

# 6F Conduit Sealing Fittings

## Chico Sealing Compound and Fiber see pages 161-162

Cl. I, Div. 1 & 2, Groups A, B, C, D Explosionproof  
 Cl. II, Div. 1, Groups E, F, G Dust-Ignitionproof  
 Cl. II, Div. 2, Groups F, G  
 Cl. III

### Applications:

- EYS and EZS sealing fittings:
- Restrict the passage of gases, vapors or flames from one portion of the electrical installation to another at atmospheric pressure and normal ambient temperatures
  - Limit explosions to the sealed off enclosure
  - Limit precompression or pressure "piling" in conduit systems

Sealing fittings are required:

- At each entrance to an enclosure housing an arcing or sparking device when used in Class I, Division 1 and 2 hazardous locations. To be located as close as practicable and, in no case, more than 18" from such enclosures
- At each conduit entrance of 2" size or larger to an enclosure or fitting housing terminals, splices or taps when used in Class I, Division 1 hazardous locations. To be located as close as practicable and, in no case, more than 18" from such enclosures
- In conduit systems when leaving Class I, Division 1 or Division 2 hazardous locations
- In cable systems when the cables either do not have a gas/vaportight continuous sheath or are capable of transmitting gases or vapors through the cable core when those cables leave the Class I, Division 1 or Division 2 hazardous locations

### Features:

EYS and EZS sealing fittings include:

- Minimum turning radius
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushings in conduit hubs to protect conductor insulation from damage
- Taper-tapped hubs to ensure ground continuity

EYS sealing fittings are available for installation in either vertical only or in both horizontal or vertical positions.

EZS sealing fittings for installation at any angle; the covers with opening for sealing compound can be properly positioned to accept the compound.

### Certifications and Compliances:

- NEC/CEC:
  - EYS1-3, 11-31, 16-36, 116-316**  
Class I, Division 1 & 2, Groups A, B, C, D
  - Class II, Division 1, Groups E, F, G
  - Class II, Division 2, Groups F, G
  - Class III
- EYS41-101, 416-1016**  
Class I, Division 1 & 2, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III
- EYS29, 4-014, 46-0146**
- EZS1-8, 16-86**  
Class I, Division 1 & 2, Groups C, D
- Class II, Division 1, Groups F, G
- Class II, Division 2, Groups F, G
- Class III

- UL Standard: 886
- CSA Standard: C22.2

Sealing fittings are approved for use in hazardous locations only when Chico® X fiber and Chico A sealing compound or Chico SpeedSeal are used to make the seal.

### Standard Materials:

- Bodies – Feraloy® iron alloy and/or ductile iron
- Plugs – Feraloy iron alloy and/or steel
- Removable nipples – steel

### Standard Finishes:

- Feraloy iron alloy and ductile iron – electrogalvanized and aluminum acrylic paint
- Steel – electrogalvanized

### Options:

**Description**  
Copper-free aluminum bodies, nipples and enclosures

**Suffix**  
SA

### Size Ranges:

- 1/2" – 6"

### Ordering Information - EYS



Vertical female



Vertical male & female



Vertical or horizontal female



Vertical or horizontal male & female

#### For Sealing in Vertical Positions Only

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches |
|----------|-------------------|--------------------------|---|
| 1/2      | EYS1*             | EYS16*                   | 1   |
| 3/4      | EYS2*             | EYS26*                   | 2   |
| 1        | EYS3*             | EYS36*                   | 3 3/4                                       |

#### For Sealing in Vertical or Horizontal Positions

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches |            |
|----------|-------------------|--------------------------|---|------------|
|          |                   |                          | Vertical                                    | Horizontal |
| 1/2      | EYS11*            | EYS116*                  | 1   | 1          |
| 3/4      | EYS21*            | EYS216*                  | 2   | 2          |
| 1        | EYS31*            | EYS316*                  | 3   | 3 3/4      |
| 1 1/4    | EYS41             | EYS416                   | 6   | 8          |
| 1 1/2    | EYS51             | EYS516                   | 10 3/4                                      | 12 1/4     |
| 2        | EYS61             | EYS616                   | 19  | 22 3/4     |
| 2 1/2    | EYS71             | EYS716                   | 25 1/2                                      | 30         |
| 3        | EYS81             | EYS816                   | 56  | 64 1/2     |
| 3 1/2    | EYS91             | EYS916                   | 72  | 82         |
| 4        | EYS101            | EYS1016                  | 95  | 110        |

\*Available in copper-free aluminum – to order, add suffix SA to Cat. No.

