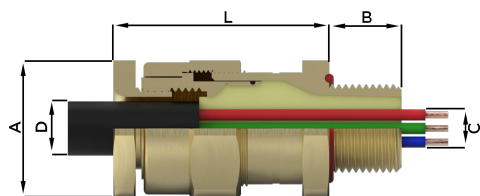




PRODUCT TYPE CR-X

Single Compression Gland designed for use with Unarmoured Cable featuring Peppers T-1000 Compound

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx d : AEx e : AEx ta



REFERENCE NUMBER: 4.2.0

EXAMPLE PART NUMBERING:
CR-XB/NP/20/M20

| | |
|--------------|--|
| CR-X | Peppers T-1000 Compound (Barrier) Gland designed for use with unarmoured cable |
| B | Brass (B) / Stainless Steel (S) |
| C | PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3) |
| K-V-H | Locknut, & Nylon (K), Fibre (V) or PTFE (H) IP Washer |
| T | Including Earth Tag |
| S | Including Serrated Washer |
| 1 | Quantity per kit |
| NP | Nickel Plated |
| 20 | Gland shell size |
| M20 | M20 x 1.5 Male Entry Thread |

OPTIONAL ACCESSORIES:

| | |
|-------------------------|--|
| LOCKNUT | Brass (ACBLN) / Stainless Steel (ACSLN) |
| EARTH TAG | Brass (ACBET) / Stainless Steel (ACSET) |
| IP WASHERS | Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW) |
| SERRATED WASHERS | Stainless Steel (ACSSW) |
| SHROUDS | PVC (ACSPVC) / PCP (ACSPCP) / Silicone LSOH (ACSSIO) |

| | |
|------------------------|---|
| IP RATING: | IP66 & IP68 (100 metres - 7 Days), Type 4X & DTS01:1991 |
| OPERATING TEMP: | -60°C to +135°C |
| MATERIALS: | Brass or Stainless Steel |
| PLATING: | Electroless Nickel |
| COMPOUND: | Peppers T-1000 Sealing Compound |

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

| Gland size | Entry Thread Size | | Metric Thread Length [B] | Gland Seal Range - Cable Sheath & Cores | | | Nominal Protusion Length [L] Metric | Dimensions/Weight (Metric) | | | Shroud Size (Metric) |
|------------|-------------------|------------------|--------------------------|---|----------------------|----------------------|-------------------------------------|----------------------------|----------------|------------|----------------------|
| | Metric | NPT | | Max Number of cores [C] | Max Ø Over Cores [C] | Max Outer Sheath [D] | | Across Flats [A] | Across Corners | Weight Kgs | |
| 20S | M20 x 1.5 | 1/2" or 3/4" | 16 | 35 | 10.4 | 11.7 | 42 | 25.4 | 28.0 | 0.126 | L24 |
| 20 | M20 x 1.5 | 1/2" or 3/4" | 16 | 40 | 12.5 | 14.0 | 44 | 30.0 | 33.0 | 0.167 | L30 |
| 25 | M25 x 1.5 | 3/4" or 1" | 16 | 60 | 17.8 | 20.0 | 48 | 37.6 | 41.4 | 0.260 | L38 |
| 32 | M32 x 1.5 | 1" or 1 1/4" | 16 | 80 | 23.5 | 26.3 | 53 | 46.0 | 50.6 | 0.396 | L46 |
| 40 | M40 x 1.5 | 1 1/4" or 1 1/2" | 16 | 130 | 28.8 | 32.2 | 54 | 55.0 | 60.5 | 0.600 | L55 |
| 50S | M50 x 1.5 | 1 1/2" or 2" | 16 | 200 | 34.2 | 38.2 | 54 | 65.0 | 71.5 | 0.710 | L65 |
| 50 | M50 x 1.5 | 2" | 16 | 400 | 39.4 | 44.1 | 54 | 65.0 | 71.5 | 0.710 | L65 |
| 63S | M63 x 1.5 | 2" or 2 1/2" | 19 | 400 | 44.8 | 50.1 | 55 | 80.0 | 88.0 | 1.054 | L80 |
| 63 | M63 x 1.5 | 2 1/2" | 19 | 425 | 50.0 | 56.0 | 55 | 80.0 | 88.0 | 1.054 | L80 |
| 75S | M75 x 1.5 | 2 1/2" or 3" | 19 | 425 | 55.4 | 62.0 | 60 | 90.0 | 99.0 | 1.318 | L90 |
| 75 | M75 x 1.5 | 3" | 19 | 425 | 60.8 | 68.0 | 60 | 90.0 | 99.0 | 1.318 | L90 |
| 80 | M80 x 2.0 | 3" or 3 1/2" | 25 | 425 | 64.4 | 72.0 | 80 | 104.0 | 115.2 | 2.734 | L104 |
| 85 | M85 x 2.0 | 3" or 3 1/2" | 25 | 425 | 69.8 | 78.0 | 80 | 104.0 | 115.2 | 2.282 | L104 |
| 90 | M90 x 2.0 | 3 1/2" or 4" | 25 | 425 | 75.1 | 84.0 | 85 | 114.0 | 125.7 | 2.854 | L114 |
| 100 | M100 x 2.0 | 3 1/2" or 4" | 25 | 425 | 80.5 | 90.0 | 85 | 114.0 | 125.7 | 2.453 | L114 |

