

Flameproof Glands

E1XF EEx d IIC & EEx e II Brass Gland 473AA Series



Application

- > For wire braid cable

Features & Benefits

- > Brass indoor and outdoor cable gland for use in hazardous areas
- > Suitable for circular, wire braid armour cables with extruded polymeric bedding & oversheath
- > Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- > Three part armour lock provides mechanical cable retention and electrical continuity
- > Inner seal grips cable bedding and provides additional ingress protection
- > Suitable for most climatic conditions – weatherproof and waterproof
- > Nickel plated versions also available
- > Matching accessory kits available



Technical Data

- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC
- > IECEx SIR 10.0071x
- > Certificate number Sira02ATEX3092X

> Applied Standards:

- IEC 60079-0: 2004
- IEC 60079-1: 2007-04
- IEC 60079-7: 2006-07
- IEC 61241-0: 2004
- IEC 61241-1: 2004
- EN 60079-0: 2006
- EN 60079-1: 2007
- EN 60079-7: 2007
- EN 61241-0: 2006
- EN 61241-1: 2004

- > Service temperature -60°C to +90°C

> May be used in:

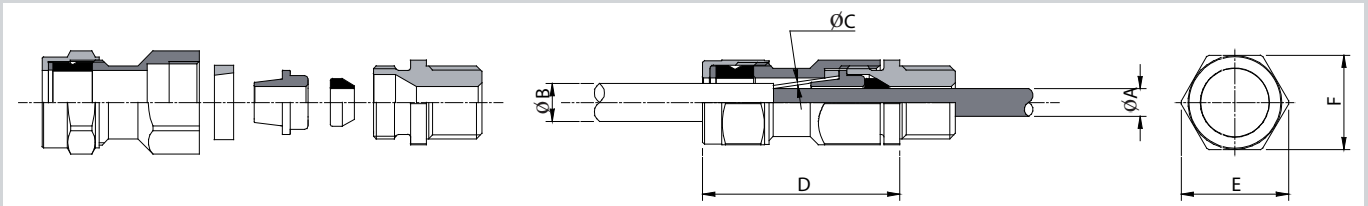
- Zones 0, 1 & 2 with EEx ia IIA, B & C equipment
- Zones 1 & 2 with EEx ib IIA, b & C equipment
- Zones 1 & 2 with EEx e II equipment
- Zone 2 with EEx nA II equipment
- Zones 21 & 22 with Extd A21 IP66

> Where the cable is effectively filled, may also be used in:

- Zones 1 & 2 with EEx d IIC equipment not containing a source of ignition & with a volume less than 2000cm³
- Zones 1 & 2 with EEx d IIA & EEx d IIB equipment not containing a source of ignition & with any volume
- Zone 1 with EEx d IIA & EEx d IIB equipment containing a source of ignition & with a volume less than 2000cm³
- Zone 2 with EEx d IIA & EEx d IIB equipment containing a source of ignition with any volume
- Zone 2 with EEx nR II equipment



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Gland Details

Basic Size	Gland References & Thread Sizes				Cable Dimensions mm						Gland Dimensions mm		
	Design No.	Metric Thread Size *	Design No.	NPT Thread Size	Inner Sheath Dia. 'A'		Overall Dia. 'B'		Braid Wire Dia. 'C'	Approx. Length 'D'	Hexagon Size		
					Min	Max	Min	Max			A/C 'E'	A/F 'F'	
16	473AA51	M16 × 1.5	473NP03	½" - 14 NPT	3.81	8.74	8.0	13.2	0.2 / 0.3	41	26.7	23.4	
20SS	473AA71	M20 × 1.5			3.81	8.74	8.0	13.2	0.2 / 0.3	41	26.7	23.4	
20S	473AA52	M20 × 1.5	473NP04	½" - 14 NPT	8.00	11.79	8.0	15.8	0.2 / 0.3	43	29.2	25.7	
20S			473NP07	¾" - 14 NPT	8.00	11.79	8.0	15.8	0.2 / 0.3	43	31.8	27.9	
20	473AA53	M20 × 1.5	473NP05	½" - 14 NPT	11.79	14.15	11.7	20.8	0.2 / 0.3	43	34.0	30.5	
20			473NP08	¾" - 14 NPT	11.79	14.15	11.7	20.8	0.2 / 0.3	43	34.0	30.5	
25	473AA55	M25 × 1.5	473NP10	¾" - 14 NPT	14.00	20.12	17.0	27.2	0.2 / 0.45	48	42.2	37.6	
25			473NP14	1" - 11½ NPT	14.00	20.12	17.0	27.2	0.2 / 0.45	48	42.2	37.6	
32	473AA56	M32 × 1.5	473NP15	1" - 11½ NPT	19.70	26.55	23.5	33.5	0.3 / 0.45	53	53.6	47.2	
32			473NP20	1¼" - 11½ NPT	19.70	26.55	23.5	33.5	0.3 / 0.45	53	53.6	47.2	
40	473AA57	M40 × 1.5	473NP21	1¼" - 11½ NPT	26.55	32.42	29.0	39.9	0.3 / 0.45	56	61.5	56.4	
40			473NP27	1½" - 11½ NPT	26.55	32.42	29.0	39.9	0.3 / 0.45	56	61.5	56.4	
50S	473AA58	M50 × 1.5	473NP28	1½" - 11½ NPT	32.42	38.39	38.0	46.2	0.3 / 0.45	61	66.0	60.0	
50	473AA59	M50 × 1.5	473NP32	2" - 11½ NPT	38.39	44.33	39.5	52.6	0.3 / 0.45	61	77.2	70.1	
63S	473AA60	M63 × 1.5	473NP33	2" - 11½ NPT	44.33	50.27	50.0	58.9	0.3 / 0.45	64	83.0	75.0	
63	473AA61	M63 × 1.5	473NP38	2½" - 8 NPT	50.27	56.24	51.3	65.3	0.3 / 0.45	64	87.4	80.0	
75S	473AA62	M75 × 1.5			56.24	62.18	62.0	71.6	0.3 / 0.45	73	99.1	90.2	
75S			473NP44	3" - 8 NPT	56.24	62.18	62.0	71.6	0.3 / 0.45	73	109.2	98.8	
75	473AA63	M75 × 1.5	473NP45	3" - 8 NPT	62.18	68.13	62.5	78.0	0.3 / 0.45	73	109.2	98.8	
85	473AA64	M85 × 2			68.00	74.00	68.0	88.0	0.3 / 0.45	102	126.0	115.1	

* 1.5mm Pitch threads are supplied 15mm long, 2mm pitch threads are supplied 20mm long