

# Group II Cable Glands

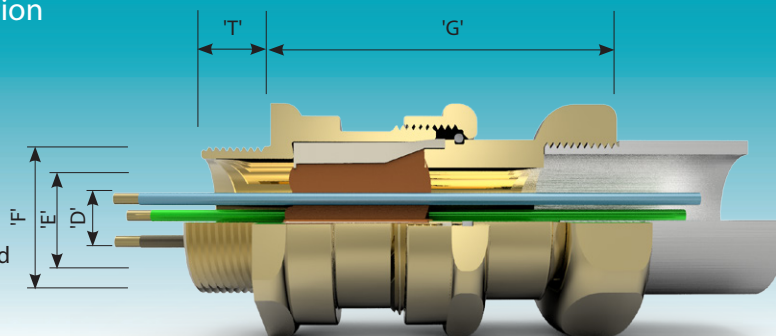
Flameproof, Increased Safety, Dust Protection

Class - Zones - Divisions

Certified ATEX / IECEx / c CSA us

## Application

- Outdoor or indoor use.
- For use with conduit incorporating individual insulated conductors.
- For particular use with:-
  - Cable inner sheaths that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
  - Cables that exhibit 'Cold Flow' characteristics.
  - Enclosures containing an ignition source in gas group IIC areas or containing an ignition source in a Zone 1 area and exceeding 2 litres in volume.
- See technical section for installation rules and regulations.



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size 'F'				Inner Sheath / Cores			'G' Metric	Hexagon Dimensions	
	Male		Female							
	Metric	NPT * Standard or Option	Metric	NPT * Standard or Option	Max. Over Cores 'B'	Max Inner Sheath 'E'	Max. No. of Cores		Across Flats	Across Corners
A	M20	¾" or ½"	M20	¾" or ½"	11.0	12.5	15	74	30.0	32.5
B	M25	1" or ¾"	M25	1" or ¾"	16.2	18.4	30	65	36.0	39.5
C	M32	1¼" or 1"	M32	1¼" or 1"	21.9	24.7	42	80	46.0	50.5
C2	M40	1½" or 1¼"	M40	1½" or 1¼"	26.3	29.7	60	83	55.0	60.6
D	M50	2" or 1½"	M50	2" or 1½"	37.1	41.7	80	94	65.0	70.8
E	M63	2½" or 2"	M63	2½" or 2"	47.8	53.5	100	97	80.0	88.0
F	M75	3" or 2½"	M75	3" or 2½"	59.0	66.2 / 65.3 <sup>†</sup>	120	100	95.0	104.0

'T' — All dimensions in millimetres (except \* where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

<sup>†</sup> Smaller value is applicable when selecting reduced NPT male entry option. Hexagon dimensions as shown may alter.

## Technical Data

### ATEX/IECEx

- Flameproof Exd IIC Gb, Increased Safety Exe IIC Gb and Dust Extb IIIC Db 2 GD.
- Certificate No's: Baseefa06ATEX0058X and IECEx BAS 06.0015X.
- 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 +80°C.
- Assembly Instruction Sheet: AI 375.

### c CSA us

- Flameproof AExd IIC Gb, Increased Safety AExe IIC Gb and Dust AExD 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

\* Additional installation procedures required

## Features

- Provides a barrier seal between the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable or conduit.
- Seals conductors at entry to enclosure via conduit or enables an existing cable gland to be converted to a barrier type cable gland.
- The device is fitted with a simple compound filled chamber which permits packing around individual insulated conductors.
- Assembly of the cable gland compresses and distributes the compound evenly to create a barrier seal at the point of entry into the enclosure.
- If required, external voids can be repaired.
- 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:

Cable Gland Type	Size	Male Thread	Female Thread	Material
CSB 656N	C	M32	M32	Brass
CSB 656N	C	1 ¼" NPT	M32	Brass

Two part sealing compound and assembly instructions are supplied with the cable gland.