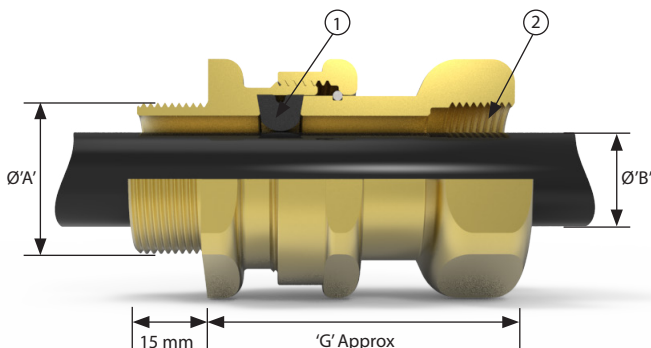




501/414

Flameproof, Increased Safety, Dust Protection
Class - Zones
Certified ATEX / IECEx / c CSA us



- ① Elastomeric Exd flameproof seal on cable inner sheath
- ② Female running coupler for cable gland or conduit entry. Can be used to upgrade standard non-barrier gland into a flameproof Exd barrier gland.

The Dual certified Exe/Exd 501/414 cable gland offers a female running coupler and a seal onto the cable outer sheath for use with non-armoured elastomer and plastic insulated cables installed in conduit. May also be used with braided cables under certain conditions - See technical section for installation rules and regulations

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'				Cable Acceptance Details				'G'	Hexagon Dimensions	
	Male		Female		Outer Sheath 'B'					Across Flats	Across Corners
	Metric	NPT* Standard	Metric	NPT# Standard	Standard Seal		Alternative Seal				
					Min	Max	Min	Max			
Os	M20 ²	½"	M20	—	3.2	8.0	-	-	54.5	24.0	26.5
O	M20 ²	½"	M20	—	6.5	11.9	-	-	54.5	24.0	26.5
A	M20	¾" or ½"	M20	—	10.0	14.3	9.0	13.4	56.4	30.0	32.5
B	M25	1" or ¾"	M25	—	13.0	20.2	9.5	15.4	48.2	36.0	39.5
C	M32	1¼" or 1"	M32	—	19.0	26.5	15.5	21.2	61.6	46.0	50.5
C2	M40	1½" or 1¼"	M40	—	25.0	32.5	22.0	28.0	64.6	55.0	60.6
D	M50	2" or 1½"	M50	—	31.5	44.4 / 42.3 ¹	27.5	34.8	83.2	65.0	70.8
E	M63	2½" or 2"	M63	—	42.5	56.3 / 54.3 ¹	39.0	46.5	83.2	80.0	88.0
F	M75	3" or 2½"	M75	—	54.5	68.2 / 65.3 ¹	49.5	58.3	86.4	95.0	104.0

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

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 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

Technical Data

ATEX/IECEx	
Type of Protection	Flameproof Ex db IIC Gb, Increased Safety Ex eb IIC Gb and Dust Extb 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 and in Gas Groups IIA, IIB and IIC
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	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	Male Thread	Female Thread	Material	(Optional)
501/414	C	M32	M32	Brass	S
501/414	C	1¼" NPT	1¼" NPT	Brass	S

Order Example: 501/414 C M32/M32 Brass