6F 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

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	Suffix
Copper-free aluminum bodies, nipples and enclosures	SA

Size Ranges:

- ½" – 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
½	**EYS1***	**EYS16***	1
¾	**EYS2***	**EYS26***	2
1	**EYS3***	**EYS36***	3¾

For Sealing in Vertical or Horizontal Positions

Hub Size	Female Hub Cat. #	Male & Female Hub Cat. #	Approximate Internal Volume in Cubic Inches	
			Vertical	Horizontal
½	**EYS11***	**EYS116***	1	1
¾	**EYS21***	**EYS216***	2	2
1	**EYS31***	**EYS316***	3	3¾
1¼	**EYS41**	**EYS416**	6	8
1½	**EYS51**	**EYS516**	10¾	12¼
2	**EYS61**	**EYS616**	19	22¾
2½	**EYS71**	**EYS716**	25½	30
3	**EYS81**	**EYS816**	56	64½
3½	**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
½	3 9/32	1 1/4	1 5/8
¾	3 12/16	1 1/2	1 29/32
1	4 5/16	1 3/4	2 3/8

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

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 5/16
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 5/8	5 11/32‡

EYS 116 Series

5 1/16	2 3/16	1 23/32
5 1/2	2 7/16	2 1/16
6 1/4	3	2 5/16
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‡

‡With cover removed.

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Crouse-Hinds by EATON

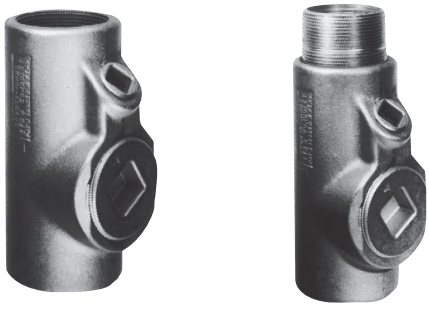
Conduit Sealing Fittings

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

Ordering Information - EYS



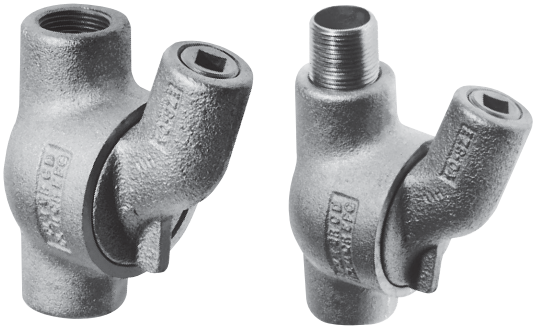
Vertical or horizontal male & female

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.

Ordering Information - EZS



Male & female hub

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

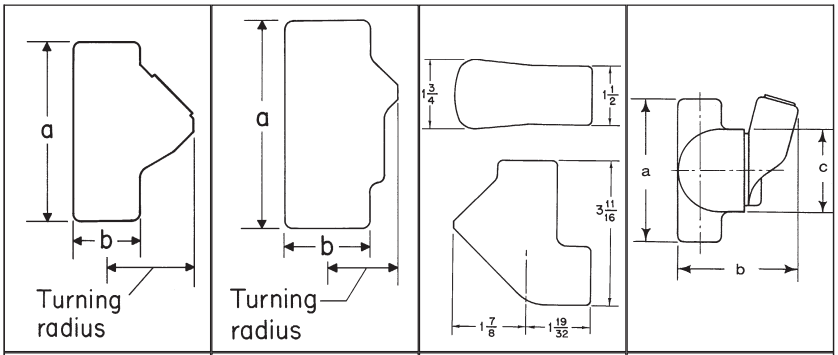
EYS

Elbow seal

For Sealing in Vertical Positions

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

Dimensions
In Inches



EYS 16 Series | EYS 46 and EYS 116 Series | EYS Elbow Seal | EZS Series

EYS Elbow Seal

Size	a	b	Turning Radius (Vertical)
¾	3 11/16	1¾	1⅞

EZS Series

Size	a	b	c	Turning Radius†
½	4 3/16	3⅝	2½	1⅞
¾	4 3/16	3⅝	2½	1⅞
1	4 15/16	3 31/32	3	2⅛
1¼	5 1/16	4 13/32	3	2 5/16
1½	5 3/16	4 9/16	3¼	2 11/32
2	7 1/16	5 13/32	5 3/16	3 9/32
2½	7 15/16	5 27/32	5 3/16	3⅜
3	8⅝	6½	5⅞	3⅞

†With cover removed.

