

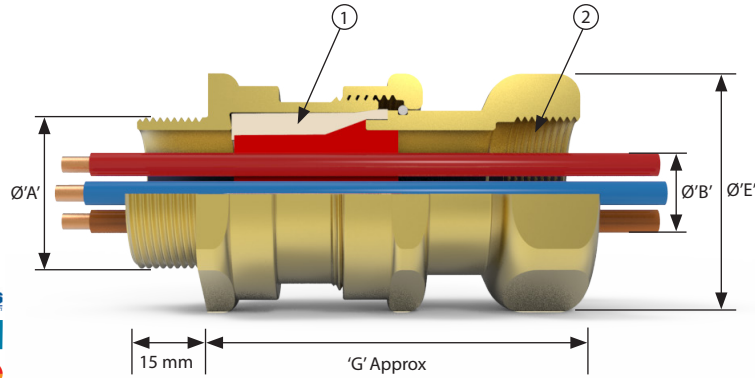


# CSB 656N

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



International Approvals



- ① Fully inspectable barrier seal provides an Exd seal between the individual cable cores
- 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 CSB656N cable gland offers an inspectable barrier seal around the individual cable cores and a female running coupler for conduit or cable gland entry. See technical section for installation rules and regulations

## Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'				Cable Acceptance Details			'G' Metric	Hexagon Dimensions	
	Male		Female		Inner Sheath / Cores				Across Flats	Across Corners
	Metric	NPT* Standard or Option	Metric	NPT# Standard or Option	Max Over Cores 'B'	Max Inner Sheath 'E'	Max No of Cores			
A	M20	¾" or ½"	M20	¾" or ½"	10.8	12.5	15	74.0	30.0	32.5
B	M25	1" or ¾"	M25	1" or ¾"	15.9	18.4	30	65.0	36.0	39.5
C	M32	1¼" or 1"	M32	1¼" or 1"	21.9	24.7	42	80.0	46.0	50.5
C2	M40	1½" or 1¼"	M40	1½" or 1¼"	26.7	29.7	60	83.0	55.0	60.6
D	M50	2"	M50	2" or 1½"	37.7	41.7	80	94.0	65.0	70.8
E	M63	2½"	M63	2½" or 2"	49.0	53.5	100	97.0	80.0	88.0
F	M75	3"	M75	3" or 2½"	59.8	66.2 / 65.3¹	120	100.0	95.0	104.0

All dimensions in millimetres (except \* where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

<sup>1</sup>Smaller value is applicable when selecting reduced NPT entry option. Hexagon dimensions as shown may alter.

## Technical Data

### ATEX/IECEx

Type of Protection	Flameproof Exdb IIC Gb, Increased Safety Exeb IIC Gb and Dust Extb IIIC Db Ex II 2 GD
ATEX Classification	Certificate No's: CML19ATEX1170X, and IECEx CML19.0048X
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, IP68 (30 metres for 7 days) and IP69 to IEC/EN 60529 and NEMA 4X
Deluge Protection	Deluge Protection to DTS01
Operating Temperature	-60°C to +80°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 for Marine Shipboard Cable
Area Classification	Explosion-proof Class 1 Division 2 Groups ABCD, Class II Division 2 Groups EFG, Class III
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:

Cable Gland Type	Size	Male Thread	Female Thread	Material
CSB 656N	C	M32	M32	Brass
CSB 656N	C	1¼" NPT	M32	Brass

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

Order Example: CSB 656N C M32 M32 Brass