

Conduit Sealing Fittings

Chico Sealing Compound and Fiber see pages 155-156

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

6F

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: 1203
- 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:

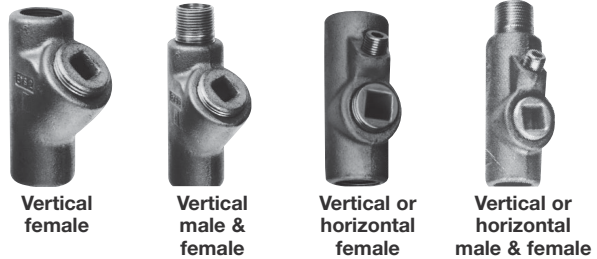
Description
Copper-free aluminum bodies, nipples and enclosures

Suffix SA

Size Ranges:

- 1/2" – 6"

Ordering Information - EYS



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 | | | | EYS 116 Series | | |
|---------------|---------|-------|----------------|----------------|-------|----------------|
| Size | a | b | Turning Radius | a | b | Turning Radius |
| 1/2 | 3 9/32 | 1 1/4 | 1 5/8 | 3 11/16 | 1 1/4 | 1 3/32 |
| 3/4 | 3 11/16 | 1 1/2 | 1 29/32 | 3 11/16 | 1 1/2 | 1 1/4 |
| 1 | 4 5/16 | 1 3/4 | 2 3/8 | 4 5/16 | 1 3/4 | 1 5/8 |

| EYS 46 Series | | | | EYS 116 Series | | |
|---------------|---------|--------|----------------|----------------|--------|----------------|
| Size | a | b | Turning Radius | a | b | Turning Radius |
| 1 1/4 | 5 1/16 | 2 3/16 | 1 23/32 | 5 1/16 | 2 3/16 | 1 23/32 |
| 1 1/2 | 5 1/2 | 2 7/16 | 2 1/16 | 5 1/2 | 2 7/16 | 2 1/16 |
| 2 | 6 1/4 | 3 | 2 5/16 | 6 1/4 | 3 | 2 5/16 |
| 2 1/2 | 7 1/2 | 3 1/2 | 2 11/16 | 7 1/2 | 3 1/2 | 2 11/16 |
| 3 | 8 1/2 | 4 1/4 | 3 5/16 | 8 1/2 | 4 1/4 | 3 5/16 |
| 3 1/2 | 9 3/16 | 4 3/4 | 3 7/16 ‡ | 9 3/16 | 4 3/4 | 3 7/16 ‡ |
| 4 | 9 3/4 | 5 1/4 | 3 11/16 ‡ | 9 3/4 | 5 1/4 | 3 11/16 ‡ |
| 5 | 11 1/16 | 6 1/2 | 4 19/32 ‡ | | | |
| 6 | 12 1/8 | 7 5/8 | 5 11/32 ‡ | | | |

‡With cover removed.

Crouse-Hinds
by **E.T.N**

Conduit Sealing Fittings

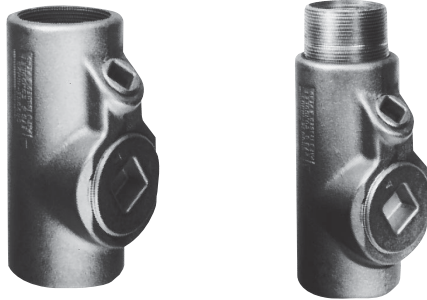
Chico Sealing Compound and Fiber see pages 155-156

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

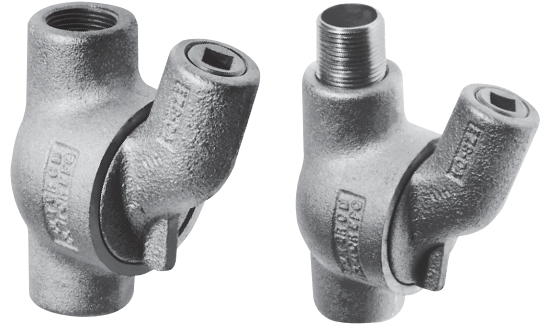
6F

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. |
| 1¼ | EYS4* | EYS46* | 6 | 8 |
| 1½ | EYS5* | EYS56* | 10¾ | 12¼ |
| 2 | EYS6* | EYS66* | 19 | 22¾ |
| 2½ | EYS7* | EYS76* | 25½ | 30 |
| 3 | EYS8* | EYS86* | 56 | 64½ |
| 3½ | EYS9* | EYS96* | 72 | 82 |
| 4 | EYS10* | EYS106* | 95 | 110 |
| 5 | EYS012 | EYS0126 | 200 | 222 |
| 6 | EYS014 | EYS0146 | 290 | 315 |

