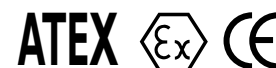


Cable Gland Type CSB 656



Flameproof and Increased Safety

CABLE GLAND SELECTION TABLE

Size Ref.	Male Entry Thread Size		Female Entry Thread Size		Thread Length 'H'	Inner Sheath/ Cores			'G'	Hexagon Dimensions	
	Metric	NPT* Std./ Option	Metric	NPT #		'D' Max. Over Cores	'E' Max. Inner Sheath	Max. No. Of Cores		Across Flats	Across Corners
A	M20	3/4"/1/2"	M20	-	15	11.0	12.5	10	53.5	30.0	34.6
B	M25	1"/3/4"	M25	-	15	16.2	18.4	21	53.5	36.0	41.6
C	M32	1 1/4"/1"	M32	-	15	21.9	24.7	42	56.0	46.0	53.1
C2	M40	1 1/2"/1 1/4"	M40	-	15	26.3	29.7	60	56.0	55.0	63.5
D	M50	2"/1 1/2"	M50	-	15	37.1	41.7	80	61.4	65.0	75.1
E	M63	2 1/2"/2"	M63	-	15	47.8	53.5	100	63.7	80.0	92.4
F	M75	3"/2 1/2"	M75	-	15	59.0	66.2	120	65.7	95.0	109.6
G	M80	3 1/2"	M80	-	20	62.8	74.0	140	67.7	106.4	123.0
H	M90	3 1/2"	M90	-	20	70.9	83.0	160	67.7	115.0	132.8
J	M100	4"	M100	-	20	80.3	93.0	180	67.7	127.0	146.7

General Information

A - F size metric entry threads are 1.5mm pitch as standard. For G size cable glands and above, a 2mm pitch is supplied as standard (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).

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

Assembly instruction data sheet No. A.I. 311.

NPT female thread sizes equivalent to those shown in the table for the male thread size are available. Hexagon dimensions as shown may alter.

Accessories including locknuts, sealing washers, serrated washers, earth tags, shrouds, adaptors and reducers available. See pages 44 - 48.

Materials & Finishes

The CSB 656 cable gland is manufactured as standard in brass, stainless steel and aluminium.

NPT entries, nickel plated as standard. Full nickel plating by electroplating or electroless plating is also available, as are other materials on request.

Cable Gland Ordering Examples

Cable Gland Type/Size/Male Thread/Female Thread

e.g. CSB 656/C/M32/M32
CSB 656/C/1 1/4" NPT/M32

Application

- Outdoor or Indoor use.
 - For use with conduit incorporating individual insulated conductors or
- For particular use with :-**
- a) Cables that are not effectively filled, compact and/or circular; have tape bedding or have hygroscopic fillers.
 - b) Cables that exhibit "Cold Flow" characteristics.
 - c) Enclosures containing an ignition source in gas group II C areas or containing an ignition source in a Zone 1 area and exceeding 2 litres in volume.
- See technical section of the catalogue for installation rules and regulations.

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.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides female running coupler for cable gland or conduit entry.

Technical Data

- Flameproof EExd and Increased Safety EExe. Ex II 2 GD
- Baseefa Certificate No. BAS 01 ATEX 2082X.
- Suitable for use in Zone 1, Zone 2, Zone 2I and Zone 22.
- Suitable for use in Gas Groups IIA, IIB and IIC.
- Construction and test standards EN 50014, EN 50018, EN 50019 and EN 50281-1-1. IEC 60079-0, IEC 60079-1 and IEC 60079-7.
- IP66, IP67 and IP68 (30 metres for 7 days) ingress protection to IEC 60529, EN 60529 and NEMA 4X.
- DTS01 deluge protection certified by ITS.
- Operating temperature range -60°C to +80°C as standard.
- Alternative Certification Options Available.
- Exd IIC/Exe II. • AUS-Exd IIC/Exe II.

CSB 656 Cable Gland