Boxes

W Series: Watertight, Raintight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

Applications

- These overlapping cover boxes are listed by Underwriters Laboratories, Inc. as Type 4 †.
- They are suitable for use outdoors, or where they would be subjected to rain, dripping or splashing of water.

Features

- Mounting lugs are standard on boxes over 100 in³/1.6dm³ internal volume, and optional on boxes 100 in³/1.6dm³ or less. See *Options and Ordering Information* pages for additional information and ordering instructions.
- Type WYL 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.
- Flat, neoprene gasket attached to cover.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.
- Choices of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

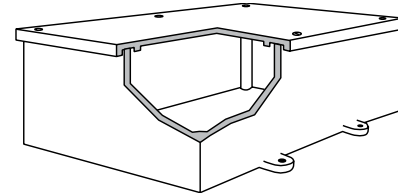
- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- For additional options see *Options and Ordering Information* pages.

Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472



† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYL Type Overlapping Cover Boxes

W Series: Watertight, Raintight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

Iron Catalog Number	Approximate Wall Thickness * in/mm	Inside Dimensions Inches/Millimeters				
		L	x	W	x	D
WYL-040404 †	0.19/4.8	4.00/101.6	x	4.00/101.6	x	4.00/101.6
WYL-060404 †	0.19/4.8	6.00/152.4	x	4.00/101.6	x	4.00/101.6
WYL-060604	0.19/4.8	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYL-060606	0.25/6.4	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYL-080404	0.22/5.6	8.00/203.2	x	4.00/101.6	x	4.00/101.6
WYL-080604	0.22/5.6	8.00/203.2	x	6.00/152.4	x	4.00/101.6
WYL-080606	0.25/6.4	8.00/203.2	x	6.00/152.4	x	6.00/152.4
WYL-080804	0.22/5.6	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYL-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYL-080808	0.31/7.9	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYL-100604	0.22/5.6	10.00/254.0	x	6.00/152.4	x	4.00/101.6
WYL-100606	0.28/7.1	10.00/254.0	x	6.00/152.4	x	6.00/152.4
WYL-100806	0.28/7.1	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYL-101004	0.22/5.6	10.00/254.0	x	10.00/254.0	x	4.00/101.6
WYL-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYL-120804	0.22/5.6	12.00/304.8	x	8.00/203.2	x	4.00/101.6
WYL-120806	0.28/7.1	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYL-120808	0.31/7.9	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYL-121206	0.28/7.1	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYL-121208	0.31/7.9	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYL-121212	0.38/9.7	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYL-161208	0.31/7.9	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYL-180806	0.28/7.1	18.00/457.2	x	8.00/203.2	x	6.00/152.4
WYL-181206	0.28/7.1	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYL-181210	0.38/9.7	18.00/457.2	x	12.00/304.8	x	10.00/254.0
WYL-181806	0.31/7.9	18.00/457.2	x	18.00/457.2	x	6.00/152.4
WYL-181808	0.34/8.6	18.00/457.2	x	18.00/457.2	x	8.00/203.2
WYL-181812	0.44/11.2	18.00/457.2	x	18.00/457.2	x	12.00/304.8
WYL-241208	0.31/7.9	24.00/609.6	x	12.00/304.8	x	8.00/203.2
WYL-241812	0.44/11.2	24.00/609.6	x	18.00/457.2	x	12.00/304.8
WYL-242412	0.44/11.2	24.00/609.6	x	24.00/609.6	x	12.00/304.8
WYL-281208	0.38/9.7	28.00/711.2	x	12.00/304.8	x	8.00/203.2
WYL-361212	0.34/8.6	36.00/914.4	x	12.00/304.8	x	12.00/304.8
WYL-362412	0.44/11.2	36.00/914.4	x	24.00/609.6	x	12.00/304.8
WYL-363612	0.44/11.2	36.00/914.4	x	36.00/914.4	x	12.00/304.8

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYW Type Hinged Cover Boxes

W Series: Watertight, Raintight, Dust Tight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

Applications

- 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 on boxes over 100 in³/1.6dm³ internal volume, and optional on boxes 100 in³/1.6dm³ or less. See *Options and Ordering Information* pages for additional information and ordering instructions.
- 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 WYW 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.
- Flat, neoprene gasket attached to cover.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.
- Choices of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

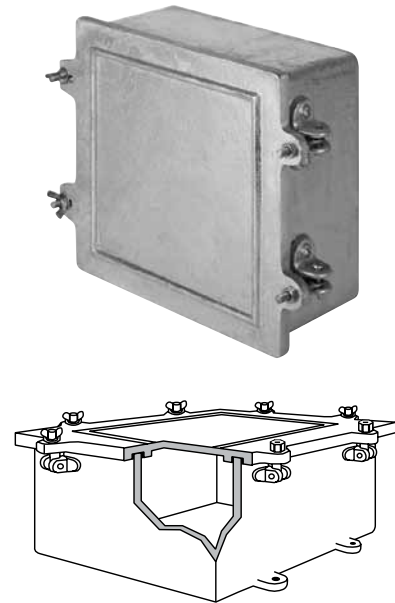
- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- For additional options see *Options and Ordering Information* pages.

Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472



† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYW Type Hinged Cover Boxes

W Series: Watertight, Raintight, Dust Tight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			D
			x	W	x	
WYW-060404 †	0.19/4.8	6.00/152.4	x	4.00/101.6	x	4.00/101.6
WYW-060604	0.19/4.8	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYW-060606	0.25/6.4	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYW-080404	0.22/5.6	8.00/203.2	x	4.00/101.6	x	4.00/101.6
WYW-080604	0.22/5.6	8.00/203.2	x	6.00/152.4	x	4.00/101.6
WYW-080606	0.25/6.4	8.00/203.2	x	6.00/152.4	x	6.00/152.4
WYW-080804	0.22/5.6	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYW-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYW-080808	0.31/7.9	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYW-100604	0.22/5.6	10.00/254.0	x	6.00/152.4	x	4.00/101.6
WYW-100606	0.28/7.1	10.00/254.0	x	6.00/152.4	x	6.00/152.4
WYW-100806	0.28/7.1	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYW-101004	0.22/5.6	10.00/254.0	x	10.00/254.0	x	4.00/101.6
WYW-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYW-120804	0.22/5.6	12.00/304.8	x	8.00/203.2	x	4.00/101.6
WYW-120806	0.28/7.1	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYW-120808	0.31/7.9	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYW-121206	0.28/7.1	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYW-121208	0.31/7.9	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYW-121212	0.38/9.7	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYW-161208	0.31/7.9	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYW-180806	0.28/7.1	18.00/457.2	x	8.00/203.2	x	6.00/152.4
WYW-181206	0.28/7.1	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYW-181210	0.38/9.7	18.00/457.2	x	12.00/304.8	x	10.00/254.0
WYW-181806	0.31/7.9	18.00/457.2	x	18.00/457.2	x	6.00/152.4
WYW-181808	0.34/8.6	18.00/457.2	x	18.00/457.2	x	8.00/203.2
WYW-181812	0.44/11.2	18.00/457.2	x	18.00/457.2	x	12.00/304.8
WYW-241208	0.31/7.9	24.00/609.6	x	12.00/304.8	x	8.00/203.2
WYW-241812	0.44/11.2	24.00/609.6	x	18.00/457.2	x	12.00/304.8
WYW-242412	0.44/11.2	24.00/609.6	x	24.00/609.6	x	12.00/304.8
WYW-281208	0.38/9.7	28.00/711.2	x	12.00/304.8	x	8.00/203.2
WYW-361212	0.34/8.6	36.00/914.4	x	12.00/304.8	x	12.00/304.8
WYW-362412	0.44/11.2	36.00/914.4	x	24.00/609.6	x	12.00/304.8
WYW-363612	0.44/11.2	36.00/914.4	x	36.00/914.4	x	12.00/304.8

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYF Type Flat Flanged Boxes

W Series: Submersible ‡, Watertight, Raintight, Dust Tight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 6 †, 6P †, 12, 12K, 13

Applications

- These boxes have been listed by Underwriters Laboratories, Inc. as a Type 4 † enclosure.
- They are also suitable for use indoors or outdoors where they would be subjected to splashing water, seepage of water, falling or hose directed water and severe external condensation. †

Features

- Mounting lugs are standard on boxes over 100 in³/1.6dm³ internal volume, and optional on boxes 100 in³/1.6dm³ or less. See *Options and Ordering Information* pages for additional information and ordering instructions.
- Wide flange provides greater contact between gasketed cover and box.
- Enclosed and gasketed construction – neoprene gasket attached to cover.
- Flange ground before galvanizing.
- Choices of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

- Box and cover: hot dip galvanized

Options

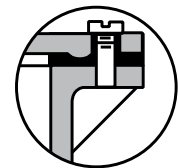
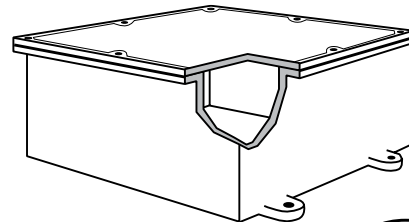
- Available in aluminum. Add suffix **-A** to catalog number.
- For additional options see *Options and Ordering Information* pages.
- Submersible Applications ‡
 - These boxes can be tested to withstand occasional submersion under a 6 foot/1.83 meter head of water for 30 minutes (NEMA 6 requirements). Add suffix **-SUB6** to catalog number.
 - These boxes can be tested to withstand Prolonged submersion under a 6 foot/1.83 meter head of water for 24 hours (NEMA 6P requirements). Add suffix **-SUB6P** to catalog number.
 - These boxes can be tested to withstand submersion up to a 20-foot head of water. Add suffix **-SUB__** to 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 WYF-SUB enclosures are subject to a price addition on application and must have:
 1. Mounting lugs
 2. Bossed, drilled, and tapped conduit entrances (ABDT series)

Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

‡ Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water and the entry of water during temporary submersion at a limited depth; and to be undamaged by the formation of ice on the enclosure.



The ridge on the underside of the cover assures a good seal.

WYF Type Flat Flanged Boxes

W Series: Submersible ‡, Watertight, Raintight, Dust Tight

Cast Iron or Aluminum Box for Surface Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 6 †, 6P †, 12, 12K, 13

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYF-040404 †	0.16/4.1	4.00/101.6	x	4.00/101.6	x	4.00/101.6
WYF-060404 †	0.16/4.1	6.00/152.4	x	4.00/101.6	x	4.00/101.6
WYF-060604	0.22/5.6	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYF-060606	0.22/5.6	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYF-080404	0.19/4.8	8.00/203.2	x	4.00/101.6	x	4.00/101.6
WYF-080606	0.22/5.6	8.00/203.2	x	6.00/152.4	x	6.00/152.4
WYF-080804	0.22/5.6	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYF-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYF-080808	0.25/6.4	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYF-100606	0.22/5.6	10.00/254.0	x	6.00/152.4	x	6.00/152.4
WYF-100806	0.25/6.4	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYF-101004	0.25/6.4	10.00/254.0	x	10.00/254.0	x	4.00/101.6
WYF-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYF-120804	0.25/6.4	12.00/304.8	x	8.00/203.2	x	4.00/101.6
WYF-120806	0.25/6.4	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYF-120808	0.25/6.4	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYF-121206	0.25/6.4	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYF-121208	0.31/7.9	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYF-121212	0.31/7.9	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYF-161004	0.28/7.1	16.00/406.4	x	10.00/254.0	x	4.00/101.6
WYF-161208	0.28/7.1	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYF-180806	0.28/7.1	18.00/457.2	x	8.00/203.2	x	6.00/152.4
WYF-181206	0.28/7.1	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYF-181210	0.31/7.9	18.00/457.2	x	12.00/304.8	x	10.00/254.0
WYF-181806	0.31/7.9	18.00/457.2	x	18.00/457.2	x	6.00/152.4
WYF-181812	0.31/7.9	18.00/457.2	x	18.00/457.2	x	12.00/304.8
WYF-241208	0.31/7.9	24.00/609.6	x	12.00/304.8	x	8.00/203.2
WYF-241812	0.34/8.6	24.00/609.6	x	18.00/457.2	x	12.00/304.8
WYF-242412	0.38/9.7	24.00/609.6	x	24.00/609.6	x	12.00/304.8
WYF-281208	0.38/8.6	28.00/711.2	x	12.00/304.8	x	8.00/203.2
WYF-361812	0.38/8.6	36.00/914.4	x	18.00/457.2	x	12.00/304.8
WYF-363612	0.44/11.2	36.00/914.4	x	36.00/914.4	x	12.00/304.8

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

‡ Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water and the entry of water during temporary submersion at a limited depth; and to be undamaged by the formation of ice on the enclosure.

WYU Type Inside Flanged Recessed Cover Boxes

W Series: Raintight, Dust Tight

Cast Iron Box for Flush Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 5, 12, 12K, 13

Applications

- Recessed cover boxes designed for flush mounting in masonry.
- They are furnished with a plain cover as shown but can be supplied with steel checkered plate covers suitable for foot traffic (see options).

Features

- Flat, neoprene gasket attached to cover.
- Wide selection of sizes and locations for drilled-and-tapped and slip-hole conduit entrances.
- Choices of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

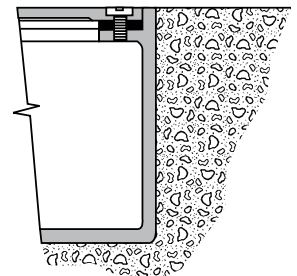
- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- Steel checkered plate covers suitable for pedestrian traffic add suffix **-CS**.
- See optional hinges below.
- For additional options see *Options and Ordering Information* pages.



Installation in Masonry



Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472

Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYU-040404	0.16/4.1	4.00/101.6	x	4.00/101.6	x	4.00/101.6
WYU-060604	0.22/5.6	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYU-060606	0.22/5.6	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYU-080804	0.25/6.4	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYU-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYU-100806	0.25/6.4	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYU-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYU-120806	0.25/6.4	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYU-121206	0.25/6.4	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYU-121212	0.31/7.9	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYU-161208	0.28/7.1	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYU-181210	0.28/7.1	18.00/457.2	x	12.00/304.8	x	10.00/254.0

Optional Hinges (Stainless Steel, Butt Type)

Catalog Number	Hinges Per Set	Box Size
AHNG-22SS	0.16/4.1	Up to 12" x 12"/304.8 x 304.8 mm
AHNG-23SS	0.22/5.6	Up to 18" x 18"/457.2 x 457.2 mm
AHNG-33SS	0.22/5.6	Larger than 18" x 18"/457.2 x 457.2mm

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYR Outside Flanged Recessed Cover Boxes

W Series: Watertight, Raintight, Dust Tight

Cast Iron Box for Flush Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

Applications

- These recessed cover boxes are listed by Underwriters' Laboratories, Inc. as Type 4.
- They are suitable for use outdoors where they would be subjected to rain or dripping or splashing of water.
- This type of box is designed especially for flush mounting in walls or floors or can be used for surface mounting using optional mounting lugs.

Features

- Flat, neoprene gasket attached to cover.
- 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.
- Choices of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

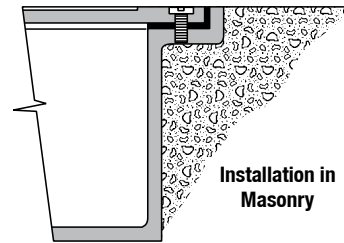
- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- Steel checkered plate covers suitable for pedestrian traffic add suffix **-CS**.
- Steel checkered covers suitable for vehicular traffic (H-25 loading) add suffix **-CSV**.
- For additional options see *Options and Ordering Information* pages.

Certifications and Compliances

- UL Standard: UL 514A, UL 50, UL 50E
- UL Listed: E110234
- CSA Standard: C22.2 No. 40
- CSA Certified: 001472



† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

WYR Outside Flanged Recessed Cover Boxes

W Series: Watertight, Raintight, Dust Tight

Cast Iron Box for Flush Mounting.

NEMA/CSA Type 1, 2, 3, 3R †, 3S †, 4 †, 5, 12, 12K, 13

Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYR-040404	0.16/4.1	4.00/101.6	x	4.00/101.6	x	4.00/101.6
WYR-060404	0.16/4.1	6.00/152.4	x	4.00/101.6	x	4.00/101.6
WYR-060604	0.22/5.6	6.00/152.4	x	6.00/152.4	x	4 4.00/101.6
WYR-060606	0.22/5.6	6.00/152.4	x	6.00/152.4	x	6.00/152.4
WYR-080404	0.19/4.8	8.00/203.2	x	4.00/101.6	x	4.00/101.6
WYR-080604	0.22/5.6	8.00/203.2	x	6.00/152.4	x	4.00/101.6
WYR-080804	0.25/6.4	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYR-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYR-080808	0.25/6.4	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYR-100606	0.22/5.6	10.00/254.0	x	6.00/152.4	x	6.00/152.4
WYR-100806	0.25/6.4	10.00/254.0	x	8.00/203.2	x	6.00/152.4
WYR-101004	0.25/6.4	10.00/254.0	x	10.00/254.0	x	4.00/101.6
WYR-101006	0.25/6.4	10.00/254.0	x	10.00/254.0	x	6.00/152.4
WYR-120804	0.25/6.4	12.00/304.8	x	8.00/203.2	x	4.00/101.6
WYR-120806	0.25/6.4	12.00/304.8	x	8.00/203.2	x	6.00/152.4
WYR-120808	0.25/6.4	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYR-121206	0.25/6.4	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYR-121208	0.31/7.9	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYR-121212	0.31/7.9	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYR-140806	0.25/6.4	14.00/355.6	x	8.00/203.2	x	6.00/152.4
WYR-161208	0.28/7.1	16.00/406.4	x	12.00/304.8	x	8.00/203.2
WYR-180806	0.28/7.1	18.00/457.2	x	8.00/203.2	x	6.00/152.4
WYR-181206	0.28/7.1	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYR-181210	0.31/7.9	18.00/457.2	x	12.00/304.8	x	10.00/254.0
WYR-181806	0.31/7.9	18.00/457.2	x	18.00/457.2	x	6.00/152.4
WYR-181812	0.31/7.9	18.00/457.2	x	18.00/457.2	x	12.00/304.8
WYR-241208	0.31/7.9	24.00/609.6	x	12.00/304.8	x	8.00/203.2
WYR-241812	0.34/8.6	24.00/609.6	x	18.00/457.2	x	12.00/304.8
WYR-242412	0.38/9.7	24.00/609.6	x	24.00/609.6	x	12.00/304.8
WYR-361812	0.38/9.7	36.00/914.4	x	18.00/457.2	x	12.00/304.8
WYR-362412	0.41/10.4	36.00/914.4	x	24.00/609.6	x	12.00/304.8
WYR-363612	0.44/11.2	36.00/914.4	x	36.00/914.4	x	12.00/304.8

* Measured 2.00"/50.8 mm up from back of box.

† Mounting lugs are optional. For watertight and raintight external mounting means must be provided. Specify mounting lugs.

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

Enclosures and Junction Boxes

WYT Type Checkered Cover Sidewalk Boxes

W 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 and Ordering Information* pages).

Features

- Type WYT 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.
- Flat, neoprene gasket, attached to cover.
- Wide selection of locations for drilled and tapped and slip hole conduit entrances.
- Choice of locations for blind tapped holes in interior mounting buttons (optional).

Standard Materials

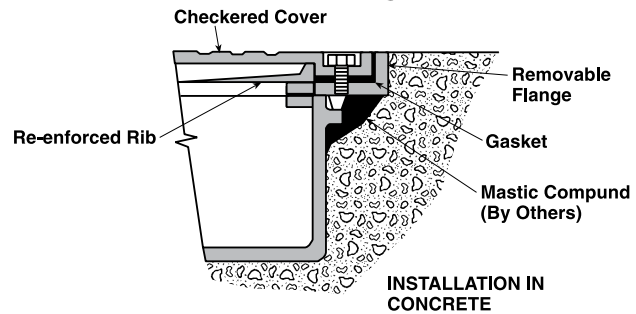
- Box and cover: cast iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

- Box and cover: hot dip galvanized

Options

- Available in aluminum. Add suffix **-A** to catalog number.
- Steel checkered covers suitable for vehicular traffic H-25 loading, add suffix **-CSV**.
- Engraved lettering on cover per specifications.
- For additional options see *Options and Ordering Information* pages.



Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYT-060604	0.25/6.4	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYT-080604	0.25/6.4	8.00/203.2	x	6.00/152.4	x	4.00/101.6
WYT-080804	0.25/6.4	8.00/203.2	x	8.00/203.2	x	4.00/101.6
WYT-080806	0.25/6.4	8.00/203.2	x	8.00/203.2	x	6.00/152.4
WYT-080808	0.25/6.4	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYT-120808	0.31/7.9	12.00/304.8	x	8.00/203.2	x	8.00/203.2
WYT-121206	0.31/7.9	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYT-121208	0.38/9.7	12.00/304.8	x	12.00/304.8	x	8.00/203.2
WYT-121212	0.38/9.7	12.00/304.8	x	12.00/304.8	x	12.00/304.8
WYT-181206	0.38/9.7	18.00/457.2	x	12.00/304.8	x	6.00/152.4
WYT-241208	0.38/9.7	24.00/609.6	x	12.00/304.8	x	8.00/203.2

* Measured 2.00"/50.8 mm up from back of box.

WYC Type Box with Hinged Door and Trim Cabinet

W Series: Weatherproof

Cast Iron Box for Flush Mounting in Walls.

Applications

- They are used exterior building walls, bridge construction, underpasses and approaches.
- They may house time switches, relays or other types of equipment.

Features

- These boxes have ornamental trim for flush mounting in concrete or stone structures.
- Type WYC 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.

Standard Materials

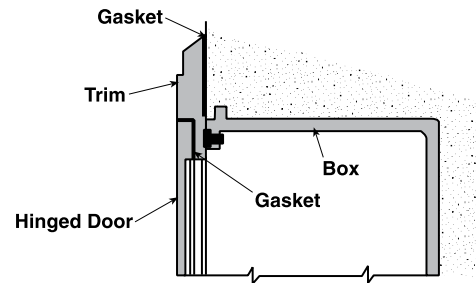
- Box: cast iron
- Trim/door: cast iron
- Gasket: neoprene and polyurethane
- Hinges: steel, non-removable
- Cylinder lock: brass with two keys

Standard Finishes

- Box: hot dip galvanized
- Trim/Door: hot dip galvanized
- Hinges: zinc plated

Options

- Lettering cast on cover per specifications at price addition.
- Cast bronze trim/door available at price addition. Add suffix **-B**.
- For additional options see *Options and Ordering Information* pages.



INSTALLATION IN WALL

Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYC-060604	0.25/6.4	6.00/152.4	x	6.00/152.4	x	4.00/101.6
WYC-080808	0.25/6.4	8.00/203.2	x	8.00/203.2	x	8.00/203.2
WYC-121206	0.31/7.9	12.00/304.8	x	12.00/304.8	x	6.00/152.4
WYC-121208	0.38/9.7	12.00/304.8	x	12.00/304.8	x	8.00/203.2

* Measured 2.00"/50.8 mm up from back of box.

WY58E Type Checkered Cover Sidewalk Topping Box

W Series: Weatherproof

Cast Iron Box for Flush Mounting.

ENCLOSURES AND JUNCTION BOXES: ORDINARY LOCATION JUNCTION BOXES

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 WYT.
- 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.
- Flat, neoprene gasket, attached to cover.
- Wide selection of locations for drilled and tapped and slip hole conduit entrances.

Standard Materials

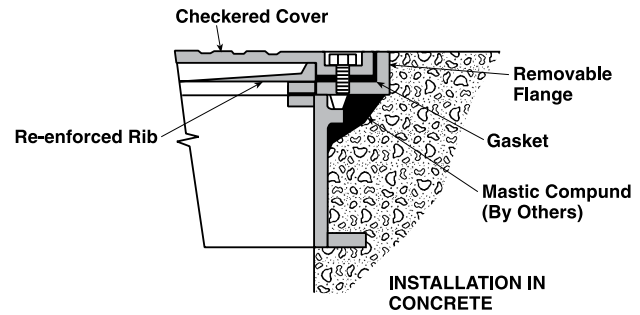
- Box, flange and cover: cast iron
- Neoprene gasket
- Screws: stainless steel

Standard Finishes

- Box and cover: hot dip galvanized

Options

- Engraved lettering on cover per specifications.



Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WY58E-1212	0.38/9.7	12.00/304.8	x	12.00/304.8	x	5.00/127.0
WY58E-1812	0.38/9.7	18.00/457.2	x	12.00/304.8	x	5.00/127.0
WY58E-2412	0.38/9.7	24.00/609.6	x	12.00/304.8	x	5.00/127.0
WY58E-2418	0.38/9.7	24.00/609.6	x	18.00/457.2	x	5.00/127.0
WY58E-2424	0.38/9.7	24.00/609.6	x	24.00/609.6	x	5.00/127.0
WY58E-3018	0.38/9.7	30.00/762.0	x	18.00/457.2	x	5.00/127.0
WY58E-3618	0.38/9.7	36.00/914.4	x	18.00/457.2	x	5.00/127.0
WY58E-3624	0.38/9.7	36.00/914.4	x	24.00/609.6	x	5.00/127.0
WY58E-3636	0.38/9.7	36.00/914.4	x	36.00/914.4	x	5.00/127.0
WY58E-4224	0.38/9.7	42.00/1066.8	x	24.00/609.6	x	5.00/127.0

* Measured 2.00"/50.8 mm up from back of box.

WYNY Type Checkered Cover Roadway Topping Box

W Series: Weatherproof
Cast Iron Box for Flush Mounting.

Applications

- These open-bottom boxes are designed to top off concrete pull boxes.
- Units designed to withstand vehicular traffic, H-20 loading.

Features

- Design of these boxes is similar to the type WY58E except box and flange are one piece and cover is of cast steel or ductile iron.
- Cross-ribbed checkered cover with pry bar slots.

Standard Materials

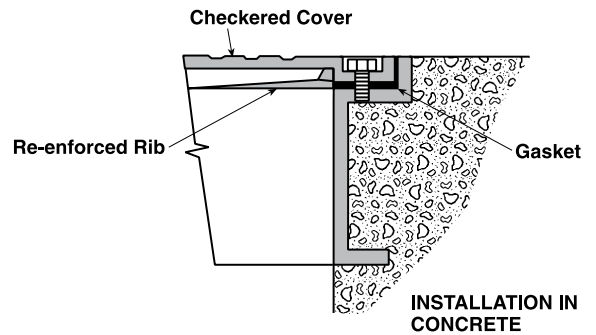
- Box: cast iron
- Cover: cast steel or ductile iron
- Gasket: neoprene
- Screws: stainless steel cover

Standard Finishes

- Box and cover: hot dip galvanized

Options

- Engraved lettering on cover per specifications.



Iron Catalog Number	Approximate Wall Thickness * in/mm	L	Inside Dimensions Inches/Millimeters			
			x	W	x	D
WYNY-1812-DIV	0.38/9.7	18.00/457.2	x	12.00/304.8	x	5.50/139.7
WYNY-2418-DIV	0.38/9.7	24.00/609.6	x	18.00/457.2	x	5.50/139.7
WYNY-3018-DIV	0.38/9.7	30.00/762.0	x	18.00/457.2	x	5.50/139.7
WYNY-3618-DIV	0.38/9.7	36.00/914.4	x	18.00/457.2	x	5.50/139.7
WYNY-3624-DIV	0.38/9.7	36.00/914.4	x	24.00/609.6	x	5.50/139.7
WYNY-4824-DIV	0.38/9.7	48.00/1219.2	x	24.00/609.6	x	5.50/139.7

Notes

