

EYSX expanded fill sealing fittings

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

Explosionproof
Dust-ignitionproof

Applications:

EYSX expanded fill 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 pre-compression or "pressure piling" in conduit systems
- Provide 40% wire fill capacity to allow uninterrupted runs in a conduit system

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 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 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 2 hazardous locations

Features:

EYSX expanded fill sealing fittings provide:

- A 40% wire fill capacity for expanded fill sealing
- 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
- Minimum turning radius

EYSX expanded fill sealing fittings are available for installation in both horizontal or vertical positions.

Certifications and compliances:

NEC/CEC:

EYSX11 - EYSX61

- Class I, Divisions 1 & 2, Groups A, B, C, D
- Class II, Divisions 1 & 2, Groups E, F, G
- Class III

EYSX1 SA - EYSX8 SA

- Class I, Divisions 1 & 2, Groups C, D
- Class II, Divisions 1 & 2, Groups E, F, G

UL standard:

- UL1203

CSA standard:

- C22.2 No. 30

Standard materials:

- Bodies – Feraloy iron alloy and/or ductile iron or copper-free aluminum (with suffix SA)
- Closures – Feraloy iron alloy and/or steel or copper-free aluminum (with suffix SA)

Standard finishes:

- Feraloy iron alloy and ductile iron – electrogalvanized and aluminum acrylic paint
- Steel – electrogalvanized
- Copper-free aluminum – natural

Ordering information:

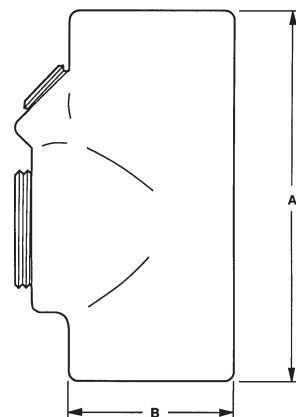
For sealing in vertical or horizontal positions

Hub size	Cat. # Female hub	Internal volume in cubic inches	
		Vertical	Horizontal
1/2"	EYSX11 [Ⓑ]	2	2
1/2"	EYSX1 SA	2	2
3/4"	EYSX21 [Ⓑ]	3	3 3/4
3/4"	EYSX2 SA	3	3 3/4
1"	EYSX31	6	8
1"	EYSX3 SA	6	8
1 1/4"	EYSX41	19	22 3/4
1 1/2"	EYSX51	19	22 3/4
1 1/2"	EYSX5 SA	19	22 3/4
2"	EYSX61	56	64 1/2
2"	EYSX6 SA	56	64 1/2
2 1/2"	EYSX71	72	82
2 1/2"	EYSX7 SA	72	82
3"	EYSX81	95	110
3"	EYSX8 SA	95	110
3 1/2"	EYSX9 [Ⓒ]	200	222
4"	EYSX10 [Ⓑ]	200	222



Vertical or horizontal female

Dimensions (in inches):



Hub size	A	B	Turning radius
1/2"	3 11/16	1 1/2	1 1/4
3/4"	4 5/16	1 3/4	1 3/8
1"	5 1/16	2 3/16	1 25/32
1 1/4"	6 1/4	3	2 2/16
1 1/2"	6 1/4	3	2 2/16
2"	8 1/2	4 1/4	3 7/16
2 1/2"	9 3/16	4 3/4	3 7/16
3"	9 3/4	5 1/4	3 11/16
3 1/2"	11 1/16	6 1/2	4 19/32
4"	11 1/16	6 1/2	4 19/32

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.

[Ⓐ] See Certifications and compliances section for classification of each product.

[Ⓑ] Feraloy.

[Ⓒ] With plug cover removed.