Explosion Proof 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 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
> Certificate number Sira02ATEX3092X
> 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 1 & 2 with EEx p II equipment
    - Zones 2 with EEx nA II equipment
    - Zone 21 & 22 with EEx tD II equipment
> 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

Prysmian Cables & Systems Limited, Components Unit, Oak Road, Wrexham Industrial Estate, Wrexham, LL13 9HP, UK
Commercial Enquiries, Tel +44 (0) 845 767 8345, Fax: +44 (0) 23 8029 5465
www.prysmian.co.uk

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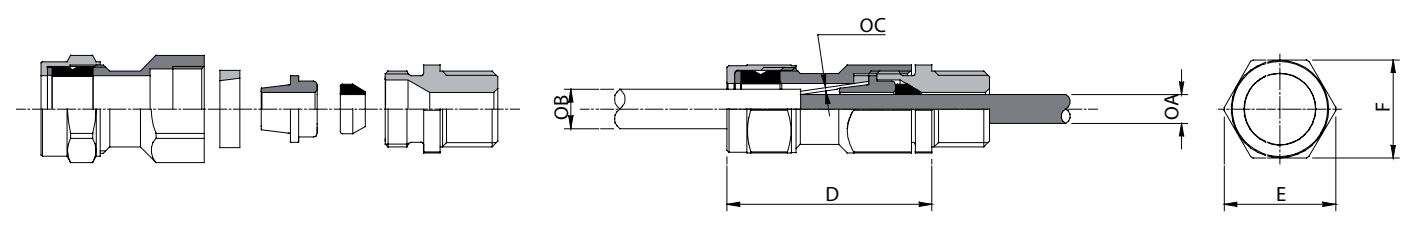

Gland Details

Gland References & Thread Sizes					Cable Dimensions mm					Gland Dimensions mm		
Basic Size	Metric		NPT		Inner Sheath Dia. 'A'		Overall Dia. 'B'		Max Armour Thickness 'C'	Approx Length 'D'	Hexagon Size	
	Design No.	Thread Size *	Design No.	Thread 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	8.0	11.79	8.0	15.8	0.9 / 1.4	43	29.2	25.7
20S			472NP07	¾" - 14 NPT	8.0	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	14.0	20.12	17.0	27.2	1.25 / 1.6	48	42.2	37.6
25			472NP14	1" - 11½ NPT	14.0	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	M85 × 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

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