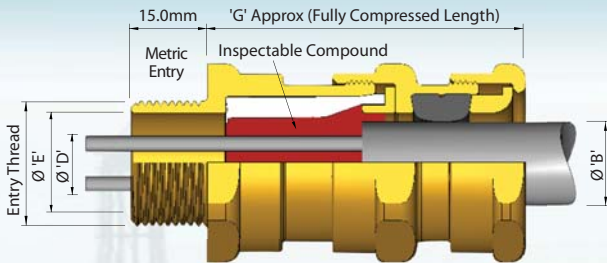


Flameproof Exd & Increased Safety Exe

Dual Certified ATEX / IECEx



Application

- Mining.
- For use with non-armoured elastomer and plastic insulated cables.
- For particular use with:-
 - Cables 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.
- See technical section for installation rules and regulations.

CABLE GLAND SELECTION TABLE

| Size Ref. | Entry Thread Size | | Cable Acceptance Details | | | | | | | Hexagon Dimensions | | |
|-----------|-------------------|--------------------------|--------------------------|--------------------------|-------------------|------------------|------|----------------------|------|--------------------|--------------|----------------|
| | Metric | NPT * Standard or Option | Inner Sheath / Cores | | | Outer Sheath 'B' | | | | 'G' | Across Flats | Across Corners |
| | | | Max. Over Cores 'D' | Max Inner Sheath 'E' | Max. No. of Cores | Standard Seal | | Alternative Seal (S) | | | | |
| Min. | Max. | Min. | Max. | | | | | | | | | |
| Os | M20 | ½" | 8.0 | 8.0 | 6 | 3.0 | 8.0 | - | - | 52.0 | 24.0 | 26.5 |
| O | M20 | ½" | 8.9 | 10.0 | 6 | 7.5 | 11.9 | - | - | 52.0 | 24.0 | 26.5 |
| A | M20 | ¾" or ½" | 11.0 | 12.5 | 10 | 11.0 | 14.3 | 8.5 | 13.4 | 53.0 | 30.0 | 32.5 |
| B | M25 | 1" or ¾" | 16.2 | 18.4 | 21 | 13.0 | 20.2 | 9.5 | 15.4 | 69.5 | 36.0 | 39.5 |
| C | M32 | 1¼" or 1" | 21.9 | 24.7 | 42 | 19.0 | 26.5 | 15.5 | 21.2 | 64.0 | 46.0 | 50.5 |
| C2 | M40 | 1½" or 1¼" | 26.3 | 29.7 | 60 | 25.0 | 32.5 | 22.0 | 28.0 | 68.3 | 55.0 | 60.6 |
| D | M50 | 2" or 1½" | 37.1 | 41.7 | 80 | 31.5 | 44.4 | 27.5 | 34.8 | 79.0 | 65.0 | 70.8 |
| E | M63 | 2½" or 2" | 47.8 | 53.5 | 100 | 42.5 | 56.3 | 39.0 | 46.5 | 78.9 | 80.0 | 88.0 |
| F | M75 | 3" or 2½" | 59.0 | 66.2 / 65.3 ¹ | 120 | 54.5 | 68.2 | 48.5 | 58.3 | 83.7 | 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.

¹Smaller value is applicable when selecting reduced NPT entry option.

Technical Data

- Flameproof Exd and Increased Safety Exe (Ex) I M2.
- Certificate No's: Baseefa08ATEX0329X and IECEx BAS 08.0115X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 305.

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.
- 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 a cable retention seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- 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 | (OPTIONAL) | Cable Gland Type | Size | Thread | (OPTIONAL) |
|------------------|------|--------|------------|------------------|------|--------|------------|
| 623 | C | M32 | S | 623 | C | 1¼"NPT | S |

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