



Cable Gland Type 501/414



Flameproof and Increased Safety

CABLE GLAND SELECTION TABLE

Size Ref.	Male Entry Thread Size		Female Entry Thread Size		Cable Acceptance Details				'G'	Hexagon Dimensions			
	Metric	NPT* Std./Option	Metric	NPT #	Outer Sheath 'B'		Standard Seal			Min.	Max.	Across Flats	Across Corners
					Min.	Max.	Min.	Max.					
Os	M20 ²	½"	M20	-	3.0	8.0	-	-	69.0	24.0	27.7		
O	M20 ²	½"	M20	-	7.5	11.9	-	-	69.0	24.0	27.7		
A	M20	¾"/½"	M20	-	11.0	14.3	8.5	13.4	69.0	30.0	34.6		
B	M25	1"/¾"	M25	-	13.0	20.2	9.5	15.4	61.0	36.0	41.6		
C	M32	1¼"/1"	M32	-	19.0	26.5	15.5	21.2	77.0	46.0	53.1		

¹Smaller value is applicable when selecting reduced NPT entry option.

²Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable inner sheath diameter is 10.9mm.

NPT female thread sizes equivalent to those shown in the table for the male thread size are available. Hexagon dimensions as shown may alter.

General Information

Os - C size metric entry threads are 1.5mm pitch as standard. (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering.

Thread length is 15mm for sizes Os to C.

All dimensions in millimetres (except* where dimensions are in inches).

Assembly instruction data sheet No. A.I. 310.

Accessories including locknuts, sealing washers, serrated washers, earth tags, shrouds, adaptors and reducers available. See pages 53 - 57.

Materials & Finishes

The 501/414 cable gland is manufactured in brass (standard), nickel plated brass, 316 stainless steel or aluminium.

Brass NPT entries are nickel plated as standard.

Cable Gland Ordering Examples

**Cable Gland Type/Size/Male Thread/
Female Thread**

e.g. 501/414/C/M32/M32
501/414/C/1¼" NPT/M32

Cable Gland with Alternative Seal (S)

e.g. 501/414/C/M32/M32/S
501/414/C/1¼" NPT/M32/S

Application

- Outdoor or Indoor use.
- For use with non-armoured elastomer and plastic insulated cables installed in conduit.
- See technical section of the catalogue for installation rules and regulations.

Features

- Provides a cable retention seal onto the cables outer sheath.
- When used in increased safety applications, this cable gland may be used with braided cable where the braid and the cables outer sheath pass into the enclosure. The braid must be suitably terminated into the enclosure.
- Provides female running coupler for cable gland or conduit entry.

Technical Data

- Flameproof Exd and Increased Safety Exe. II 2 GD
- Baseefa 06ATEX0056X.
- IECEx BAS06.0013X.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Suitable for use in Gas Groups IIA, IIB and IIC.
- Construction and test standards EN 50014, EN 50018, EN 50019 and EN 50281-1-1. IEC 60079-0, IEC 60079-1 and IEC 60079-7.
- IP66, IP67 and IP68 (30 metres for 7 days) ingress protection to IEC 60529 and EN 60529.
- DTS01 deluge protection certified by ITS.
- Operating temperature range -60°C to +100°C as standard.
- Alternative Certification Options Available.

Exd IIC/Exe II.

Marine Approval.

501/414 Cable Gland



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