

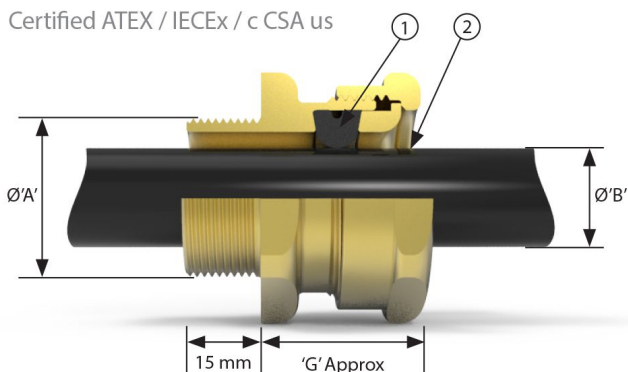


# 501/421

Flameproof, Increased Safety, Dust Protection

Class - Zones

Certified ATEX / IECEx / c CSA us



- ① Elastomeric Exd flameproof seal on cable inner sheath
- ② Rounded Cable entry to prevent cable damage

The 501/421 dual certified Exe/Exd cable gland is intended for use on non-armoured elastomer and plastic insulated cables. This cable gland may be used with braided cables where the braid and outer sheath pass into the enclosure. For Exd application the cable must be suitable inline with 60079-14. The braid must then be suitably terminated inside the enclosure  
See technical section for installation rules and regulations

## Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details				'G'	Hexagon Dimensions	
	Metric	NPT* Standard	Outer Sheath 'B'					Across Flats	Across Corners
			Standard Seal		Alterntative Seal (S)				
			Min.	Max.	Min.	Max.			
2K	M16	—	3.2	8.0	—	—	23.5	19.0	21.2
Os	M20 <sup>2</sup>	½"	3.2	8.0	—	—	23.8	24.0	26.5
O	M20 <sup>2</sup>	½"	6.5	11.9	—	—	23.8	24.0	26.5
A	M20	¾" or ½"	10.0	14.3	9.0	13.4	24.8	30.0	32.5
B	M25	1" or ¾"	13.0	20.2	9.5	15.4	25.8	36.0	39.5
C	M32	1¼" or 1"	19.5	26.5	15.5	21.2	29.2	46.0	50.5
C2	M40	1½" or 1¼"	25.0	32.5	22.0	28.0	30.5	55.0	60.6
D	M50	2" or 1½"	31.5	44.4 / 42.3 <sup>1</sup>	27.5	34.8	40.4	65.0	70.8
E	M63	2½" or 2"	42.5	56.3 / 54.3 <sup>1</sup>	39.0	46.5	38.2	80.0	88.0
F	M75	3" or 2½"	54.5	68.2 / 65.3 <sup>1</sup>	49.5	58.3	40.5	95.0	104.0
G	M80	3½"	67.0	73.0	—	—	41.0	106.4	115.0
H	M90	3½"	67.0	77.6	—	—	41.0	115.0	130.0
J	M100	4"	75.0	91.6	—	—	41.0	127.0	142.0

2K to F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. For G size glands and above, a 2mm pitch is supplied as standard, 20mm length of thread (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering. All dimensions in millimetres (except \* where dimensions are in inches).

<sup>1</sup> Smaller value is applicable when selecting reduced NPT entry option.

<sup>2</sup> 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

## Technical Data

### ATEX/IECEx

Type of Protection	Flameproof Ex db IIC Gb, Increased Safety Ex eb IIC Gb and Dust Ex tb IIIC Db Ex II 2GD
ATEX Classification	Certificate No's: CML 19ATEX1167X CML 19.0045X
Area Classification	Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31
Ingress Protection	IP66, IP67 and IP68 (30 metres for 7 days) to IEC/EN 60529 and NEMA 4X
Deluge Protection	Deluge Protection to DTS01
Operating Temperature	-60°C to +100°C

### c CSA us

Type of Protection	Flameproof AExd IIC Gb, Increased Safety AExe IIC Gb and Dust AExtD Zone 21
c CSA us Classification	Certificate No's: CSA1015065
Area Classification	
Construction & Test Standards	UL 60079-0, UL 60079-1, UL 60079-7, ISA 60079-31, CSA 22.2 No: 60079-0, CSA 22.2 No: 60079-1, CSA 22.2 No: 60079-7, CSA 22.2 No: 60079-31, UL 2225

## Ordering Information

Format for ordering is as follows: Alternative Seal (S), add suffix S to ordering information

Cable Gland Type	Size	Thread	Material	(Optional)
501/421	C	M32	Brass	S
501/421	C	1¼" NPT	Brass	S

Order Example: 501/421 C M32 Brass S

