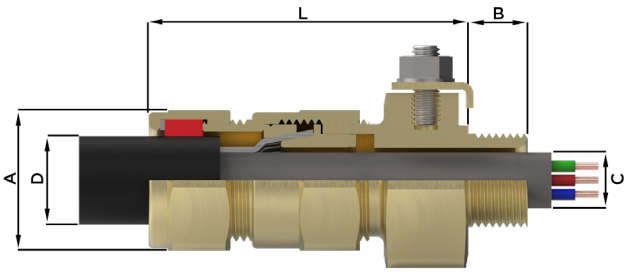




PRODUCT TYPE C*IE

Single Compression Gland for Armoured Cable featuring Dedicated Armour Clamping and an Integral Earth Connection for HV Cables

IEC 62444 : EN 62444 : BS 6121 : IP66



PRODUCT DESCRIPTION

"C*IE" type single compression gland is suitable for cables that exhibit "cold flow" characteristics, whilst providing a controlled IP and environmental seal on the outer sheath and a detachable armour specific clamping system for wire (W), braid/tape (X) armoured cables. The Integral Earth, "IE" version, allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with LSOH cables and extreme temperature applications.

EXAMPLE PART NUMBERING:
C1WBIE/NP/20/05ONPT

| | |
|---------------|--|
| C | Gland featuring armour specific clamping |
| 1 | Neoprene Seals (1) - Silicone Seals (3) |
| W | SWA (W) / SWB or STA (X) |
| B | Aluminium (A) / Brass (B) / Stainless Steel (S) |
| IE | Integral Earth |
| R | Reduced Bore Seal |
| C | PVC Shroud (C) - PCP Shroud (P) - LSOH Silicone Shroud (3) |
| K-V-H | Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer |
| S | Including Serrated Washer |
| 1 | Quantity per kit |
| NP | Nickel Plated |
| 20 | Gland shell size |
| 05ONPT | 1/2"NPT Male Entry Thread |

COMPLIANCE STANDARDS:

IEC 62444
EN 62444
BS 6121

OPTIONAL ACCESSORIES:

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

| | |
|------------------------|---|
| IP RATING: | IP66 |
| OPERATING TEMP: | Neoprene Seals -35°C to +90°C Silicone Seals -60°C to +180°C |
| MATERIALS: | Aluminium, Brass or Stainless Steel |
| PLATING: | Electroless Nickel |

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

| Gland Size | Entry Thread Size | | Metric Thread Length [B] | Cable Acceptance Details | | | | | | Armour Acceptance Range | | Nominal Protrusion Length [L] | Dimensions/Weight (Metric) | | |
|------------|-------------------|------------------|--------------------------|--------------------------|------|------------------|-------|-------------|------|-------------------------|-----------|-------------------------------|----------------------------|----------------|--------------|
| | Metric | NPT | | Inner Sheath [C] | | Outer Sheath [D] | | Reduced [D] | | W | X | | Across Flats [A] | Across Corners | Weight (Kgs) |
| | | | | Min | Max | Min | Max | Min | Max | | | | | | |
| 16 | M16 x 1.5 | 1/2" or 3/4" | 16 | N/A | 8.4 | 8.4 | 13.5 | 4.9 | 10.3 | 0.90 | 0.15-0.35 | 72 | 24.0 | 26.5 | 0.237 |
| 16 | M20 x 1.5 | 1/2" or 3/4" | 16 | N/A | 8.4 | 8.4 | 13.5 | 4.9 | 10.3 | 0.90 | 0.15-0.35 | 72 | 24.0 | 26.5 | 0.248 |
| 20S | M20 x 1.5 | 1/2" or 3/4" | 16 | N/A | 11.7 | 11.5 | 16.0 | 9.4 | 12.5 | 0.90-1.25 | 0.15-0.35 | 72 | 24.0 | 26.5 | 0.213 |
| 20 | M20 x 1.5 | 1/2" or 3/4" | 16 | N/A | 14.0 | 15.5 | 21.1 | 12.0 | 17.6 | 0.90-1.25 | 0.15-0.50 | 72 | 30.0 | 33.0 | 0.323 |
| 25 | M25 x 1.5 | 3/4" or 1" | 16 | N/A | 20.0 | 20.3 | 27.4 | 16.8 | 23.9 | 1.25-1.60 | 0.15-0.55 | 72 | 36.7 | 41.4 | 0.385 |
| 32 | M32 x 1.5 | 1" or 1 1/4" | 16 | N/A | 26.3 | 26.7 | 34.0 | 23.2 | 30.5 | 1.60-2.00 | 0.20-0.60 | 81 | 46.0 | 50.6 | 0.636 |
| 40 | M40 x 1.5 | 1 1/4" or 1 1/2" | 16 | N/A | 32.2 | 33.0 | 40.6 | 28.6 | 36.2 | 1.60-2.00 | 0.20-0.60 | 94 | 55.0 | 60.5 | 0.967 |
| 50S | M50 x 1.5 | 1 1/2" or 2" | 16 | N/A | 38.2 | 39.4 | 46.7 | 34.8 | 42.4 | 2.00-2.50 | 0.30-0.80 | 95 | 65.0 | 71.5 | 1.383 |
| 50H | M50 x 1.5 | 1 1/2" or 2" | 16 | N/A | 38.2 | 45.7 | 53.2 | 41.1 | 48.5 | 2.00-2.50 | 0.30-0.80 | 95 | 65.0 | 71.5 | 1.292 |
| 50 | M50 x 1.5 | 2" | 16 | N/A | 44.1 | 45.7 | 53.2 | 41.1 | 48.5 | 2.00-2.50 | 0.30-0.80 | 95 | 65.0 | 71.5 | 1.088 |
| 63S | M63 x 1.5 | 2" or 2 1/2" | 19 | N/A | 50.1 | 52.1 | 59.5 | 47.5 | 54.8 | 2.50 | 0.30-0.80 | 101 | 80.0 | 88.0 | 2.091 |
| 63H | M63 x 1.5 | 2" or 2 1/2" | 19 | N/A | 50.1 | 58.4 | 68.5 | 53.8 | 61.2 | 2.50 | 0.30-0.80 | 101 | 80.0 | 88.0 | 2.132 |
| 63 | M63 x 1.5 | 2 1/2" | 19 | N/A | 56.0 | 58.4 | 68.5 | 53.8 | 61.2 | 2.50 | 0.30-1.00 | 101 | 80.0 | 88.0 | 1.748 |
| 75S | M75 x 1.5 | 2 1/2" or 3" | 19 | N/A | 62.0 | 64.8 | 72.2 | 60.2 | 68.0 | 2.50 | 0.30-1.00 | 107 | 90.0 | 99.0 | 2.463 |
| 75H | M75 x 1.5 | 2 1/2" or 3" | 19 | N/A | 62.0 | 71.1 | 78.0 | 66.5 | 73.4 | 2.50 | 0.30-1.00 | 107 | 90.0 | 99.0 | 2.355 |
| 75 | M75 x 1.5 | 3" | 19 | N/A | 68.0 | 71.1 | 78.0 | 66.5 | 73.4 | 2.50 | 0.30-1.00 | 107 | 90.0 | 99.0 | 2.007 |
| 80 | M80 x 2.0 | 3" or 3 1/2" | 25 | N/A | 72.0 | 77.0 | 84.0 | 71.9 | 79.4 | 3.15 | 0.45-1.00 | 132 | 104.0 | 115.2 | 3.692 |
| 80H | M80 x 2.0 | 3" or 3 1/2" | 25 | N/A | 72.0 | 79.6 | 90.0 | 75.0 | 85.4 | 3.15 | 0.45-1.00 | 132 | 104.0 | 115.2 | 3.463 |
| 85 | M85 x 2.0 | 3" or 3 1/2" | 25 | N/A | 78.0 | 79.6 | 90.0 | 75.0 | 85.4 | 3.15 | 0.45-1.00 | 132 | 104.0 | 115.2 | 3.197 |
| 90 | M90 x 2.0 | 3 1/2" or 4" | 25 | N/A | 84.0 | 88.0 | 96.0 | 82.0 | 91.4 | 3.15 | 0.45-1.00 | 132 | 114.0 | 125.7 | 3.900 |
| 90H | M90 x 2.0 | 3 1/2" or 4" | 25 | N/A | 84.0 | 92.0 | 102.0 | 87.4 | 97.4 | 3.15 | 0.45-1.00 | 132 | 114.0 | 125.7 | 3.677 |
| 100 | M100 x 2.0 | 3 1/2" or 4" | 25 | N/A | 90.0 | 92.0 | 102.0 | 87.4 | 97.4 | 3.15 | 0.45-1.00 | 132 | 114.0 | 125.7 | 3.404 |

NOTES

- Gland size does not necessarily equate to the entry thread size.
- 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.
- 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.