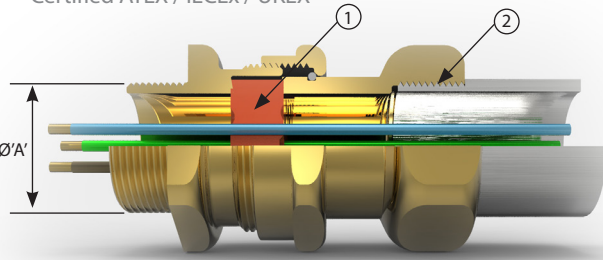




SB/474

Flameproof, Increased Safety, Dust Protection & Restricted Breathing
 Certified ATEX / IECEx / UKEX



- 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.

Cable Gland Selection Table

| Size Ref. | Entry Thread Size 'A' | | | | Approx Length | Hexagon Dimensions ¹ | |
|-----------|-----------------------|-------------------------|--------|-------------------------|---------------|---------------------------------|----------------|
| | 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 |

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

| | |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Material Options | Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel |
| Ingress Protection | IP66, IP67 and IP68 (30 metres for 7 days, special instructions apply) to IEC/EN 60529 and NEMA 4X |
| Enclosure Protection | IK10 to IEC 62262 |
| Deluge Protection | to DTS01 |
| Operating Temperature | -60°C to +80°C |
| Applications | Suitable for use in Zone 1, Zone 21, Zone 2 and Zone 22 |

Approvals

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| ATEX/IECEx Protection Class | Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex nR IIC Gc, Ex tb IIIC Db |
| ATEX Certificate No | CML 19ATEX1167X CML 19ATEX4507X (Ex nR) |
| IECEx Certificate No | CML 19.0045X CML 21.0012X (Ex nR) |
| UKEX Certificate No | CML 21UKEX1161X CML 21UKEX4133X (Ex nR) |
| Construction & Test Standards | IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15 and IEC/EN 60079-31 |
| Additional Certifications | EAC: No EA3C RU C-GB.HA91.B.00264/21 EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X PESO: P450038 |

Cable Gland Size for Core Size and Number

| Max No of Cores | Cores Cross Sectional Area mm ² | | | | |
|-----------------|--------------------------------------------|-------|-------|---|----|
| | 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