

Flameproof Glands

E1WF EEx d IIC & EEx e II Aluminium Gland 455 Series



Application

- > For aluminium wire armoured cable

Features & Benefits

- > Aluminium indoor and outdoor cable gland for use in hazardous areas
- > Suitable for circular, aluminium 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
- > Matching accessory kits available

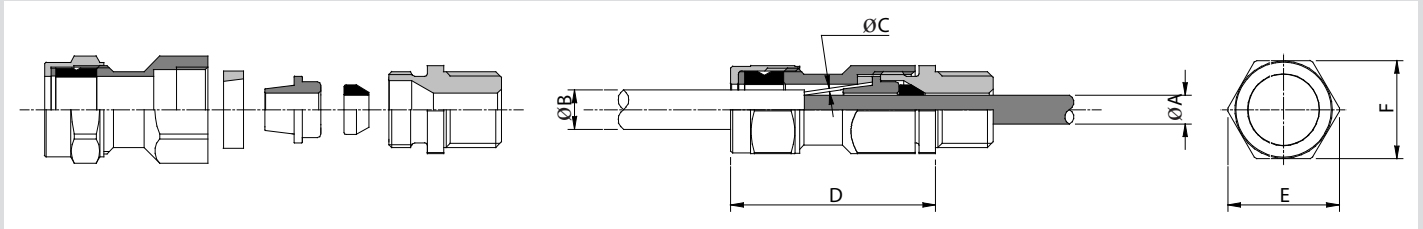


Technical Data

- > 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



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Gland Details

Basic Size	Gland References & Thread Sizes				Cable Dimensions mm					Gland Dimensions mm		
	Metric		NPT		Inner Sheath Dia. 'A'		Overall Dia. 'B'		Braid 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'
16	455AA51	M16 × 1.5	455NP03	½" - 14 NPT	3.81	8.74	8.0	13.2	0.9	41	26.7	23.4
20SS	455AA71	M20 × 1.5			3.81	8.74	8.0	13.2	0.9	41	26.7	23.4
20S	455AA52	M20 × 1.5	455NP04	½" - 14 NPT	8.00	11.79	8.0	15.8	0.9 / 1.4	43	29.2	25.7
20S			455NP07	¾" - 14 NPT	8.00	11.79	8.0	15.8	0.9 / 1.4	43	31.8	27.9
20	455AA53	M20 × 1.5	455NP05	½" - 14 NPT	11.79	14.15	11.7	20.8	0.9 / 1.4	43	34.0	30.5
20			455NP08	¾" - 14 NPT	11.79	14.15	11.7	20.8	0.9 / 1.4	43	34.0	30.5
25	455AA55	M25 × 1.5	455NP10	¾" - 14 NPT	14.00	20.12	17.0	27.2	1.25 / 1.6	48	42.2	37.6
25			455NP14	1" - 11½ NPT	14.00	20.12	17.0	27.2	1.25 / 1.6	48	42.2	37.6
32	455AA56	M32 × 1.5	455NP15	1" - 11½ NPT	19.70	26.55	23.5	33.5	1.6 / 2.0	53	53.6	47.2
32			455NP20	1¼" - 11½ NPT	19.70	26.55	23.5	33.5	1.6 / 2.0	53	53.6	47.2
40	455AA57	M40 × 1.5	455NP21	1¼" - 11½ NPT	26.55	32.42	29.0	39.9	1.6 / 2.0	56	61.5	56.4
40			455NP27	1½" - 11½ NPT	26.55	32.42	29.0	39.9	1.6 / 2.0	56	61.5	56.4
50S	455AA58	M50 × 1.5	455NP28	1½" - 11½ NPT	32.42	38.39	38.0	46.2	2.0 / 2.5	61	66.0	60.0
50S			455NP31	2" - 11½ NPT	32.42	38.39	38.0	46.2	2.0 / 2.5	61	72.1	65.5
50	455AA59	M50 × 1.5	455NP32	2" - 11½ NPT	38.39	44.33	39.5	52.6	2.0 / 2.5	61	77.2	70.1
63S	455AA60	M63 × 1.5	455NP33	2" - 11½ NPT	44.33	50.27	50.0	58.9	2.5	64	83.0	75.0
63	455AA61	M63 × 1.5	455NP38	2½" - 8 NPT	50.27	56.24	51.3	65.3	2.5	64	87.4	80.0
75S	455AA62	M75 × 1.5	455NP39	2½" - 8 NPT	56.24	62.18	62.0	71.6	2.5	73	99.1	90.2
75	455AA63	M75 × 1.5	455NP45	3" - 8 NPT	62.18	68.13	62.5	78.0	2.5	73	109.2	98.8
85	455AA64	M85 × 2	455NP47	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