

Explosion Proof Glands

RTL F EEx d IIC & EEx e II Brass Gland 475AA Series



Application

Features & Benefits



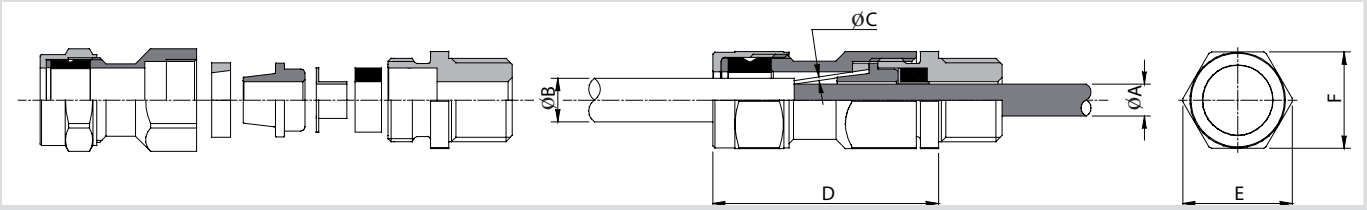
Technical Data

- > For OCMA and EEMUA Steel Wire Armoured Lead Cable
- > Brass indoor and outdoor cable gland for use in hazardous areas
- > Suitable for circular, galvanised steel single wire armour cables with extruded polymeric oversheath and lead inner sheath
- > 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
- > Lead inner seal provides continuity to lead sheath and additional ingress protection
- > Suitable for most climatic conditions – weatherproof and waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC
- > Certificate number Sira02ATEX1212X
- > 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
 - Zone 2 with EEx nA II equipment
 - Zones 21 & 22 with EEx tD II equipment
- > Where the cable is effectively filled and the explosive reference pressure of the enclosure is less than 10 bar, may also be used in:
 - Zones 1 & 2 with EEx d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³
 - 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 2000 cm³
 - 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	Glands References & Thread Sizes				Cable Dimensions mm					Gland dimensions mm		
	Metric		NPT		Lead Sheath Dia. 'A'		Overall Dia 'B'		Armour Wire Dia. 'C'	Approx. Length 'D'	Hexagon Size	
	Design No.	Thread Size *	Design No.	Thread Size	Min	Max	Min	Max			A/C 'E'	A/F 'F'
20S	475AA51	M20 × 1.5	†	½" - 14 NPT	7.0	9.5	8.0	15.8	0.9 / 1.4	53	29.2	25.7
20S			†	¾" - 14 NPT	7.0	9.5	8.0	15.8	0.9 / 1.4	53	31.8	27.9
20	475AA52	M20 × 1.5	†	½" - 14 NPT	8.0	12.0	11.7	20.8	0.9 / 1.4	56	34.0	30.5
20			†	¾" - 14 NPT	8.0	12.0	11.7	20.8	0.9 / 1.4	56	34.0	30.5
25S	475AA53	M25 × 1.5	†	¾" - 14 NPT	11.0	14.0	17.0	27.2	1.25 / 1.6	57	42.2	37.6
25	475AA54	M25 × 1.5	†	¾" - 14 NPT	13.5	17.0	17.0	27.2	1.25 / 1.6	57	42.2	37.6
25			†	1" - 11½ NPT	13.5	17.0	17.0	27.2	1.25 / 1.6	57	42.2	37.6
32S	475AA55	M32 × 1.5	†	1" - 11½ NPT	15.5	19.5	23.5	33.5	1.6 / 2.0	69	53.6	47.3
32S			†	1¼" - 11½ NPT	15.5	19.5	23.5	33.5	1.6 / 2.0	69	53.6	47.3
32	475AA56	M32 × 1.5	†	1" - 11½ NPT	18.5	23.2	23.5	33.5	1.6 / 2.0	69	53.6	47.3
32			†	1¼" - 11½ NPT	18.5	23.2	23.5	33.5	1.6 / 2.0	69	53.6	47.3
40	475AA57	M40 × 1.5	†	1¼" - 11½ NPT	23.0	29.0	29.0	39.9	1.6 / 2.0	69	61.5	56.4
40			†	1½" - 11½ NPT	23.0	29.0	29.0	39.9	1.6 / 2.0	69	61.5	56.4
50SA	475AA58	M50 × 1.5	†	1½" - 11½ NPT	28.5	31.5	38.0	46.2	2.0 / 2.5	72	66.0	60.0
50S	475AA59	M50 × 1.5	†	1½" - 11½ NPT	30.5	33.5	38.0	46.2	2.0 / 2.5	72	66.0	60.0
50S			†	2" - 11½ NPT	30.5	33.5	38.0	46.2	2.0 / 2.5	72	66.0	60.0
50A	475AA60	M50 × 1.5	†	2" - 11½ NPT	33.0	38.0	39.5	52.6	2.0 / 2.5	78	77.2	70.1
50	475AA61	M50 × 1.5	†	2" - 11½ NPT	37.0	40.0	39.5	52.6	2.0 / 2.5	78	77.2	70.1
63SA	475AA62	M63 × 1.5	†	2½" - 8 NPT	39.5	43.5	50.0	58.9	2.5	78	83.0	75.0
63S	475AA63	M63 × 1.5	†	2½" - 8 NPT	42.5	45.5	50.0	58.9	2.5	78	83.0	75.0
63A	475AA64	M63 × 1.5	†	2½" - 8 NPT	45.0	49.8	51.3	65.3	2.5	84	87.4	80.0
63	475AA65	M63 × 1.5	†	2½" - 8 NPT	48.8	51.8	51.3	65.3	2.5	84	87.4	80.0
75SA	475AA66	M75 × 1.5	†	3" - 8 NPT	51.5	56.5	62.0	71.6	2.5	85	99.1	90.2
75S	475AA67	M75 × 1.5	†	3" - 8 NPT	55.5	58.5	62.0	71.6	2.5	85	99.1	90.2
75A	475AA68	M75 × 1.5	†	3" - 8 NPT	58.0	62.0	62.5	78.0	2.5	92	109.2	98.8
75	475AA69	M75 × 1.5	†	3" - 8 NPT	61.0	64.0	62.5	78.0	2.5	92	109.2	98.8

† NPT versions available subject to minimum order quantities

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