NOTES

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- 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 cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and 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.
- 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 ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.

PART NUMBERS:

| | | | |
|---|---|---|---|
| C | R | X | B |
| | | | S |



PRODUCT DESCRIPTION

"CR-X" type glands, approved for use with any shape cable, are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Group I Mining, 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 d & IP seal on the cable inner cores (or flying leads), eliminating damage to cables that exhibit "cold flow" characteristics. The unique features include Peppers T-1000, the sealing compound that enables a quick and easy installation and an innovative barrier chamber that allows for a full inspection of the compound fill. The gland maintains IP66 & IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot. It is supplied with an IP O-ring seal as standard on metric entry threads.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529
C22.2 (see certificate), CAN/CSA 60079-0/1/7, UL514B, UL1203, UL2225, UL50E
ANSI/UL 60079-0/1/7, ISA 60079-31

CERTIFICATION:

| | |
|-------------------------|---|
| 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 ta IIIC Da / Ex nR IIC Gc |
| CEC - Canada | Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 Ex d IIC / Ex e II |
| NEC - USA | Class I Division 2, Groups A,B,C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X |
| EAC | Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb |
| INMETRO - Brazil | Class II Zone 20 AEx ta IIIC Da |
| SAC - China | PB Ex d I Mb / 1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X |
| UKRAINE | Ex d IIC Gb |
| CCoE - India | Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2) |
| ABS | Specified ABS Rules |
| LLOYD'S | Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da |
| RMRS | Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIIC / Ex tb IIIC |
| ATEX | SIRA 03ATEX1479X & SIRA 09ATEX4124X |
| IECEx | IECEx SIR 07.0098X |
| CEC - Canada | CSA 1356011 |
| NEC - USA | CSA 2627370 |
| EAC | TC RU C-GB.BH02.B.00693-18 |
| INMETRO - Brazil | NCC 13.2188 X |
| SAC - China | Nepsi GYJ16.1401X |
| UKRAINE | UA.TR.047.C.0408-13 & 2937 |
| CCoE - India | PESO P365300/4 & P365300/10 |
| ABS | 14-LD463991A-1-PDA |
| LLOYD'S | 10/00056(E1) |
| RMRS | 14.02755.315 |

CERTIFICATION No:

CURING TIME:

@ 21°C Conductor termination can be effected after 1 hour. Compound chamber can be fully inspected after 4 hours and the equipment then energised.