

**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

Copper-free aluminum bodies, nipples and enclosures

Suffix
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	1¼	1 ⁵ / ₈
¾	3 ¹² / ₁₆	1½	1 ²⁹ / ₃₂
1	4 ⁵ / ₁₆	1¾	2 ³ / ₈

EYS 46 Series

1¼	5 ¹ / ₁₆	2 ³ / ₁₆	1 ²³ / ₃₂
1½	5½	2 ⁷ / ₁₆	2 ¹ / ₁₆
2	6¼	3	2 ⁵ / ₁₆
2½	7½	3½	2 ¹¹ / ₁₆
3	8½	4¼	3 ⁵ / ₁₆
3½	9 ⁹ / ₁₆	4¾	3 ⁷ / ₁₆ ‡
4	9¾	5¼	3 ¹¹ / ₁₆ ‡
5	11 ¹ / ₁₆	6½	4 ¹⁹ / ₃₂ ‡
6	12 ⁷ / ₈	7 ⁵ / ₈	5 ¹¹ / ₃₂ ‡

‡With cover removed.

EYS 116 Series

a	b	Turning Radius
3 ¹¹ / ₁₆	1¼	1 ²³ / ₃₂
3 ¹¹ / ₁₆	1½	1¼
4 ⁵ / ₁₆	1¾	1 ⁵ / ₈

EYS 116 Series

5 ¹ / ₁₆	2 ³ / ₁₆	1 ²³ / ₃₂
5½	2 ⁷ / ₁₆	2 ¹ / ₁₆
6¼	3	2 ⁵ / ₁₆
7½	3½	2 ¹¹ / ₁₆
8½	4¼	3 ⁵ / ₁₆
9 ⁹ / ₁₆	4¾	3 ⁷ / ₁₆ ‡
9¾	5¼	3 ¹¹ / ₁₆ ‡