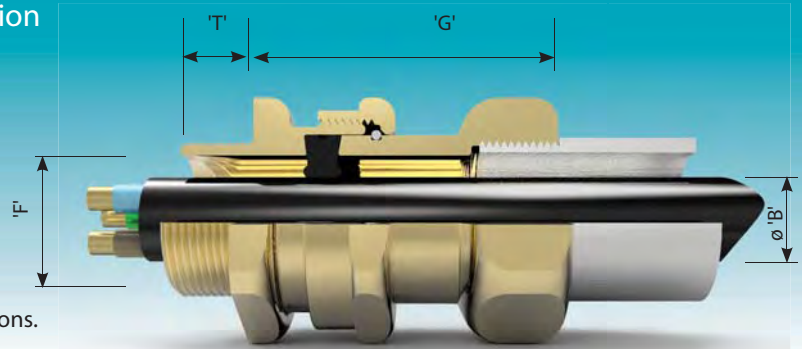


Group II Cable Glands

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

Application

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



501/414

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size 'F'				Cable Acceptance Details				'G'	Hexagon Dimensions	
	Male		Female		Outer Sheath 'B'					Across Flats	Across Corners
	Metric	NPT * Standard or Option	Metric	NPT # Standard or Option	Standard Seal		Alternative Seal (S)				
					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

¹'T' — All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard.

¹ Smaller value is applicable when selecting reduced NPT male 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

- Flameproof Exd IIC Gb, Increased Safety Exe IIC Gb and Dust Extb IIIC Db (Ex) II 2 GD.
- Certificate No's: Baseefa06ATEX0056X and IECEx BAS 06.0013X.
- Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529 and NEMA 4X.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +100°C.
- Assembly Instruction Sheet: AI 310.

c CSA us

- Flameproof AExd IIC Gb, Increased Safety AExe IIC Gb and Dust AExtD Zone 21.
- Explosion-proof Class 1 Division 2 Groups ABCD, Class II Division 2 Groups EFG, Class III.
- Certificate No's: CSA1015065 for Marine Shipboard Cable.
- Construction and 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

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.
- Manufactured in Brass (standard), Nickel Plated Brass, 316 Stainless Steel or Aluminium.
- Brass NPT entries are nickel plated as standard.

Ordering Information

Format for ordering is as follows:

Alternative Seal (S), add suffix S to ordering information.

Cable Gland Type	Size	Thread	Material	(Optional)
501/414	C	M32	Brass	S
501/414	C	1¼" NPT	Brass	S

Alternative certification options available:

