

Sealing Fittings

Explosionproof, Dust-Ignitionproof

For Use with Threaded Rigid Metal Conduit and IMC.

Applications

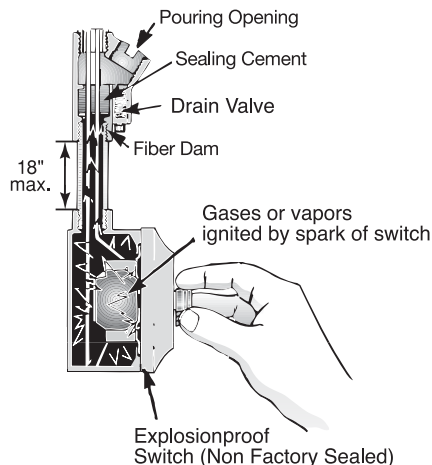
- Prevent passage of gases, vapors or flames from one portion of conduit system to another. Restrict any explosion to the sealed off enclosure. Prevent pressure piling within conduit system.
- Required in Class I, Division 1 and 2 locations within 18" of enclosures containing apparatus that may cause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

Features

- Explosionproof, dust-ignitionproof, raintight.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYA/EYAM—for sealing vertical conduit. Large opening for damming and filling.
- Expanded fill EYAX/EYDX— allow up to 40% conduit fill in compliance with the National Electrical Code.
- EY/EYM—for sealing vertical conduit. Large opening for damming and filling.

Illustrated Features

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



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

Standard Materials

- EYA/EYAM: malleable iron or Almag 35 aluminum
- EYAX/EYDX and EYD/EYDM seals: malleable iron
- EY/EYM: Grayloy®-iron

Standard Finishes

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

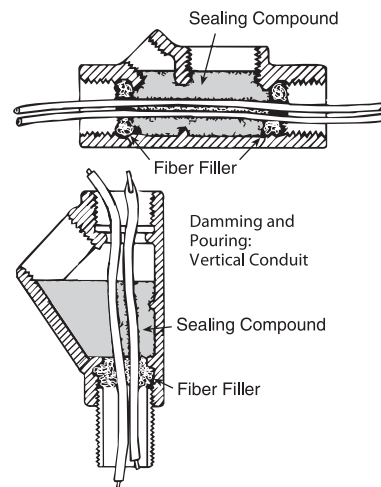
NEC/CEC Certifications and Compliances

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

Related Products

- Kwiko™ A sealing cement and fiber filler

OZ-Gedney sealing fittings are suitable for Class I and II locations. EYA/EYAM, EYAX/EYDX and EY/EYM are for sealing vertical conduit. EYD/EYDM also have drain valves.



EYA 25% * Fill Vertical and Horizontal Conduit Sealing Fittings

For Close Turning Radius. Explosionproof, Dust-Ignitionproof, Raintight.

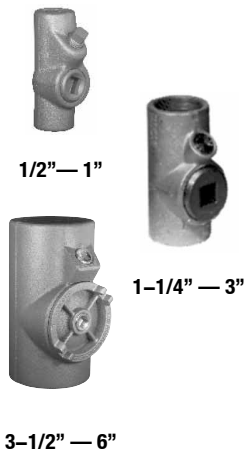

For Use with Threaded Rigid Metal Conduit and IMC.

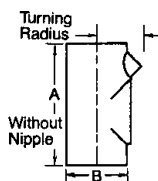
NEC/CEC:

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

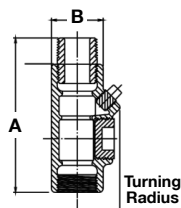
Class II, Division 1 and 2, Groups E, F, G

Class III

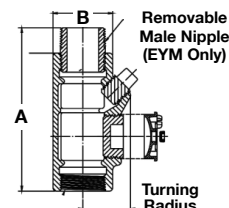
		Millimeters (Inches)			Kwiko™ A Cement Required Grams (Ounces)	Catalog Number	
Trade Size (Inches)		A (Length)	B (Width)	Turning Radius		Malleable Iron	Almag 35 Aluminum
Female							
	1/2	88.9 (3.50)	30.2 (1.19)	26.9 (1.06)	28.4 (1.00)	EYA-50 ◇	EYA-50A ◇
	3/4	88.9 (3.50)	35.0 (1.38)	30.2 (1.19)	56.7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



EYA 1/2" – 6"



EYAM 1/2" – 1"



EYA 1-1/4" – 6"

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

① Not UL Listed. CSA Certified only.

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

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

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

Explosionproof, Dust-Ignitionproof, Raintight

For Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:






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

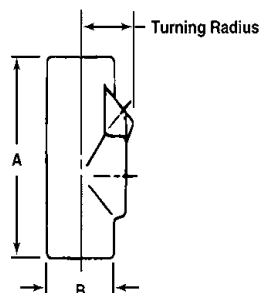
Class II, Division 1 and 2, Groups E, F, G

Class III

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF SEALING FITTINGS

OZGEDNEY

		Trade Size (Inches)	Millimeters (Inches)		Turning Radius ①	Kwiko™ A Cement Required Grams (Ounces)	Catalog Number
			A (Length)	B (Width)			Malleable Iron
EYAX Female 1/2"-4" Vertical and Horizontal Conduit Seals for Close Turning Radius							
 1/2" — 3/4"	1/2	93.7 (3.69)	38.1 (1.50)	31.7 (1.25)	56.8 (2.00)	EYAX-50	
	3/4	109.4 (4.31)	44.4 (1.75)	35.0 (1.38)	113.5 (4.00)	EYAX-75	
 1" — 2-1/2"	1	128.5 (5.06)	55.6 (2.19)	44.4 (1.75)	198.6 (7.00)	EYAX-100	
	1-1/4	139.7 (5.50)	61.9 (2.44)	52.3 (2.06)	368.9 (13.00)	EYAX-125	
 3" — 4"	1-1/2	158.7 (6.25)	76.2 (3.00)	58.6 (2.31)	624.3 (22.00)	EYAX-150	
	2	190.5 (7.50)	88.9 (3.50)	66.8 (2.63)	1,021.5 (36.00)	EYAX-200	
 3" — 4"	2-1/2	215.9 (8.50)	107.9 (4.25)	76.2 (3.00)	1,730.9 (61.00)	EYAX-250	
	3	233.4 (9.19)	120.6 (4.75)	84.0 (3.31)	2,525.4 (89.00)	EYAX-300	
 3" — 4"	3-1/2	247.6 (9.75)	133.3 (5.25)	91.1 (3.59)	3,234.8 (114.00)	EYAX-350	
	4	280.9 (11.06)	165.1 (6.50)	107.1 (4.22)	5,726.6 (202.00)	EYAX-400 ①	



① Turning radius with cover or plug removed.

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

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





EYD 25% * Fill Vertical Conduit Drain Sealing Fittings

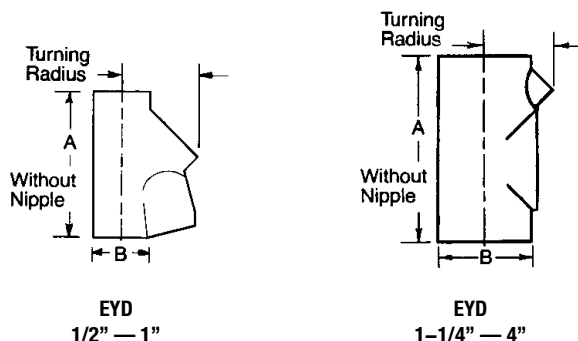
For Close Turning Radius. Explosionproof, Dust-Ignitionproof, Raintight

For Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:

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

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



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

① Turning radius with cover or plug removed.

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

Explosionproof, Dust-Ignitionproof, Raintight

For Use with Threaded Rigid Metal Conduit and IMC.



NEC/CEC:

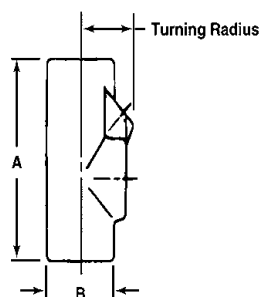
Class I, Division 1 and 2, Groups A◇, B◆, C, D

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

Class III

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF SEALING FITTINGS

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



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

① Turning radius with cover or plug removed.

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

Explosionproof, Dust-Ignitionproof, Raintight


For Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC:

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

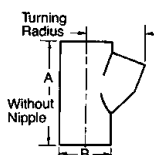
Class II, Division 1 and 2, Groups E, F, G

Class III

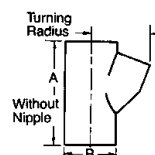
		Millimeters (Inches)			Kwiko™ A Cement Required Grams (Ounces)	Catalog Num- ber Grayloy™ Iron	
	Trade Size (Inches)	A (Length)	B (Width)	Turning Radius ①			
EY Vertical Sealing Fittings (25% fill)							
	Female						
	1/2	3-1/4	1-3/16	1-1/8	2	EY-50	
	3/4	3-5/8	1-1/4	2-3/8	3	EY-75	
	1	4-1/4	1-3/8	2-3/4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

Female

Male



Type EY



Type EYM

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① Turning radius with cover or plug removed.

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

Kwiko™ A Sealing Cement and Filler

For use in Sealing Fittings and Sealing Hubs

See specific sealing fitting and sealing hubs for quantities required.

NEC/CEC:

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

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

Class III

Applications

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

Features

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

Options

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



EYCK5LB



EYFK4



AC1F01-A0Z

Kwiko™ A Sealing Cement and Filler

For use in Sealing Fittings and Sealing Hubs

See specific sealing fitting and sealing hubs for quantities required.

NEC/CEC:

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

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

Class III

	Weight Grams (Ounces)	Volume When Set dm ³ (in ³)	Catalog Number
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Kwiko™ A Sealing Cement Mixing Ratio: 2 parts cement to 1 part water



453.6 (16.00)

0.38 (23.00)

EYCK160Z

2268.0 (80.00)

1.89 (115.00)

EYCK5LB

Fiber Filler

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



113.4 (4.00)

—

EYFK4

226.8 (8.00)

—

EYFK8

453.6 (16.00)

—

EYFK16

Kwiko™ A Sealing Cement and Fiber Filler Kits



Cement

453.6 (16.00)

Fiber

28.4 (1.00)

377.0 (23.00)

AC1F01-A0Z

Approximate amount of fiber filler required per hub — For 25% fill ①

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

① For 40% expanded fill seal fittings, double the amount of fiber filler shown.