



Cable Gland Type 501/423



Flameproof and Increased Safety

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details				'G'	Hexagon Dimensions	
			Outer Sheath 'B'					Across Flats	Across Corners
	Metric	NPT* Std./Option	Standard Seal		Alternative Seal (S)				
			Min.	Max.	Min.	Max.			
Os	M20 ²	½"	3.0	8.0	-	-	52.3	24.0	27.7
O	M20 ²	½"	7.5	11.9	-	-	52.3	24.0	27.7
A	M20	¾"/½"	11.0	14.3	8.5	13.4	51.5	30.0	34.6
B	M25	1"/¾"	13.0	20.2	9.5	15.4	54.7	36.0	41.6
C	M32	1¼"/1"	19.0	26.5	15.5	21.2	55.9	46.0	53.1
C2	M40	1½"/1¼"	25.0	32.5	22.0	28.0	58.1	55.0	63.5
D	M50	2"/1½"	31.5	44.4/42.3 ¹	27.5	34.8	74.3	65.0	75.1
E	M63	2½"/2"	42.5	56.3/54.3 ¹	39.0	46.5	73.2	80.0	92.4
F	M75	3"/2½"	54.5	68.2/65.3 ¹	48.5	58.3	75	95.0	109.6
G	M80	3½"	67.0	73.0	-	-	68	106.4	123.0
H	M90	3½"	67.0	77.6	-	-	68	115.0	132.8
J	M100	4"	75.0	91.6	-	-	68	127.0	146.7

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 outer sheath diameter is 10.9mm.

General Information

Os - F size metric entry threads are 1.5mm pitch as standard. For G size 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.

Thread length is 15mm for sizes Os to F and 20mm for sizes G to J. All dimensions in millimetres (except* where dimensions are in inches). Assembly instruction data sheet No. A.I. 306.

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

Materials & Finishes

The 501/423 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/Thread

e.g. 501/423/C/M32
501/423/C/1¼" NPT

Cable Gland with Alternative Seal (S)

e.g. 501/423/C/M32/S
501/423/C/1¼" NPT/S



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Application

- Outdoor or Indoor use.
- For use with non-armoured elastomer and plastic insulated cables.
- May be used on cables incorporating inner and outer cable sheaths.
- See technical section of catalogue for installation rules and regulations.

Features

- Provides a cable retention seal onto the cables outer sheath at two independent sealing points.
- 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 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, EN 60529 and NEMA 4X.
- DTS01 deluge protection certified by ITS. Additional deluge protection seal also available.
- Operating temperature range -60°C to +100°C as standard.
- Alternative Certification Options Available.
 - Exd IIC/Exe II.
 - BR-Exd IIC/Exe II.
 - AUS-Exd IIC/Exe II.
 - Marine Approval.

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