

Condulet® Sealing Fittings

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

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:

- ½" – 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**
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

Dimensions

EYS 16 Series

Size	a	b	Turning Radius
½	3 ⁹ / ₃₂	1¼	1 ⁵ / ₈
¾	3 ¹⁹ / 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	12½	7¾	5 ¹¹ / ₃₂ ‡

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
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

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 ¹¹ / ₁₆	1¼	1 ⁵ / ₃₂
3 ¹ / ₁₆	1½	1¼
4 ⁵ / ₁₆	1¾	1 ³ / ₈
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 ‡

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

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Explosionproof
 Dust-Ignitionproof

Vertical or horizontal male & female



EYS

For Sealing in Vertical or Horizontal Positions

Hub Size	Male & Female Hub		Approximate Internal Volume in Cubic Inches [†]	
	Female Hub Cat. #	Male Hub Cat. #	Vertical	Horizontal
1 1/4	EYS4*	EYS46*	6	8
1 1/2	EYS5*	EYS56*	10 3/4	12 1/4
2	EYS6*	EYS66*	19	22 3/4
2 1/2	EYS7*	EYS76*	25 1/2	30
3	EYS8*	EYS86*	56	64 1/2
3 1/2	EYS9*	EYS96*	72	82
4	EYS10*	EYS106*	95	110
5	EYS012	EYS0126	200	222
6	EYS014	EYS0146	290	315

Elbow seal



EYS

Elbow Seal - For Sealing in Vertical Positions

Hub Size	Cat. #	Approximate Internal Volume in Cubic Inches
3/4	EYS29	1 1/4

Male & Female hub



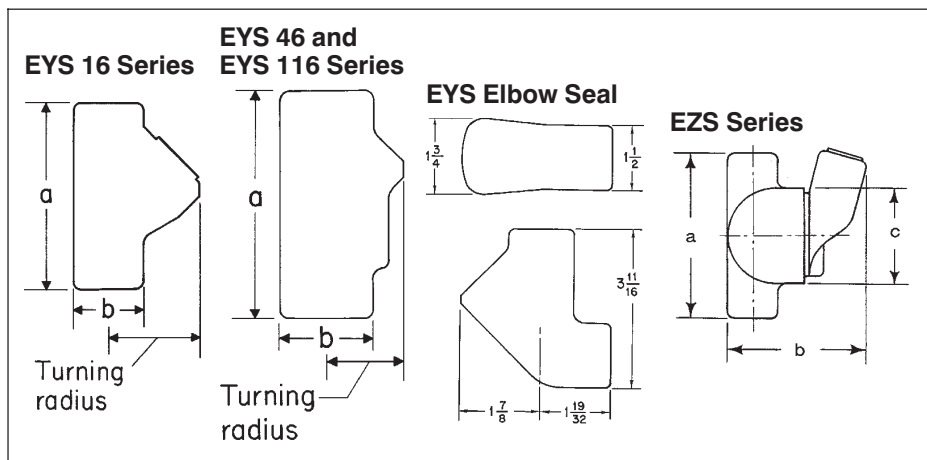
EZS

For Sealing at Any Angle

Hub Size	Male & Female Hub		Approximate Internal Volume in Cubic Inches	
	Female Hub Cat. #	Male Hub Cat. #	Vertical	Horizontal
1/2	EZS1	EZS16	6 1/4	6 1/4
3/4	EZS2	EZS26	6 1/2	6 1/2
1	EZS3	EZS36	10 1/4	10 1/4
1 1/4	EZS4	EZS46	12 1/2	12 1/2
1 1/2	EZS5	EZS56	14 1/2	14 1/2
2	EZS6	EZS66	46	46
2 1/2	EZS7	EZS76	55	55
3	EZS8	EZS86	90	90

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

Dimensions



EYS Elbow Seal

Size	a	b	Turning Radius (Vertical)
3/4	3 11/16	1 3/4	1 7/8

EZS Series

Size	a	b	c	Turning Radius†
1/2	4 3/16	3 5/8	2 1/2	1 7/8
3/4	4 3/16	3 5/8	2 1/2	1 7/8
1	4 15/16	3 31/32	3	2 1/8
1 1/4	5 1/16	4 13/32	3	2 5/16
1 1/2	5 3/16	4 9/16	3 1/4	2 11/32
2	7 1/16	5 13/32	5 3/16	3 3/32
2 1/2	7 15/16	5 27/32	5 3/16	3 3/8
3	8 9/8	6 1/2	5 7/8	3 7/8

† With cover removed.