

Cable Gland Type 501/421



Flameproof and Increased Safety

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Thread Length 'H'	Cable Acceptance Details				'G'	Hexagon Dimensions	
	Metric	NPT* Std./Option		Outer Sheath 'B'		Across Flats	Across Corners			
				Standard Seal					Alternative Seal (S)	
				Min.	Max.				Min.	Max.
2K	M16	-	15.0	3.0	8.0	-	-	27	19.0	21.2
Os	M20 ²	½"	15.0	3.0	8.0	-	-	32.8	24.0	27.7
O	M20 ²	½"	15.0	7.5	11.9	-	-	32.8	24.0	27.7
A	M20	¾"/½"	15.0	11.0	14.3	8.5	13.4	32.8	30.0	34.6
B	M25	1"/¾"	15.0	13.0	20.2	9.5	15.4	33.8	36.0	41.6
C	M32	1¼"/1"	15.0	19.0	26.5	15.5	21.2	35.2	46.0	53.1
C2	M40	1½"/1¼"	15.0	25.0	32.5	22.0	28.0	36.5	55.0	63.5
D	M50	2"/1½"	15.0	31.5	44.4/42.3 ¹	27.5	34.8	47.9	65.0	75.1
E	M63	2½"/2"	15.0	42.5	56.3/54.3 ¹	39.0	46.5	46.2	80.0	92.4
F	M75	3"/2½"	15.0	54.5	68.2/65.3 ¹	48.5	58.3	48	95.0	109.6
G	M80	3½"	20.0	67.0	73.0	-	-	41	106.4	123.0
H	M90	3½"	20.0	67.0	77.6	-	-	41	115.0	132.8
J	M100	4"	20.0	75.0	91.6	-	-	41	127.0	146.7

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

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

2K - F size metric entry threads are 1.5mm pitch as standard. For G size cable glands and above, a 2mm pitch is supplied as standard (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering.

General Information

All dimensions in millimetres (except* where dimensions are in inches). Assembly instruction data sheet No. A.I. 307. For sizes Os to J.

Accessories including locknuts, sealing washers, serrated washers, earth tags, shrouds, adaptors and reducers available. See pages 44 - 48.

Materials & Finishes

The 501/421 cable gland is manufactured as standard in brass, stainless steel and aluminium.

NPT entries, nickel plated as standard. Full nickel plating by electroplating or electroless plating is also available, as are other materials on request.

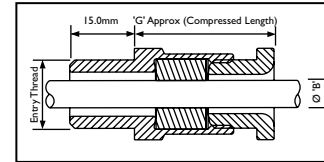
Cable Gland Ordering Examples

Cable Gland Type/Size/Thread

e.g. 501/421/C/M32
501/421/C/1¼" NPT

Cable Gland with Alternative Seal (S)

e.g. 501/421/C/M32/S
501/421/C/1¼" NPT/S



2K Size Cable Gland Design

Application

- Outdoor or Indoor use.
- For use with non-armoured elastomer and plastic insulated cables.
- 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 inside the enclosure.

Technical Data

- Flameproof EExd and Increased Safety EExe. Ex II 2 GD
- Baseefa Certificate No. BAS 01 ATEX 2070X. For Os - F.
- Baseefa Certificate No. BAS 01 ATEX 2294X. For G - J.
- 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, EN 60529 and NEMA 4X.
- DTS01 deluge protection certified by ITS.
- Operating temperature range -60°C to +100°C as standard.
- Alternative Certification Options Available.
 - Exd IIC/Exe II.
 - BR-Exd IIC/Exe II.
 - GOST R-Exd IICU/Exe IIU.
 - AUS-Exd IIC/Exe II.

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