

# Flameproof Glands

## Excel Plus EEx d IIC & EEx e II Brass Gland

# BICON

### Application

### Features & Benefits

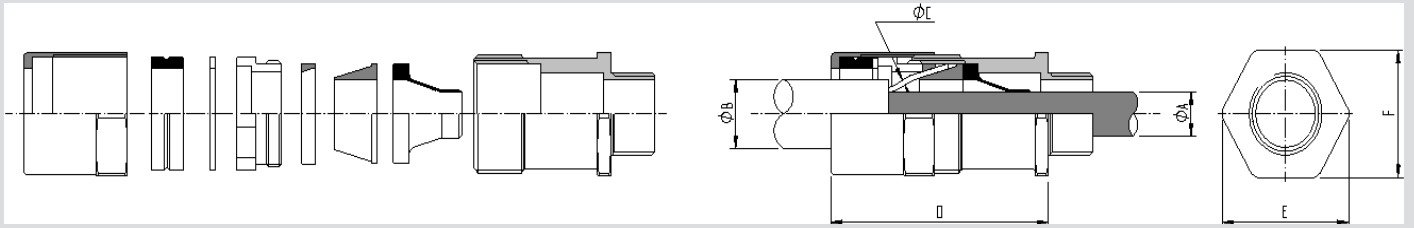


### Technical Data

- > Excel Plus EEx d IIC & EEx e II Deluge 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<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 2000 cm<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
- > CSA certified Ex d IIC & Ex e II, CSA Enclosure Type 4X, AEx d IIC & AEx e II, NEMA 4X



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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'		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