



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.

CABLE GLAND SELECTION TABLE

| Size Ref. | Male Entry Thread Size | | Female Entry Thread Size | | Cable Acceptance Details | | | | 'G' | Hexagon Dimensions | |
|-----------|------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|------------------------|----------------------|------|------|--------------------|----------------|
| | Metric | NPT * Standard or Option | Metric | NPT # Standard or Option | Outer Sheath 'B' | | | | | Across Flats | Across Corners |
| | | | | | Standard Seal | | Alternative Seal (S) | | | | |
| | | | | | Min. | Max. | Min. | Max. | | | |
| Os | M20 ² | ½" | M20 | - | 3.0 | 8.0 | - | - | 54.5 | 24.0 | 26.5 |
| O | M20 ² | ½" | M20 | - | 7.5 | 11.9 | - | - | 54.5 | 24.0 | 26.5 |
| A | M20 | ¾" or ½" | M20 | - | 11.0 | 14.3 | 8.5 | 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 | 4.4/42.3 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 | 48.5 | 58.3 | 86.4 | 95.0 | 104.0 |

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

- Flameproof Exd and Increased Safety Exe Ⓔ II 2 GD ExtD A21.
- 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, IEC/EN 61241-0 and IEC/EN 61241-1.
- 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.
- Alternative certification options available:

🇨🇦 Exe II 🇨🇳 CNEX Exd IIC / Exe II

🇷🇺 GOST R-Exe IIU

🇰🇷 GOST K- Approved for use in Kazakhstan

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 | (OPTIONAL) | Cable Gland Type | Size | Thread | (OPTIONAL) |
|------------------|------|--------|------------|------------------|------|---------|------------|
| 501/414 | C | M32 | S | 501/414 | C | 1 ¼"NPT | S |