

# Flameproof Glands

## E1WF EEx d IIC & EEx e II Brass Gland 472AA Series



### Application

- > For steel wire armoured cable

### Features & Benefits

- > Brass indoor and outdoor cable gland for use in hazardous areas
- > Suitable for circular, galvanised steel wire armour cables with extruded polymeric bedding and 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 PCP 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

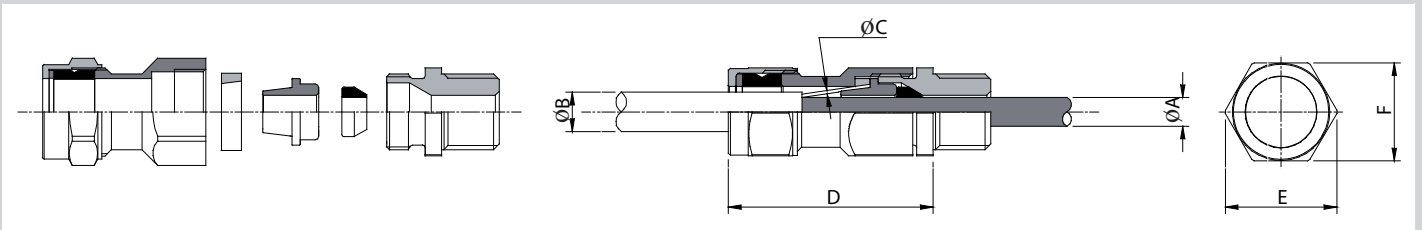


### Technical Data

- > Certified II 2GD, EEx e II d IIC under ATEX directive 94/9/EC
- > IEECx 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 range -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
  - Zones 2 with EEx nA II equipment
  - Zone 21 & 22 with Ex tD 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 2000cm<sup>3</sup>
  - 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 2000cm<sup>3</sup>
  - 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	472AA51	M16 × 1.5	472NP03	½" - 14 NPT	3.81	8.74	8.0	13.2	0.9	41	26.7	23.4
20SS	472AA71	M20 × 1.5			3.81	8.74	8.0	13.2	0.9	41	26.7	23.4
20S	472AA52	M20 × 1.5	472NP04	½" - 14 NPT	8.00	11.79	8.0	15.8	0.9 / 1.4	43	29.2	25.7
20S			472NP07	¾" - 14 NPT	8.00	11.79	8.0	15.8	0.9 / 1.4	43	31.8	27.9
20	472AA53	M20 × 1.5	472NP05	½" - 14 NPT	11.79	14.15	11.7	20.8	0.9 / 1.4	43	34.0	30.5
20			472NP08	¾" - 14 NPT	11.79	14.15	11.7	20.8	0.9 / 1.4	43	34.0	30.5
25	472AA55	M25 × 1.5	472NP10	¾" - 14 NPT	14.00	20.12	17.0	27.2	1.25 / 1.6	48	42.2	37.6
25			472NP14	1" - 11½ NPT	14.00	20.12	17.0	27.2	1.25 / 1.6	48	42.2	37.6
32	472AA56	M32 × 1.5	472NP15	1" - 11½ NPT	19.70	26.55	23.5	33.5	1.6 / 2.0	53	53.6	47.2
32			472NP20	1¼" - 11½ NPT	19.70	26.55	23.5	33.5	1.6 / 2.0	53	53.6	47.2
40	472AA57	M40 × 1.5	472NP21	1¼" - 11½ NPT	26.55	32.42	29.0	39.9	1.6 / 2.0	56	61.5	56.4
40			472NP27	1½" - 11½ NPT	26.55	32.42	29.0	39.9	1.6 / 2.0	56	61.5	56.4
50S	472AA58	M50 × 1.5	472NP28	1½" - 11½ NPT	32.42	38.39	38.0	46.2	2.0 / 2.5	61	66.0	60.0
50S			472NP31	2" - 11½ NPT	32.42	38.39	38.0	46.2	2.0 / 2.5	61	72.1	65.5
50	472AA59	M50 × 1.5	472NP32	2" - 11½ NPT	38.39	44.33	39.5	52.6	2.0 / 2.5	61	77.2	70.1
63S	472AA60	M63 × 1.5	472NP33	2" - 11½ NPT	44.33	50.27	50.0	58.9	2.5	64	83.0	75.0
63	472AA61	M63 × 1.5	472NP38	2½" - 8 NPT	50.27	56.24	51.3	65.3	2.5	64	87.4	80.0
75S	472AA62	M75 × 1.5	472NP39	2½" - 8 NPT	56.24	62.18	62.0	71.6	2.5	73	99.1	90.2
75	472AA63	M75 × 1.5	472NP45	3" - 8 NPT	62.18	68.13	62.5	78.0	2.5	73	109.2	98.8
85	472AA64	M80 × 2	472NP47	3" - 8 NPT	68.00	74.00	68.0	88.0	3.15	102	126.0	115.1

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