

## Chico Sealing Compound and Fiber Page 48

### Application:

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.

### 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:

- Copper-free aluminum bodies, nipples and enclosures – add suffix - SA\*

### Size Ranges:

- 1/2" – 6"

### 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  
EYS1-8, 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

## Dimensions

### EYS 16 Series

Size	a	b	Turning Radius
1/2	3 <sup>9</sup> / <sub>32</sub>	1 1/4	1 5/8
3/4	3 <sup>12</sup> / <sub>16</sub>	1 1/2	1 <sup>29</sup> / <sub>32</sub>
1	4 <sup>5</sup> / <sub>16</sub>	1 3/4	2 3/8

### EYS 46 Series

Size	a	b	Turning Radius
1 1/4	5 1/16	2 3/16	1 <sup>23</sup> / <sub>32</sub>
1 1/2	5 1/2	2 <sup>7</sup> / <sub>16</sub>	2 1/16
2	6 1/4	3	2 <sup>5</sup> / <sub>16</sub>
2 1/2	7 1/2	3 1/2	2 <sup>11</sup> / <sub>16</sub>
3	8 1/2	4 1/4	3 <sup>5</sup> / <sub>16</sub>
3 1/2	9 <sup>3</sup> / <sub>16</sub>	4 3/4	3 <sup>7</sup> / <sub>16</sub> †
4	9 <sup>3</sup> / <sub>4</sub>	5 1/4	3 <sup>11</sup> / <sub>16</sub> †
5	11 1/16	6 1/2	4 <sup>19</sup> / <sub>32</sub> †
6	12 1/8	7 5/8	5 <sup>11</sup> / <sub>32</sub> †

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

Explosionproof  
Dust-Ignitionproof

Vertical female



Vertical male & female



Vertical or horizontal female



Vertical or horizontal male & female



## 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 <sup>3</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>4</sub>
2	EYS61	EYS616	19	22 <sup>3</sup> / <sub>4</sub>
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

NOTE: 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.

### EYS 116 Series

a	b	Turning Radius
3 <sup>11</sup> / <sub>16</sub>	1 1/4	1 <sup>5</sup> / <sub>32</sub>
3 <sup>11</sup> / <sub>16</sub>	1 1/2	1 1/4
4 <sup>5</sup> / <sub>16</sub>	1 3/4	1 3/8

a	b	Turning Radius
5 1/16	2 3/16	1 <sup>23</sup> / <sub>32</sub>
5 1/2	2 <sup>7</sup> / <sub>16</sub>	2 1/16
6 1/4	3	2 <sup>5</sup> / <sub>16</sub>
7 1/2	3 1/2	2 <sup>11</sup> / <sub>16</sub>
8 1/2	4 1/4	3 <sup>5</sup> / <sub>16</sub>
9 <sup>3</sup> / <sub>16</sub>	4 3/4	3 <sup>7</sup> / <sub>16</sub> †
9 <sup>3</sup> / <sub>4</sub>	5 1/4	3 <sup>11</sup> / <sub>16</sub> †

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