



### Application

- Mining.
- For use with pliable wire armoured cable.
- 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.
- See technical section for installation rules and regulations

CABLE GLAND SELECTION TABLE

| Size Ref. | Entry Thread Size |                          | Cable Acceptance Details |                          |                   |                  |      |                         | 'G'  | Hexagon Dimensions |                |
|-----------|-------------------|--------------------------|--------------------------|--------------------------|-------------------|------------------|------|-------------------------|------|--------------------|----------------|
|           | Metric            | NPT * Standard or Option | Inner Sheath / Cores     |                          |                   | Outer Sheath 'B' |      | Pliable Wire Armour 'C' |      | Across Flats       | Across Corners |
|           |                   |                          | Max. Over Cores 'D'      | Max Inner Sheath 'E'     | Max. No. of Cores | Min.             | Max. |                         |      |                    |                |
| O         | M20               | ½"                       | 8.9                      | 10.0                     | 6                 | 9.5              | 16.0 | 7 x 0.45                | 64.5 | 24.0               | 26.5           |
| A         | M20               | ¾" or ½"                 | 11.0                     | 12.5                     | 10                | 12.5             | 20.5 | 7 x 0.45                | 65.3 | 30.0               | 32.5           |
| B         | M25               | 1" or ¾"                 | 16.2                     | 18.4                     | 21                | 16.9             | 26.0 | 7 x 0.45                | 71.6 | 36.0               | 39.5           |
| C         | M32               | 1¼" or 1"                | 21.9                     | 24.7                     | 42                | 22.0             | 33.0 | 7 x 0.45                | 75.8 | 46.0               | 50.5           |
| C2        | M40               | 1½" or 1¼"               | 26.3                     | 29.7                     | 60                | 28.0             | 41.0 | 7 x 0.71                | 82.7 | 55.0               | 60.6           |
| D         | M50               | 2" or 1½"                | 37.1                     | 41.7                     | 80                | 36.0             | 52.6 | 7 x 0.71                | 92.1 | 65.0               | 70.8           |
| E         | M63               | 2½" or 2"                | 47.8                     | 53.5                     | 100               | 46.0             | 65.3 | 7 x 1.25                | 92.9 | 80.0               | 88.0           |
| F         | M75               | 3" or 2½"                | 59.0                     | 66.2 / 65.3 <sup>1</sup> | 120               | 57.0             | 78.0 | 7 x 1.25                | 99.0 | 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.

### Technical Data

- Flameproof Exd and Increased Safety Exe Ⓜ 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 346.

### 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 armour clamping for pliable wire armour.
- Provides a cable retention and low smoke and fume, zero halogen 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:

| Cable Gland Type | Size | Thread   | Material |
|------------------|------|----------|----------|
| 653/T            | C    | M32      | Brass    |
| 653/T            | C    | 1 ¼" NPT | Brass    |

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

Alternative certification options available:



Connection Solutions

www.ehawke.com