# 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

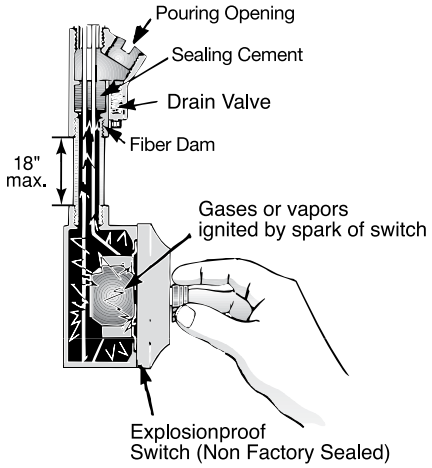
- PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.

### Related Products

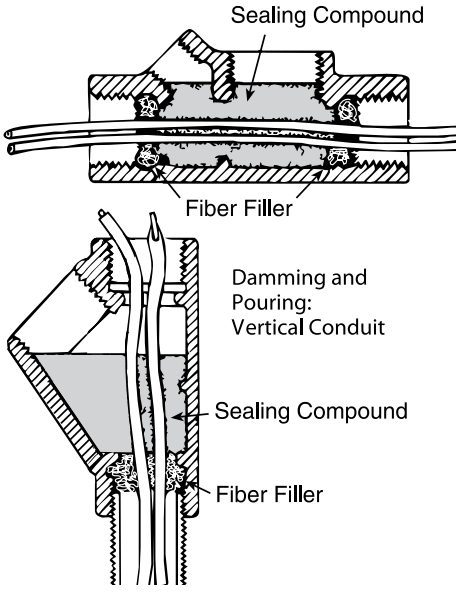
- Kwiko® A sealing cement and fiber filler

### 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.







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

## Explosionproof, Dust-Ignitionproof, Raintight

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

***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" — 3/4"**

**1" — 2–1/2"**

**3" — 4"**

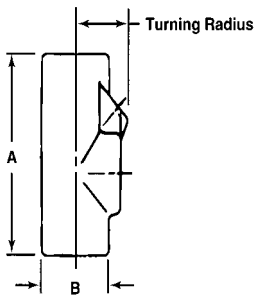
| Trade Size (Inches) | Inches/Millimeters A (Length) | B (Width) | Turning Radius † | Kwiko® A Cement Required Ounces/Grams | Catalog Number ‡ Malleable Iron | Almag 35 Aluminum |
|---|---|---|---|---|---|---|
| **EYSEF Female 1/2"-4" Vertical and Horizontal Conduit Seals for Close Turning Radius** | | | | | | |
| 1/2 | 3.69/93.7 | 1.50/38.1 | 1.25/31.7 | 2.00/56.8 | **EYSEF50** ◇ | **EYSEF50AL** ◇ |
| 3/4 | 4.31/109.4 | 1.75/44.4 | 1.38/35.0 | 4.00/113.5 | **EYSEF75** ◇ | **EYSEF75AL** ◇ |
| 1 | 5.06/128.5 | 2.19/55.6 | 1.75/44.4 | 7.00/198.6 | **EYSEF100** ◆ | **EYSEF100AL** ◆ |
| 1-1/4 | 5.50/139.7 | 2.44/61.9 | 2.06/52.3 | 13.00/368.9 | **EYSEF125** ◆ | **EYSEF125AL** ◆ |
| 1-1/2 | 6.25/158.7 | 3.00/76.2 | 2.31/58.6 | 22.00/624.3 | **EYSEF150** ◆ | **EYSEF150AL** |
| 2 | 7.50/190.5 | 3.50/88.9 | 2.63/66.8 | 36.00/1,021.5 | **EYSEF200** ◆ | **EYSEF200AL** |
| 2-1/2 | 8.50/215.9 | 4.25/107.9 | 3.00/76.2 | 61.00/1,730.9 | **EYSEF250** ◆ | **EYSEF250AL** |
| 3 | 9.19/233.4 | 4.75/120.6 | 3.31/84.0 | 89.00/2,525.4 | **EYSEF300** ◆ | **EYSEF300AL** |
| 3-1/2 | 9.75/247.6 | 5.25/133.3 | 3.59/91.1 | 114.00/3,234.8 | **EYSEF350** ◆ | **EYSEF350AL** |
| 4 | 11.06/280.9 | 6.50/165.1 | 4.22/107.1 | 202.00/5,726.6 | **EYSEF400** | **EYSEF400AL** |

**1/2" — 3/4"**

**1" — 2–1/2"**

**3" — 4"**

| Trade Size (Inches) | Inches/Millimeters A (Length) | B (Width) | Turning Radius † | Kwiko® A Cement Required Ounces/Grams | Catalog Number ‡ Malleable Iron | Almag 35 Aluminum |
|---|---|---|---|---|---|---|
| **EYDEF Female 1/2"-4" Vertical Drain Seals for Close Turning Radius** | | | | | | |
| 1/2 | 3.69/93.7 | 1.50/38.1 | 1.25/31.7 | 4.00/113.5 | **EYDEF50** ◆ | **EYDEF50AL** ◆ |
| 3/4 | 4.31/109.4 | 1.75/44.4 | 1.38/35.0 | 6.00/170.3 | **EYDEF75** ◆ | **EYDEF75AL** ◆ |
| 1 | 5.06/128.5 | 2.19/55.6 | 1.75/44.4 | 7.00/198.6 | **EYDEF100** ◆ | **EYDEF100AL** ◆ |
| 1-1/4 | 5.50/139.7 | 2.44/61.9 | 2.06/52.3 | 13.00/368.9 | **EYDEF125** ◆ | **EYDEF125AL** ◆ |
| 1-1/2 | 6.25/158.7 | 3.00/76.2 | 2.31/58.6 | 22.00/624.3 | **EYDEF150** ◆ | **EYDEF150AL** |
| 2 | 7.50/190.5 | 3.50/88.9 | 2.63/66.8 | 36.00/1,021.5 | **EYDEF200** ◆ | **EYDEF200AL** |
| 2-1/2 | 8.50/215.9 | 4.25/107.9 | 3.00/76.2 | 61.00/1,730.9 | **EYDEF250** ◆ | **EYDEF250AL** |
| 3 | 9.19/233.4 | 4.75/120.6 | 3.31/84.0 | 89.00/2,525.4 | **EYDEF300** ◆ | **EYDEF300AL** |
| 3-1/2 | 9.75/247.6 | 5.25/133.3 | 3.59/91.1 | 114.00/3,234.8 | **EYDEF350** ◆ | **EYDEF350AL** |
| 4 | 11.06/280.9 | 6.50/165.1 | 4.22/107.1 | 202.00/5,726.6 | **EYDEF400** | **EYDEF400AL** |




*† Turning radius with cover or plug removed.*
*‡ PVC coating available on select sealing fittings. Add suffix **-PVC** to catalog number.*

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

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

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