

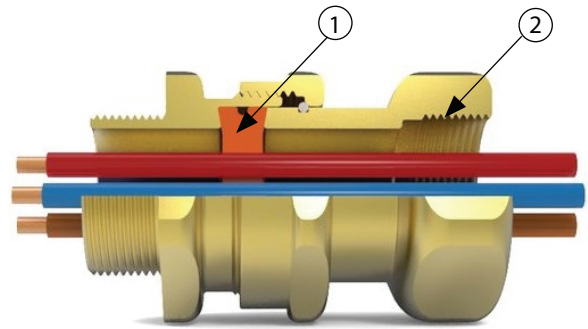


# SB/474

Flameproof, Increased Safety, Dust Protection  
Certified ATEX / IECEx

- 1 Provides a barrier seal to the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable. The required number of holes for the cores are punched in the seal by a special tool to suit core size.
- 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

For outdoor or indoor use, the SB474 is also for particular use with cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers. Also, with cables that exhibit 'Cold Flow' characteristics.



#### International Approvals



**Cable Gland Selection Table**

| Size Ref.                                                                                                                                              | Entry Thread Size 'A' |                         |        |                         | 'G' Metric | Hexagon Dimensions |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|--------|-------------------------|------------|--------------------|----------------|
|                                                                                                                                                        | Male                  |                         | Female |                         |            | Across Flats       | Across Corners |
|                                                                                                                                                        | Metric                | NPT* Standard or Option | Metric | NPT# Standard or Option |            |                    |                |
| A                                                                                                                                                      | M20                   | ¾" or ½"                | M20    | ¾" or ½"                | 69         | 30.0               | 32.5           |
| B                                                                                                                                                      | M25                   | 1" or ¾"                | M25    | 1" or ¾"                | 61         | 36.0               | 39.5           |
| C                                                                                                                                                      | M32                   | 1¼" or 1"               | M32    | 1¼" or 1"               | 61.95      | 46.0               | 50.5           |
| T* - All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread. |                       |                         |        |                         |            |                    |                |
| 1 Hexagon dimensions as shown may increase to accommodate non-metric female threads                                                                    |                       |                         |        |                         |            |                    |                |
| 2 Other thread types available upon request                                                                                                            |                       |                         |        |                         |            |                    |                |

## Technical Data

|                               |                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------|
| Ingress Protection            | IP66, IP67 and IP68 (30 metres for 7 days, special conditions may apply) to IEC/EN 60529 and NEMA 4X |
| Deluge Protection             | to DTS01                                                                                             |
| Operating Temperature         | -60°C to +80°C                                                                                       |
| <b>ATEX/IECEx</b>             |                                                                                                      |
| ATEX/IECEx Protection Class   | Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db                                                  |
| ATEX Certificate No           | CML 19ATEX1167X                                                                                      |
| IECEx Certificate No          | CML 19.0045X                                                                                         |
| Construction & Test Standards | IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31                                   |
| Additional Certifications     | EAC: TC RU C-GB HA91 B 0046 19<br>Inmetro: IEx 14.0272X<br>PESO: P450038<br>CNEX: CNEx17 2858X       |

## Cable Gland Size for Core Size and Number

| Max No of Cores | Cores Cross Sectional Area mm <sup>2</sup> |       |       |   |    |
|-----------------|--------------------------------------------|-------|-------|---|----|
|                 | 1.5                                        | 2.5   | 4     | 6 | 10 |
| 7               | A & B                                      | A & B | B & C | C | C  |
| 4               | -                                          | -     | -     | B | -  |
| 3               | -                                          | -     | -     | - | B  |

## Punch Tool Size Details

| Punch Ref       | No. 1     | No. 2     | No. 3 |
|-----------------|-----------|-----------|-------|
| Cores C.S.A.mm2 | 1.5 - 2.5 | 4.0 - 6.0 | 10    |

## Ordering Information

To select the correct size punch tool, please see table. Format for ordering is as follows:

| Cable Gland Type | Size | Male Thread | Female Thread | Material | Punch Tool Required |
|------------------|------|-------------|---------------|----------|---------------------|
| SB/474           | C    | M32         | M32           | Brass    | Punch Tool No 1     |
| SB/474           | C    | 1¼" NPT     | 1¼" NPT       | Brass    | Punch Tool No 1     |

Order Example: SB/474 C M32/M32 Brass

Product design and specifications are subject to change without notice.

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