### Dimensions (In Inches)

#### EYS 16 Series

| Size | a      | b     | Turning Radius |
|------|--------|-------|----------------|
| 1/2  | 3 3/32 | 1 1/4 | 1 5/8          |
| 3/4  | 3 1/2  | 1 1/2 | 1 29/32        |
| 1    | 4 5/16 | 1 3/4 | 2 5/8          |

#### EYS 116 Series

| a       | b     | Turning Radius |
|---------|-------|----------------|
| 3 11/16 | 1 1/4 | 1 5/32         |
| 3 11/16 | 1 1/2 | 1 1/4          |
| 4 5/16  | 1 3/4 | 1 3/8          |

#### EYS 46 Series

| Size  | a       | b      | Turning Radius |
|-------|---------|--------|----------------|
| 1 1/4 | 5 1/16  | 2 3/16 | 1 23/32        |
| 1 1/2 | 5 1/2   | 2 7/16 | 2 1/16         |
| 2     | 6 1/4   | 3      | 2 3/16         |
| 2 1/2 | 7 1/2   | 3 1/2  | 2 11/16        |
| 3     | 8 1/2   | 4 1/4  | 3 5/16         |
| 3 1/2 | 9 3/16  | 4 3/4  | 3 7/16 †       |
| 4     | 9 3/4   | 5 1/4  | 3 11/16 †      |
| 5     | 11 1/16 | 6 1/2  | 4 19/32 †      |
| 6     | 12 1/8  | 7 3/8  | 5 11/32 †      |

†With cover removed.

#### EYS 116 Series

| a      | b      | Turning Radius |
|--------|--------|----------------|
| 5 1/16 | 2 3/16 | 1 23/32        |
| 5 1/2  | 2 7/16 | 2 1/16         |
| 6 1/4  | 3      | 2 3/16         |
| 7 1/2  | 3 1/2  | 2 11/16        |
| 8 1/2  | 4 1/4  | 3 5/16         |
| 9 3/16 | 4 3/4  | 3 7/16 †       |
| 9 3/4  | 5 1/4  | 3 11/16 †      |

# Conduit Sealing Fittings

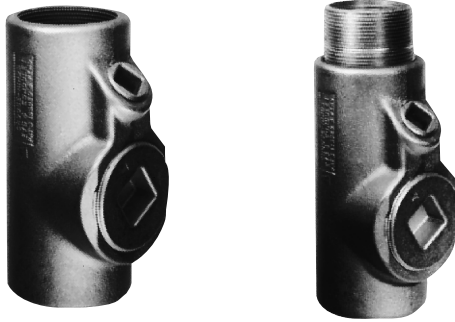
Cl. I, Div. 1 & 2, Groups C, D  
 Cl. II, Div. 1, Groups E, F, G  
 Cl. II, Div. 2, Groups F, G  
 Cl. III

Explosionproof  
 Dust-Ignitionproof

**6F**

**Chico Sealing Compound  
 and Fiber see pages 161-162**

## Ordering Information - EYS



Vertical or horizontal male & female

## Ordering Information - EZS



Male & female hub

### For Sealing in Vertical or Horizontal Positions

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches |                                |
|----------|-------------------|--------------------------|---|--------------------------------|
|          |                   |                          | Vert.                                       | Horiz.                         |
| 1/4      | EYS4*             | EYS46*                   | 6   | 8                              |
| 1/2      | EYS5*             | EYS56*                   | 10 <sup>3</sup> / <sub>4</sub>              | 12 <sup>1</sup> / <sub>4</sub> |
| 2        | EYS6*             | EYS66*                   | 19  | 22 <sup>3</sup> / <sub>4</sub> |
| 2 1/2    | EYS7*             | EYS76*                   | 25 1/2                                      | 30                             |
| 3        | EYS8*             | EYS86*                   | 56  | 64 1/2                         |
| 3 1/2    | EYS9*             | EYS96*                   | 72  | 82                             |
| 4        | EYS10*            | EYS106*                  | 95  | 110                            |
| 5        | EYS012            | EYS0126                  | 200   | 222                            |
| 6        | EYS014            | EYS0146                  | 290   | 315                            |