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

For Sealing at Any Angle

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches | |
|----------|-------------------|--------------------------|---|--------|
| | | | Vert. | Horiz. |
| ½ | EZS1 | EZS16 | 6¼ | 6¼ |
| ¾ | EZS2 | EZS26 | 6½ | 6½ |
| 1 | EZS3 | EZS36 | 10¼ | 10¼ |
| 1¼ | EZS4 | EZS46 | 12½ | 12½ |
| 1½ | EZS5 | EZS56 | 14½ | 14½ |
| 2 | EZS6 | EZS66 | 46 | 46 |
| 2½ | EZS7 | EZS76 | 55 | 55 |
| 3 | EZS8 | EZS86 | 90 | 90 |

EYS

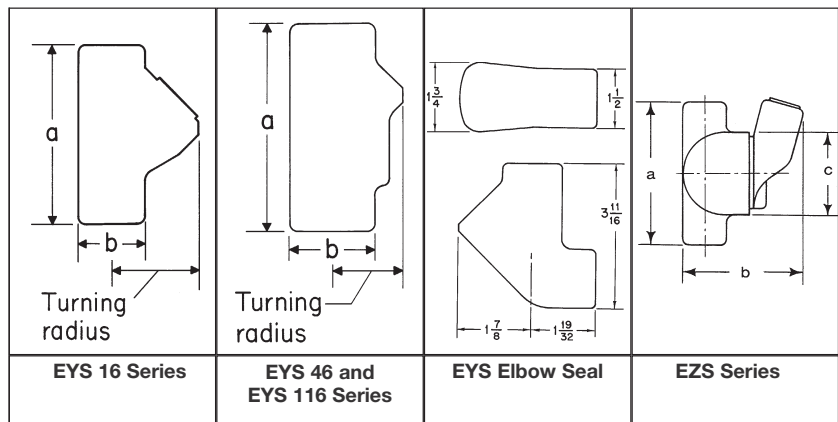


Elbow seal

For Sealing in Vertical Positions

| Hub Size | Cat. # | Approximate Internal Volume in Cubic Inches |
|----------|--------|---|
| ¾ | EYS29 | 1¾ |

Dimensions In Inches



EYS Elbow Seal

| Size | Turning Radius (Vertical) | | |
|------|---------------------------------|----|-------------------------------|
| | a | b | Turning Radius |
| ¾ | 3 ¹¹ / ₁₆ | 1¾ | 1 ⁷ / ₈ |

EZS Series

| Size | Turning Radius† | | | |
|------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|
| | a | b | c | Turning Radius |
| ½ | 4 ⁹ / ₁₆ | 3 ⁵ / ₈ | 2½ | 1 ⁷ / ₈ |
| ¾ | 4 ³ / ₁₆ | 3 ⁵ / ₈ | 2½ | 1 ⁷ / ₈ |
| 1 | 4 ¹⁵ / ₁₆ | 3 ³¹ / ₃₂ | 3 | 2 ¹ / ₈ |
| 1¼ | 5 ¹ / ₁₆ | 4 ¹³ / ₃₂ | 3 | 2 ⁹ / ₁₆ |
| 1½ | 5 ³ / ₁₆ | 4 ⁹ / ₁₆ | 3¼ | 2 ¹¹ / ₃₂ |
| 2 | 7 ¹ / ₁₆ | 5 ¹³ / ₃₂ | 5 ³ / ₁₆ | 3 ³ / ₃₂ |
| 2½ | 7 ¹⁵ / ₁₆ | 5 ²⁷ / ₃₂ | 5 ⁹ / ₁₆ | 3 ³ / ₈ |
| 3 | 8 ⁵ / ₈ | 6½ | 5 ⁷ / ₈ | 3 ⁷ / ₈ |

†With cover removed.

Conduit Sealing Fittings

Chico Sealing Compound and Fiber see pages 155-156

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

6F

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: 1203
- 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:

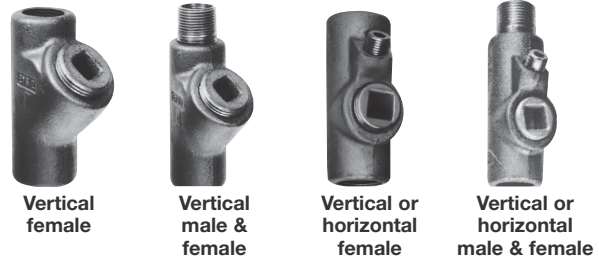
Description
Copper-free aluminum bodies, nipples and enclosures

Suffix
SA

Size Ranges:

- 1/2" – 6"

Ordering Information - EYS



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 | | | | EYS 116 Series | | |
|---------------|---------|-------|----------------|----------------|-------|----------------|
| Size | a | b | Turning Radius | a | b | Turning Radius |
| 1/2 | 3 9/32 | 1 1/4 | 1 5/8 | 3 11/16 | 1 1/4 | 1 3/32 |
| 3/4 | 3 11/16 | 1 1/2 | 1 29/32 | 3 11/16 | 1 1/2 | 1 1/4 |
| 1 | 4 5/16 | 1 3/4 | 2 3/8 | 4 5/16 | 1 3/4 | 1 5/8 |

| EYS 46 Series | | | | EYS 116 Series | | |
|---------------|---------|--------|----------------|----------------|--------|----------------|
| Size | a | b | Turning Radius | a | b | Turning Radius |
| 1 1/4 | 5 1/16 | 2 3/16 | 1 23/32 | 5 1/16 | 2 3/16 | 1 23/32 |
| 1 1/2 | 5 1/2 | 2 7/16 | 2 1/16 | 5 1/2 | 2 7/16 | 2 1/16 |
| 2 | 6 1/4 | 3 | 2 5/16 | 6 1/4 | 3 | 2 5/16 |
| 2 1/2 | 7 1/2 | 3 1/2 | 2 11/16 | 7 1/2 | 3 1/2 | 2 11/16 |
| 3 | 8 1/2 | 4 1/4 | 3 5/16 | 8 1/2 | 4 1/4 | 3 5/16 |
| 3 1/2 | 9 3/16 | 4 3/4 | 3 7/16 ‡ | 9 3/16 | 4 3/4 | 3 7/16 ‡ |
| 4 | 9 3/4 | 5 1/4 | 3 11/16 ‡ | 9 3/4 | 5 1/4 | 3 11/16 ‡ |
| 5 | 11 1/16 | 6 1/2 | 4 19/32 ‡ | | | |
| 6 | 12 1/8 | 7 5/8 | 5 11/32 ‡ | | | |

‡With cover removed.

Crouse-Hinds
by **E.T.N**

Conduit Sealing Fittings

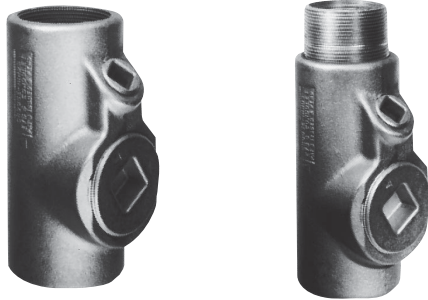
Chico Sealing Compound and Fiber see pages 155-156

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

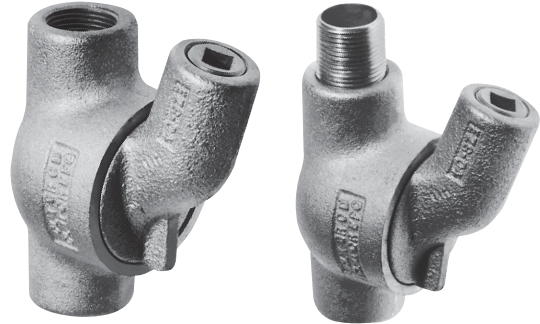
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Ordering Information - EYS



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. |
| 1¼ | EYS4* | EYS46* | 6 | 8 |
| 1½ | EYS5* | EYS56* | 10¾ | 12¼ |
| 2 | EYS6* | EYS66* | 19 | 22¾ |
| 2½ | EYS7* | EYS76* | 25½ | 30 |
| 3 | EYS8* | EYS86* | 56 | 64½ |
| 3½ | EYS9* | EYS96* | 72 | 82 |
| 4 | EYS10* | EYS106* | 95 | 110 |
| 5 | EYS012 | EYS0126 | 200 | 222 |
| 6 | EYS014 | EYS0146 | 290 | 315 |

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

For Sealing at Any Angle

| Hub Size | Female Hub Cat. # | Male & Female Hub Cat. # | Approximate Internal Volume in Cubic Inches | |
|----------|-------------------|--------------------------|---|--------|
| | | | Vert. | Horiz. |
| ½ | EZS1 | EZS16 | 6¼ | 6¼ |
| ¾ | EZS2 | EZS26 | 6½ | 6½ |
| 1 | EZS3 | EZS36 | 10¼ | 10¼ |
| 1¼ | EZS4 | EZS46 | 12½ | 12½ |
| 1½ | EZS5 | EZS56 | 14½ | 14½ |
| 2 | EZS6 | EZS66 | 46 | 46 |
| 2½ | EZS7 | EZS76 | 55 | 55 |
| 3 | EZS8 | EZS86 | 90 | 90 |

EYS

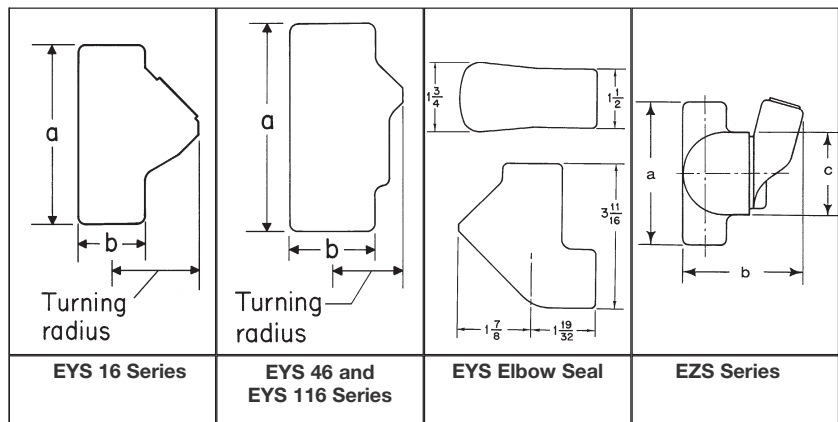


Elbow seal

For Sealing in Vertical Positions

| Hub Size | Cat. # | Approximate Internal Volume in Cubic Inches |
|----------|--------|---|
| ¾ | EYS29 | 1¾ |

Dimensions In Inches



EYS Elbow Seal

| Size | Turning Radius (Vertical) | | |
|------|---------------------------------|----|-------------------------------|
| | a | b | Turning Radius |
| ¾ | 3 ¹¹ / ₁₆ | 1¾ | 1 ⁷ / ₈ |

EZS Series

| Size | Turning Radius† | | | |
|------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|
| | a | b | c | Turning Radius |
| ½ | 4 ⁹ / ₁₆ | 3 ⁵ / ₈ | 2½ | 1 ⁷ / ₈ |
| ¾ | 4 ³ / ₁₆ | 3 ⁵ / ₈ | 2½ | 1 ⁷ / ₈ |
| 1 | 4 ¹⁵ / ₁₆ | 3 ³¹ / ₃₂ | 3 | 2 ¹ / ₈ |
| 1¼ | 5 ¹ / ₁₆ | 4 ¹³ / ₃₂ | 3 | 2 ⁹ / ₁₆ |
| 1½ | 5 ³ / ₁₆ | 4 ⁹ / ₁₆ | 3¼ | 2 ¹¹ / ₃₂ |
| 2 | 7 ¹ / ₁₆ | 5 ¹³ / ₃₂ | 5 ³ / ₁₆ | 3 ³ / ₃₂ |
| 2½ | 7 ¹⁵ / ₁₆ | 5 ²⁷ / ₃₂ | 5 ⁹ / ₁₆ | 3 ³ / ₈ |
| 3 | 8 ⁵ / ₈ | 6½ | 5 ⁷ / ₈ | 3 ⁷ / ₈ |

†With cover removed.