

## C2KGP

### C2KGP Single Seal Industrial Cable Gland

#### For all types of Armoured Cables

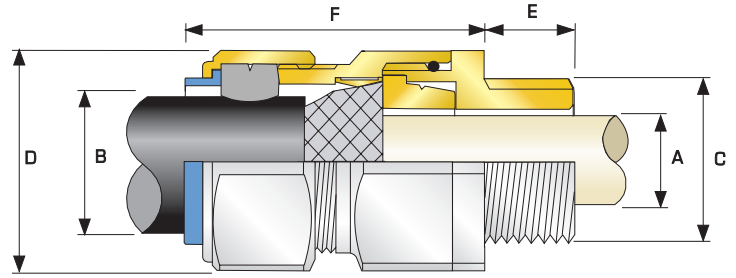
- High quality durable materials
- Robust, heavy duty design
- Metal-to-metal armour clamping
- Direct & remote installation
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- -60°C to +130°C
- EMC tested



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W).

Note: Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below.

Stepped (W) Cone is suitable for Single Wire Armour (SWA), or Aluminium Wire Armour (AWA) cables.



#### TECHNICAL DATA

|                              |   |
|------------------------------|---|
| Design Specification         | BS 6121:Part 1:1989, IEC 62444, EN 62444  |
| Mechanical Classifications*  | Impact = Level 8, Retention = Class D   |
| Enclosure Protection         | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only  |
| Electrical Classifications*  | Category B (Category A when used with braid, tape or pliable wire armour cables)  |
| GOST R Certificate           | POCC GB.ГБ 05.H00187  |
| GOST K Certificate           | KZ 7500361.01.01.25266  |
| RoK Permit For Use           | 19-02-UL-1957   |
| Marine Approvals             | LRS: 01/00171 (E1)  |
| Ingress Protection Rating    | IP66, IP67 & IP68**   |
| Deluge Protection Compliance | DTS01 : 91  |
| Cable Gland Material         | Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium  |
| Seal Material                | CMP Thermoset Rubber  |
| Cable Type                   | Single Wire Armour (SWA), Aluminium Wire Armour (AWA), Steel Tape Armour (STA), Aluminium Strip Armour (ASA), Wire Braid Armour, Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA) |
| Armour Clamping              | Reversible Armour Cone & AnyWay Universal Clamping Ring   |
| Sealing Technique            | Unique CMP 'LRS' Outer Seal (Load Retention Seal)   |
| Sealing Area(s)              | Cable Outer Sheath  |

Note : \* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

Note : \*\* Refer to page 7 or [www.cmp-products.com](http://www.cmp-products.com) for further information on Ingress Protection Ratings