### For Sealing at Any Angle

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches |        |
|----------|-------------------|--------------------------|---|--------|
|          |                   |                          | Vert.                                       | Horiz. |
| 1/2      | EZS1              | EZS16                    | 6 1/4                                       | 6 1/4  |
| 3/4      | EZS2              | EZS26                    | 6 1/2                                       | 6 1/2  |
| 1        | EZS3              | EZS36                    | 10 1/4                                      | 10 1/4 |
| 1 1/4    | EZS4              | EZS46                    | 12 1/2                                      | 12 1/2 |
| 1 1/2    | EZS5              | EZS56                    | 14 1/2                                      | 14 1/2 |
| 2        | EZS6              | EZS66                    | 46  | 46     |
| 2 1/2    | EZS7              | EZS76                    | 55  | 55     |
| 3        | EZS8              | EZS86                    | 90  | 90     |

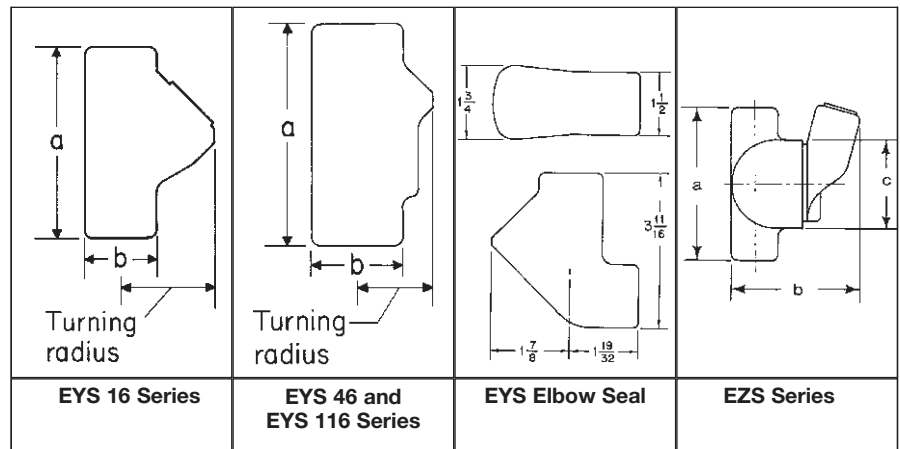
\*Available in copper-free aluminum – to order, add suffix SA to Cat. No.

## EYS



Elbow seal

### Dimensions In Inches



### For Sealing in Vertical Positions

| Hub Size | Cat. # | Approximate Internal Volume in Cubic Inches |
|----------|--------|---|
| 3/4      | EYS29  | 1 3/4                                       |

### EYS Elbow Seal

| Size | a      | b     | Turning Radius (Vertical) |
|------|--------|-------|---------------------------|
| 3/4  | 3 1/16 | 1 3/4 | 1 7/8                     |

### EZS Series

| Size  | a       | b       | c      | Turning Radius† |
|-------|---------|---------|--------|-----------------|
| 1/2   | 4 3/16  | 3 5/8   | 2 1/2  | 1 7/8           |
| 3/4   | 4 9/16  | 3 3/8   | 2 1/2  | 1 7/8           |
| 1     | 4 15/16 | 3 31/32 | 3      | 2 1/8           |
| 1 1/4 | 5 1/16  | 4 13/32 | 3      | 2 5/16          |
| 1 1/2 | 5 3/16  | 4 9/16  | 3 1/4  | 2 11/32         |
| 2     | 7 1/16  | 5 13/32 | 5 1/16 | 3 3/32          |
| 2 1/2 | 7 15/16 | 5 27/32 | 5 3/16 | 3 3/8           |
| 3     | 8 5/8   | 6 1/2   | 5 7/8  | 3 7/8           |

†With cover removed.