Sealing Fittings

Explosionproof; Dust-Ignitionproof

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

Applications

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

Features

- Explosionproof, dust-ignitionproof, raintight.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYS—for sealing vertical conduit. Large opening for damming and filling.
- Expanded fill EYSEF/EYDEF— allow up to 40% conduit fill in compliance with the National Electrical Code.
- EYSF/EYSM—for sealing vertical conduit. Large opening for damming and filling.
- ESUF/ESUM for sealing vertical or horizontal conduit. Pouring spout rotates 90°. Removable cover provides full access for damming 2-1/2" thru 4" sizes have threaded cover openings for damming.
- EYF/EYM—close radius type for sealing vertical or horizontal conduit runs.
- EYDM Drain Sealing Fittings—close radius type for sealing vertical conduit runs. Access cover has drain valve for automatic draining of water accumulation above the seal.
- UL Listed for use with Kwiko® A Sealing Compound. Also listed with certain competitors sealing cement, contact factory for details.

Standard Materials

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

Standard Finishes

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

Certifications and Compliances

- UL Standard: 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181

Options

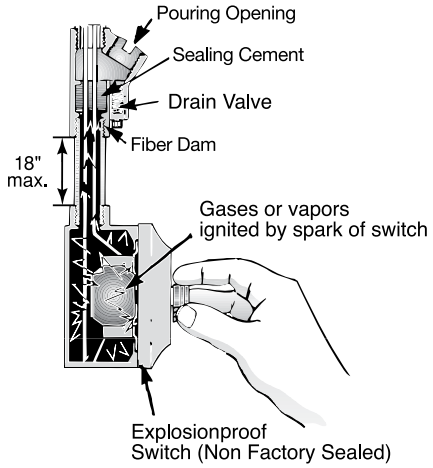
- PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

Related Products

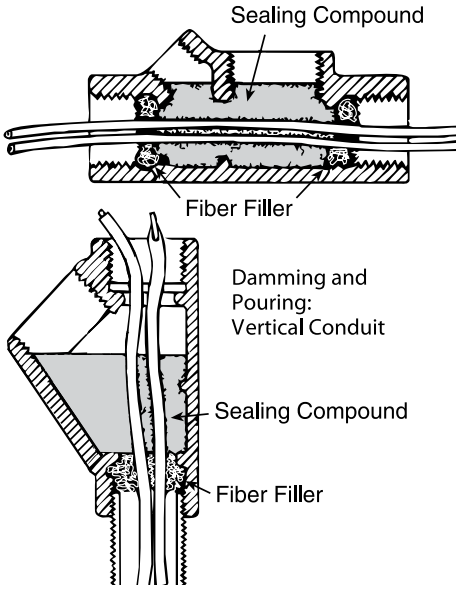
- Kwiko® A sealing cement and fiber filler

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.



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



© September 2010

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

Explosionproof, Dust-Ignitionproof, Raintight

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

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



1/2"— 1"

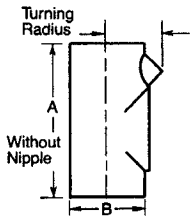


1–1/4" — 3"



3–1/2" — 6"

Trade Size (Inches)	A (Length)	B (Width)	Turning Radius ❷	Kwiko® A Cement Required Ounces/Grams	Catalog Number Malleable Iron	Catalog Number Almag 35 Aluminum
Female						
1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	**EYF-50 ◇ ❸**	**EYF-50AL ◇ ❸**
3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	**EYF-75 ◇ ❸**	**EYF-75AL ◇ ❸**
1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	**EYF-100 ◇ ❸**	**EYF-100AL ◇ ❸**
1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	**EYF-125 ◆ ❸**	**EYF-125AL ❸**
1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	**EYF-150 ◆ ❸**	**EYF-150AL ❸**
2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	**EYF-200 ◆ ❸**	**EYF-200AL ❸**
2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	**EYF-250 ◆ ❸**	**EYF-250AL ❸**
3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	**EYF-300 ◆ ❸**	**EYF-300AL ❸**
3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	**EYF-350 ◆**	**EYF-350AL**
4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	**EYF-400 ◆ ❸**	**EYF-400AL ❸**
5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	**EYF-500 ❹**	—
6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	**EYF-600 ❹**	—
Male/Female (Removable Male Nipple)						
1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	**EYM-50 ◇ ❸**	**EYM-50AL ◇ ❸**
3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	**EYM-75 ◇ ❸**	**EYM-75AL ◇ ❸**
1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	**EYM-100 ◇ ❸**	**EYM-100AL ◇ ❸**
1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	**EYM-125 ◆ ❸**	**EYM-125AL ❸**
1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	**EYM-150 ◆ ❸**	**EYM-150AL ❸**
2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	**EYM-200 ◆ ❸**	**EYM-200AL ❸**
2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	**EYM-250 ◆ ❸**	**EYM-250AL ❸**
3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	**EYM-300 ◆ ❸**	**EYM-300AL ❸**
3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	**EYM-350 ◆**	**EYM-350AL**
4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	**EYM-400 ◆ ❸**	**EYM-400AL ❸**
5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	**EYM-500 ❹**	—
6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	**EYM-600 ❹**	—



❶ *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.*

❷ *Turning radius with cover or plug removed.*

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

❹ *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.*

© September 2010

Sealing Fittings

Explosionproof; Dust-Ignitionproof

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

Applications

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

Features

- Explosionproof, dust-ignitionproof, raintight.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Removable nipple in male sealing fitting may be used interchangeably in top or bottom hub.
- EYS—for sealing vertical conduit. Large opening for damming and filling.
- Expanded fill EYSEF/EYDEF— allow up to 40% conduit fill in compliance with the National Electrical Code.
- EYSF/EYSM—for sealing vertical conduit. Large opening for damming and filling.
- ESUF/ESUM for sealing vertical or horizontal conduit. Pouring spout rotates 90°. Removable cover provides full access for damming 2-1/2" thru 4" sizes have threaded cover openings for damming.
- EYF/EYM—close radius type for sealing vertical or horizontal conduit runs.
- EYDM Drain Sealing Fittings—close radius type for sealing vertical conduit runs. Access cover has drain valve for automatic draining of water accumulation above the seal.
- UL Listed for use with Kwiko® A Sealing Compound. Also listed with certain competitors sealing cement, contact factory for details.

Standard Materials

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

Standard Finishes

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

Certifications and Compliances

- UL Standard: 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 30
- CSA Certified: 065181

Options

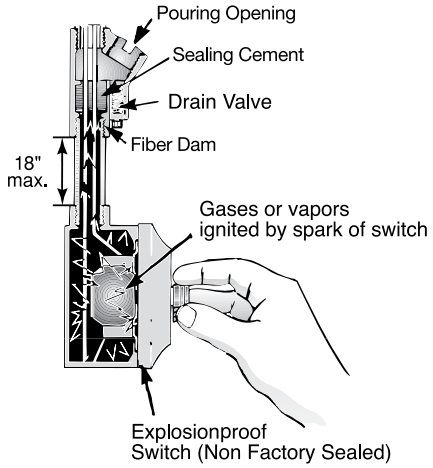
- PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

Related Products

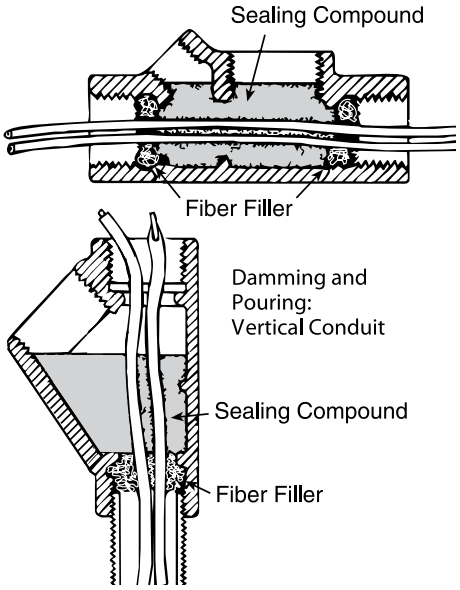
- Kwiko® A sealing cement and fiber filler

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.



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



© September 2010

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

Explosionproof, Dust-Ignitionproof, Raintight

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

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



1/2"— 1"

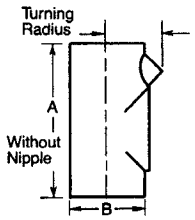


1–1/4" — 3"



3–1/2" — 6"

Trade Size (Inches)	A (Length)	B (Width)	Turning Radius ❷	Kwiko® A Cement Required Ounces/Grams	Catalog Number Malleable Iron	Catalog Number Almag 35 Aluminum
Female						
1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	**EYF-50 ◇ ❸**	**EYF-50AL ◇ ❸**
3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	**EYF-75 ◇ ❸**	**EYF-75AL ◇ ❸**
1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	**EYF-100 ◇ ❸**	**EYF-100AL ◇ ❸**
1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	**EYF-125 ◆ ❸**	**EYF-125AL ❸**
1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	**EYF-150 ◆ ❸**	**EYF-150AL ❸**
2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	**EYF-200 ◆ ❸**	**EYF-200AL ❸**
2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	**EYF-250 ◆ ❸**	**EYF-250AL ❸**
3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	**EYF-300 ◆ ❸**	**EYF-300AL ❸**
3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	**EYF-350 ◆**	**EYF-350AL**
4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	**EYF-400 ◆ ❸**	**EYF-400AL ❸**
5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	**EYF-500 ❹**	—
6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	**EYF-600 ❹**	—
Male/Female (Removable Male Nipple)						
1/2	3.50/88.9	1.19/30.2	1.06/26.9	1.00/28.4	**EYM-50 ◇ ❸**	**EYM-50AL ◇ ❸**
3/4	3.50/88.9	1.38/35.0	1.19/30.2	2.00/56.7	**EYM-75 ◇ ❸**	**EYM-75AL ◇ ❸**
1	4.25/107.9	1.75/44.4	1.38/35.0	4.00/113.4	**EYM-100 ◇ ❸**	**EYM-100AL ◇ ❸**
1-1/4	4.94/125.4	2.00/50.8	1.75/44.4	7.00/198.4	**EYM-125 ◆ ❸**	**EYM-125AL ❸**
1-1/2	5.50/139.7	2.38/60.4	2.06/52.3	13.00/368.5	**EYM-150 ◆ ❸**	**EYM-150AL ❸**
2	6.13/155.7	2.88/73.1	2.31/58.6	22.00/623.7	**EYM-200 ◆ ❸**	**EYM-200AL ❸**
2-1/2	7.50/190.5	3.38/85.8	2.69/68.3	36.00/1020.6	**EYM-250 ◆ ❸**	**EYM-250AL ❸**
3	8.13/206.5	4.13/104.9	3.13/79.5	61.00/1729.3	**EYM-300 ◆ ❸**	**EYM-300AL ❸**
3-1/2	8.94/227.0	4.75/120.6	3.44/87.3	89.00/2523.1	**EYM-350 ◆**	**EYM-350AL**
4	9.38/238.2	5.13/130.3	3.69/93.7	114.00/3231.8	**EYM-400 ◆ ❸**	**EYM-400AL ❸**
5	10.81/274.5	6.25/158.7	4.69/119.1	202.00/5726.6	**EYM-500 ❹**	—
6	11.81/299.9	7.31/185.6	5.38/136.6	230.00/6520.4	**EYM-600 ❹**	—



❶ *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.*

❷ *Turning radius with cover or plug removed.*

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

❹ *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.*

© September 2010