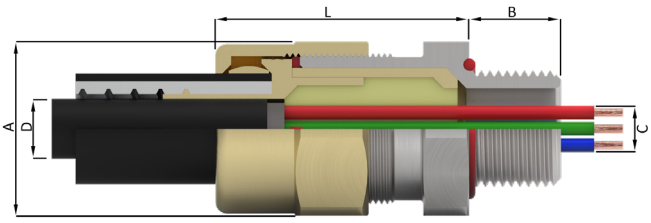
# PRODUCT TYPE LT-C

## Double Seal Barrier Gland featuring Peppers T-1000 Compound with Liquid Tight Connector for Flexible Metallic Conduit

**Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68**




### PRODUCT DESCRIPTION

"LT-C" type glands are certified Flameproof Ex db, Increased Safety Ex eb and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex db & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 100 metres. The gland incorporates a connection for liquid tight flexible metallic conduit and features the Peppers T-1000 sealing compound that enables a quick and easy installation.

### COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

### EXAMPLE PART NUMBERING: LT-CB/NP/20-1/M20

| | | |
|---|---|---|
| | LT-C | Gland featuring Peppers T-1000 Compound and connection for liquid tight flexible metallic conduit |
| | B | Brass (B) / Stainless Steel (S) |
| OPTIONS | K-V-H | Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer |
| OPTIONS | T | Including Earth Tag |
| OPTIONS | S | Including Serrated Washer |
| OPTIONS | 1 | Quantity per kit |
| OPTIONS | NP | Nickel Plated |
| | 20-1 | Gland and Conduit Connection Size |
| | M20 | M20 x 1.5 Male Entry Thread |

### OPTIONAL ACCESSORIES:

| | |
|---|---|
| LOCKNUT (L) | Brass (ACBLN) / Stainless Steel (ACSLN) |
| EARTH TAG (T) | Brass (ACBET) / Stainless Steel (ACSET) |
| IP WASHERS | Nylon (N) / Fibre (J) / PTFE (Z) |
| SERRATED WASHERS | Stainless Steel (S) |

| | |
|---|---|
| IP RATING: | IP66 & IP68 (100 metres - 7 Days) & DTS01:1991 |
| OPERATING TEMP: | -60°C to +135°C |
| MATERIALS: | Brass or Stainless Steel |
| PLATING: | Electroless Nickel |
| COMPOUND: | Peppers T-1000 Sealing Compound |

**CURING TIME:**
@ 21°C Conductor termination can be effected after 1 hour.
The equipment can be energised after 4 hours.

### CERTIFICATION:

| | |
|---|---|
| UKEX | I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da |
| | II 3G Ex nR IIC Gc |
| ATEX | I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da |
| | II 3G Ex nR IIC Gc |
| IECEx | Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da |
| EAC | PB Ex db I Mb X / 1Ex db IIC Gb X / PB Ex eb I Mb x / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X |
| | Ex ta IIIC Da X |
| INMETRO - Brazil | Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da |
| CCC - China | Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da |
| UKRAINE | I M2 Ex db I Mb / II 2G Ex db IIC Gb / II 2G Ex eb I Mb / II 2G Ex eb IIC Gb |
| | II 1D Ex ta IIIC Da |
| CCoE - India | Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc |
| ABS | Specified ABS Rules |
| LLOYD'S | Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da |
| DNV | Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da |

### CERTIFICATION No:

| | |
|---|---|
| UKEX | CML 21UKEX1034X & CML 21UKEX4037X |
| ATEX | CML 19ATEX1171X & CML 19ATEX4114X |
| IECEx | IECEx CML 19.0049X |
| EAC | RU C-GB.AЖ58.B.051063/24 |
| INMETRO - Brazil | NCC 16.0275 X |
| CCC - China | 2021312313000426 |
| UKRAINE | CЦ 18.0324 X |
| CCoE - India | PESO P494321/16 & P494321/20 |
| ABS | 20-LD1944057-PDA |
| LLOYD'S | LR2124442TA |
| DNV | TAE00004XK |

### CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

| Gland & Connection Size | Standard Entry Thread Size | | Metric Thread Length [B] | Cable Acceptance Details [C] | | | Conduit Data [D] | | Nominal Protrusion Length [L] | Dimensions/Weight (Metric Versions) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Metric | NPT | | Max No .of Cores | Max Ø Over Cores [C] | Max Cable Inner Sheath Ø | Typical Conduit I/D | Max Conduit O/D | | Across Flats [A] | Across Corners | Weight (Kgs) |
| 20S-1 | M20 x 1.5 | 1/2" or 3/4" | 16 | 9 | 5.0 | 5.0 | 6.2 - 7.1 | 11.4 - 12.9 | 45.0 | 25.4 | 28.0 | 0.180 |
| 20S-2 | M20 x 1.5 | 1/2" or 3/4" | 16 | 20 | 7.8 | 7.8 | 9.8 - 10.3 | 14.2 - 15.6 | 44.0 | 25.4 | 28.0 | 0.177 |
| 20-1 | M20 x 1.5 | 1/2" or 3/4" | 16 | 35 | 10.4 | 10.4 | 12.1 - 13.0 | 17.0 - 19.1 | 44.0 | 30.0 | 33.0 | 0.217 |
| 20-2 | M20 x 1.5 | 1/2" or 3/4" | 16 | 40 | 12.5 | 13.3 | 15.8 - 16.3 | 20.8 - 22.3 | 42.0 | 30.0 | 33.0 | 0.218 |
| 25-1 | M25 x 1.5 | 3/4" or 1" | 16 | 60 | 17.8 | 18.0 | 20.8 - 21.3 | 26.0 - 27.8 | 46.0 | 41.3 | 45.4 | 0.364 |
| 32-1 | M32 x 1.5 | 1" or 1 ¼" | 16 | 80 | 23.5 | 23.6 | 26.0 - 27.1 | 32.7 - 34.5 | 54.0 | 46.0 | 50.6 | 0.482 |
| 40-1 | M40 x 1.5 | 1 ¼" or 1 ½" | 16 | 130 | 28.8 | 31.8 | 34.8 - 35.8 | 41.1 - 43.3 | 57.0 | 55.0 | 60.5 | 0.706 |
| 50-1 | M50 x1.5 | 2" | 16 | 200 | 35.2 | 37.0 | 40.0 - 40.6 | 47.3 - 49.4 | 66.0 | 65.0 | 71.5 | 0.989 |
| 63-1 | M63 x 1.5 | 2 ½" | 19 | 300 | 48.0 | 48.0 | 50.5 - 51.9 | 59.4 - 61.4 | 67.0 | 80.0 | 88.0 | 1.410 |
| 75-1 | M75 x 1.5 | 3" | 19 | 325 | 59.3 | 59.3 | 62.9 - 63.9 | 72.1 - 74.1 | 67.0 | 98.8 | 108.7 | 1.945 |
| 75-2 | M75 x 1.5 | 3" | 19 | 425 | 60.8 | 68.0 | 77.9 - 78.7 | 87.8 - 90.0 | 67.0 | 104.7 | 115.2 | 2.338 |

### NOTES

- Gland size does not necessarily equate to the entry thread size.
- All brass entry threads are Nickel Plated as standard.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- It is the installer's responsibility to ensure that the conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers.
- When selecting IP Washer & Shroud material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- The gland is supplied with the correct amount of the two-part compound, gloves and instructions to allow one complete termination.
- Where approval in addition to UKEX, ATEX and IECEx is required, this must be clearly requested at time of enquiry / order.