

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

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: 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 9/32	1 1/4	1 5/8
3/4	3 12/16	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

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 ‡

‡With cover removed.

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 ‡

Conduit Sealing Fittings

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

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

EYS Elbow Seal

Size	a	b	Turning Radius (Vertical)
¾	3⅛	1¾	1⅞

EZS Series

Size	a	b	c	Turning Radius†
½	4⅜	3⅝	2½	1⅞
¾	4⅞	3⅞	2½	1⅞
1	4⅞	3⅞	3	2⅞
1¼	5⅞	4⅞	3	2⅞
1½	5⅞	4⅞	3¼	2⅞
2	7⅞	5⅞	5⅞	3⅞
2½	7⅞	5⅞	5⅞	3⅞
3	8⅞	6⅞	5⅞	3⅞

†With cover removed.