#### Cable Gland Selection Table

Refer to illustration at the top of the page

| Cable Gland Size | Available Entry Threads "C"<br>(Alternate Metric Thread Lengths Available) |                            | Cable Bedding Diameter "A" | Overall Cable Diameter "B" |       | Armour Range †   |     |                  |      | Across Flats "D" | Across Corners "D" | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) |       |                 | Shroud | Cable Gland Weight (Kgs) |
|------------------|--|----------------------------|----------------------------|----------------------------|-------|------------------|-----|------------------|------|------------------|--------------------|-----------------------|---|-------|-----------------|--------|--------------------------|
|                  |  |                            |                            |                            |       | Grooved Cone (X) |     | Stepped Cone (W) |      |                  |                    |                       | Size  | Type  | Ordering Suffix |        |                          |
|                  | Metric   | Thread Length (Metric) "E" |                            | Max                        | Min   | Max              | Min | Max              | Min  | Max              | Max                |                       |   |       |                 |        |                          |
| 20s16            | M20  | 10.0                       | 8.7                        | 6.1                        | 13.1  | 0.3              | 1.0 | 0.8              | 1.25 | 30.5             | 33.6               | 65.0                  | 20S16                                       | C2KGP | 1RA             | PVC04  | 0.23                     |
| 20S              | M20  | 10.0                       | 11.7                       | 9.5                        | 15.9  | 0.3              | 1.0 | 0.8              | 1.25 | 30.5             | 33.6               | 62.0                  | 20S   | C2KGP | 1RA             | PVC04  | 0.22                     |
| 20               | M20  | 10.0                       | 14.0                       | 12.5                       | 20.9  | 0.4              | 1.0 | 0.8              | 1.25 | 30.5             | 33.6               | 63.0                  | 20  | C2KGP | 1RA             | PVC06  | 0.22                     |
| 25S              | M25  | 10.0                       | 20.0                       | 14.0                       | 22.0  | 0.4              | 1.2 | 1.25             | 1.6  | 37.5             | 41.3               | 69.5                  | 25S   | C2KGP | 1RA             | PVC09  | 0.35                     |
| 25               | M25  | 10.0                       | 20.0                       | 18.2                       | 26.2  | 0.4              | 1.2 | 1.25             | 1.6  | 37.5             | 41.3               | 69.5                  | 25  | C2KGP | 1RA             | PVC09  | 0.35                     |
| 32               | M32  | 10.0                       | 26.3                       | 23.7                       | 33.9  | 0.4              | 1.2 | 1.6              | 2.0  | 46.0             | 50.6               | 75.0                  | 32  | C2KGP | 1RA             | PVC11  | 0.55                     |
| 40               | M40  | 15.0                       | 32.2                       | 27.9                       | 40.4  | 0.4              | 1.6 | 1.6              | 2.0  | 55.0             | 60.5               | 75.0                  | 40  | C2KGP | 1RA             | PVC15  | 0.75                     |
| 50S              | M50  | 15.0                       | 38.2                       | 35.2                       | 46.7  | 0.4              | 1.6 | 2.0              | 2.5  | 60.0             | 66.0               | 77.0                  | 50S   | C2KGP | 1RA             | PVC18  | 0.86                     |
| 50               | M50  | 15.0                       | 44.1                       | 40.4                       | 53.0  | 0.6              | 1.6 | 2.0              | 2.5  | 70.1             | 77.1               | 77.0                  | 50  | C2KGP | 1RA             | PVC21  | 1.13                     |
| 63S              | M63  | 15.0                       | 50.0                       | 45.6                       | 59.4  | 0.6              | 1.6 | 2.0              | 2.5  | 75.0             | 82.5               | 80.0                  | 63S   | C2KGP | 1RA             | PVC23  | 1.33                     |
| 63               | M63  | 15.0                       | 56.0                       | 54.6                       | 65.8  | 0.6              | 1.6 | 2.0              | 2.5  | 80.0             | 88.0               | 80.0                  | 63  | C2KGP | 1RA             | PVC25  | 1.34                     |
| 75S              | M75  | 15.0                       | 62.0                       | 59.0                       | 72.0  | 0.6              | 1.6 | 2.0              | 2.5  | 90.0             | 99.0               | 87.0                  | 75S   | C2KGP | 1RA             | PVC28  | 2.02                     |
| 75               | M75  | 15.0                       | 68.0                       | 66.7                       | 78.4  | 0.6              | 1.6 | 2.5              | 3.0  | 100.0            | 110.0              | 88.0                  | 75  | C2KGP | 1RA             | PVC30  | 2.48                     |
| 90               | M90  | 24.0                       | 80.0                       | 76.2                       | 90.3  | 0.8              | 1.6 | 3.15             | 4.0  | 115.0            | 126.5              | 102.0                 | 90  | C2KGP | 1RA             | PVC32  | 3.52                     |
| 100              | M100   | 24.0                       | 91.0                       | 86.1                       | 101.4 | 0.8              | 1.6 | 3.15             | 4.0  | 127.0            | 139.7              | 114.0                 | 100   | C2KGP | 1RA             | LSF33  | 4.57                     |
| 115              | M115   | 24.0                       | 98.0                       | 101.5                      | 110.2 | 0.8              | 1.6 | 3.15             | 4.0  | 133.4            | 146.7              | 114.0                 | 115   | C2KGP | 1RA             | LSF34  | 6.50                     |
| 130              | M130   | 24.0                       | 115.0                      | 110.2                      | 123.2 | 0.8              | 1.6 | 3.15             | 4.0  | 152.4            | 167.6              | 114.0                 | 130   | C2KGP | 1RA             | LSF35  | 8.50                     |

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1' For NPT options please add the following digits to the material suffix; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32C2KGP1RA534 = Nickel Plated Brass 1-1/4" NPT, 50S2C2KGP1RA035 = Brass 1-1/2" NPT, 25C2KGP1RA432 = Stainless Steel 3/4" NPT, 20C2KGP1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated