Explosion Proof Glands

Excel Plus EEx d IIC & EEx e II Brass Gland

BICON

Application

Features & Benefits

Technical Data

> Excel Plus EEx d IIC & EEx e II Delugh Proof Gland

> Brass indoor and outdoor cable gland for use in hazardous areas

> Suitable for circular cables with braid, tape or wire armour and extruded polymeric bedding & oversheath

> Achieves IP67 and deluge proof (DTS01:1991) seal onto cable and to enclosure with sealing washer supplied or thread sealant

> Three part armour lock provides mechanical cable retention and electrical continuity

> Diaphragm inner seal compatible with soft bedding materials that may be subject to 'cold-flow'

> Suitable for most climatic conditions – weatherproof, waterproof and deluge proof

> 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 Sira01ATEX1032X

> Service temperature range –20°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, 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 cm^3
- 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 cm^3
- 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

> CSA certified Ex d IIC & Ex e II, CSA Enclosure Type 4X, AEx d IIC & AEx e II, NEMA 4X

C SA US

Ex

CE

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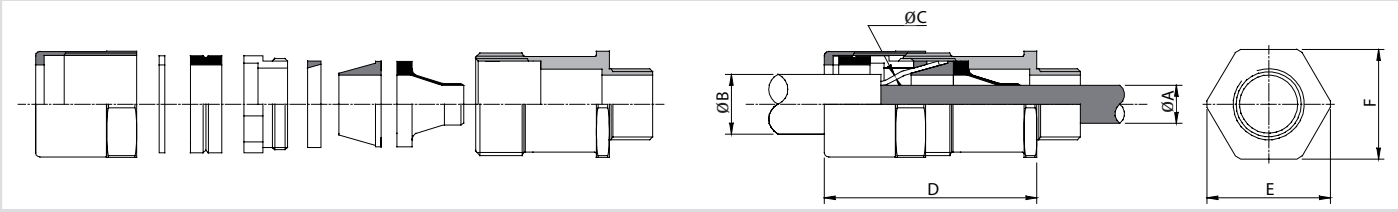
PRYSMIAN CABLES & SYSTEMS

Excel Plus EEx d IIC & EEx e II Brass Gland



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	493AB51	M16 × 1.5	493NE03	½" - 14 NPT	4.0	9.0	8.0	16.0	1.25	73	28.7	25.7
20SS	493AB71	M20 × 1.5			4.0	9.0	8.0	16.0	1.25	73	28.7	25.7
20SS			493NE06	¾" - 14 NPT	4.0	9.0	8.0	16.0	1.25	73	32.1	27.9
20S	493AB52	M20 × 1.5	493NE04	½" - 14 NPT	7.0	12.0	9.0	16.0	1.25	68	31.8	27.8
20S			493NE07	¾" - 14 NPT	7.0	12.0	9.0	16.0	1.25	68	31.8	27.8
20	493AB53	M20 × 1.5			8.0	14.4	11.5	21.0	1.25	76	36.9	33.0
20			493NE08	¾" - 14 NPT	8.0	14.4	11.5	21.0	1.25	76	36.9	33.0
25	493AB55	M25 × 1.5			10.5	20.2	18.5	27.5	1.6	76	42.2	37.6
25			493NE14	1" - 11½ NPT	10.5	20.2	18.5	27.5	1.6	76	42.2	37.6
32	493AB56	M32 × 1.5			15.5	26.5	21.0	34.0	2.0	86	53.6	47.2
32			493NE20	1¼" - 11½ NPT	15.5	26.5	21.0	34.0	2.0	86	53.6	47.2
40	493AB57	M40 × 1.5			23.0	32.5	31.0	41.5	2.0	90	61.5	56.4
40			493NE27	1½" - 11½ NPT	23.0	32.5	31.0	41.5	2.0	90	63.1	56.4
50	493AB59	M50 × 1.5	493NE32	2" - 11½ NPT	28.5	44.5	36.0	52.5	2.5	111	77.2	70.0
63	493AB61	M63 × 1.5	493NE38	2½" - 8 NPT	44.0	56.5	50.0	65.5	2.5	112	87.4	80.0
75	493AB63	M75 × 1.5	493NE45	3" - 8 NPT	53.0	68.5	59.0	78.0	2.5	130	109.2	98.8

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

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