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6F 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

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	Suffix
Copper-free aluminum bodies, nipples and enclosures	SA

Size Ranges:

- ½" – 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
½	**EYS1***	**EYS16***	1
¾	**EYS2***	**EYS26***	2
1	**EYS3***	**EYS36***	3¾

For Sealing in Vertical or Horizontal Positions

Hub Size	Female Hub Cat. #	Male & Female Hub Cat. #	Approximate Internal Volume in Cubic Inches	
			Vertical	Horizontal
½	**EYS11***	**EYS116***	1	1
¾	**EYS21***	**EYS216***	2	2
1	**EYS31***	**EYS316***	3	3¾
1¼	**EYS41**	**EYS416**	6	8
1½	**EYS51**	**EYS516**	10¾	12¼
2	**EYS61**	**EYS616**	19	22¾
2½	**EYS71**	**EYS716**	25½	30
3	**EYS81**	**EYS816**	56	64½
3½	**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
½	3 9/32	1 1/4	1 5/8
¾	3 12/16	1 1/2	1 29/32
1	4 5/16	1 3/4	2 3/8

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

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 5/16
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 5/8	5 11/32‡

EYS 116 Series

5 1/16	2 3/16	1 23/32
5 1/2	2 7/16	2 1/16
6 1/4	3	2 5/16
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‡

‡With cover removed.

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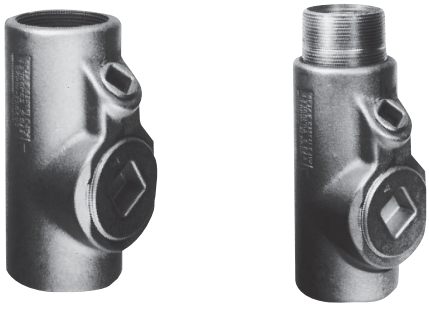
Conduit Sealing Fittings

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

Ordering Information - EYS



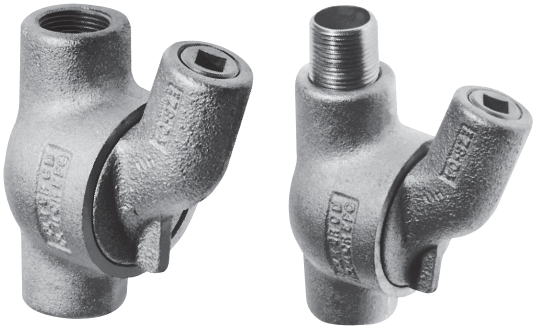
Vertical or horizontal male & female

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.

Ordering Information - EZS



Male & female hub

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

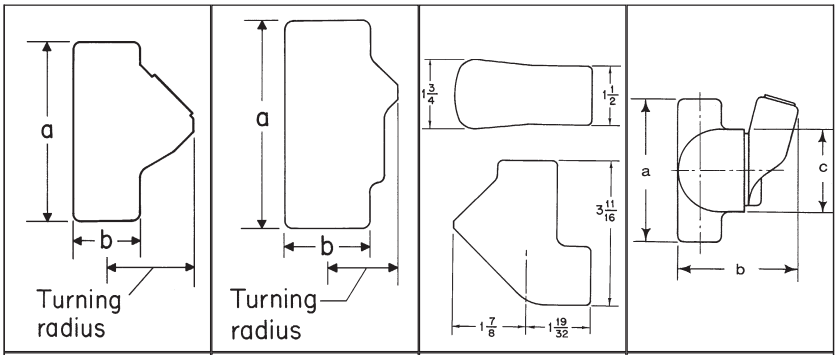
EYS

Elbow seal

For Sealing in Vertical Positions

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

Dimensions
In Inches



EYS 16 Series | EYS 46 and EYS 116 Series | EYS Elbow Seal | EZS Series

EYS Elbow Seal

Size	a	b	Turning Radius (Vertical)
¾	3 11/16	1¾	1⅞

EZS Series

Size	a	b	c	Turning Radius†
½	4 3/16	3⅝	2½	1⅞
¾	4 3/16	3⅝	2½	1⅞
1	4 15/16	3 31/32	3	2⅛
1¼	5 1/16	4 13/32	3	2 5/16
1½	5 3/16	4 9/16	3¼	2 11/32
2	7 1/16	5 13/32	5 3/16	3 9/32
2½	7 15/16	5 27/32	5 3/16	3⅜
3	8⅝	6½	5⅞	3⅞

†With cover removed.

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