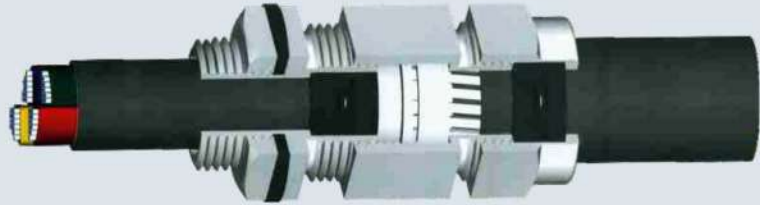


# HEX WEATHER PROOF DOUBLE COMPRESSION TYPE CABLE GLANDS

## TECHNICAL DATA :

|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Material            | : Brass as per IS 319<br>Also available in<br>Al./S.S./M.S.                                 |
| Plating             | : Nickel Standard<br>Chrome on request                                                      |
| Entry Threads       | : BSC Standard<br>Also available in<br>PG/Metric/NPT/BSP/ET                                 |
| Sealing Rubber Ring | : Natural / Neoprene                                                                        |
| Gland Standard      | : BS 6121-1:2005                                                                            |
| Ingress Protection  | : IP-67 as per<br>IS/IEC 60529                                                              |
| Test Cert.No.       | : E-2327 - URL No. TC574319000125500F (Dt.31.12.2019)<br>: CIMFR/TC/P/H/419 (Dt.04.09.2012) |
| Series              | : HCGW<br>(For Strip/Flat Armoured Cable)                                                   |



## APPLICATION :

These glands are used under most climatic conditions and are used in corrosive conditions when protected by a shroud.

## PARTS OF GLAND :

- |                               |                               |
|-------------------------------|-------------------------------|
| 1) Brass Check Nut            | 2) Rubber Washer              |
| 3) Brass Gland Body           | 4) Rubber Inner Seal          |
| 5) Brass Armour Clamping Cone | 6) Brass Armour Clamping Ring |
| 7) Brass Armour Clamping Nut  | 8) Rubber Outer Seal          |
| 9) Brass Compression Nut      |                               |

All metal parts are accurately machined for ease of assembly.

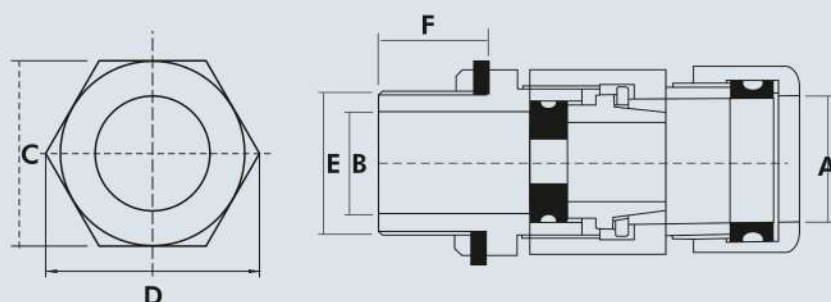
## ACCESSORIES :

Shrouds and Earth Tags are supplied separately and should be specified when ordering the gland.

## ASSEMBLY SEQUENCE :

- Engage & tighten item 2 and 3 into apparatus (Secure with item 1 if plain hole entry).
- Pass item 9, 8 and 7 respectively over the cable before commencing to strip outer sheath.
- Remove the sheath to the desired length depending on the lengths of leads required and pass item 6 over the exposed armour.
- Cut the armour to length, lift wire ends, pass item 5 over the exposed beath the armour.
- Insert items 4 and 3 on the bedding of the cable.
- Engage and tighten items 7 and 3.
- Engage and tighten items 9 and 7.

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| Suitable Cable.<br>Overall Dia.(mm) |        | A<br>Dia | B<br>Dia | C<br>(A / F) | D<br>(A / C) | E<br>Nipple Entry Thread |            |            | Length | F<br>Product<br>Code |
|-------------------------------------|--------|----------|----------|--------------|--------------|--------------------------|------------|------------|--------|----------------------|
| From                                | To     | mm       | mm       | mm           | mm           | Inch                     | mm         | npt        | mm     |                      |
| 6.00                                | 13.00  | 15.00    | 12.50    | 22.00        | 25.00        | 3/4"                     | M20 X 1.5  | 1/2" NPT   | 15.00  | HCGW 01SS            |
| 13.00                               | 16.50  | 17.00    | 14.50    | 25.00        | 28.00        | 3/4"                     | M20 X 1.5  | 1/2" NPT   | 15.00  | HCGW 01S             |
| 16.50                               | 18.50  | 19.00    | 14.50    | 27.50        | 31.50        | 3/4"                     | M20 X 1.5  | 1/2" NPT   | 15.00  | HCGW 01              |
| 16.50                               | 18.50  | 19.00    | 14.50    | 27.50        | 31.50        | 1"                       | M25 X 1.5  | 3/4" NPT   | 15.00  | HCGW 01A             |
| 18.50                               | 20.00  | 22.00    | 14.50    | 31.00        | 36.00        | 1"                       | M25 X 1.5  | 3/4" NPT   | 15.00  | HCGW 02              |
| 18.50                               | 20.00  | 22.00    | 19.00    | 31.00        | 36.00        | 3/4"                     | M20 X 1.5  | 1/2" NPT   | 15.00  | HCGW 02A             |
| 20.00                               | 23.00  | 23.00    | 19.00    | 31.00        | 36.00        | 1"                       | M25 X 1.5  | 3/4" NPT   | 15.00  | HCGW 03              |
| 23.00                               | 26.00  | 27.00    | 20.50    | 37.00        | 42.00        | 1"                       | M25 X 1.5  | 3/4" NPT   | 15.00  | HCGW 04              |
| 23.00                               | 26.00  | 27.00    | 20.50    | 37.00        | 44.00        | 1 1/4"                   | M32 X 1.5  | 1" NPT     | 15.00  | HCGW 04A             |
| 26.00                               | 30.00  | 30.00    | 25.50    | 41.00        | 47.00        | 1 1/4"                   | M32 X 1.5  | 1" NPT     | 15.00  | HCGW 05              |
| 26.00                               | 30.00  | 30.00    | 26.00    | 41.00        | 47.00        | 1 1/2"                   | M40 X 1.5  | 1 1/4" NPT | 15.00  | HCGW 05A             |
| 30.00                               | 33.00  | 34.00    | 31.50    | 46.00        | 53.50        | 1 1/2"                   | M40 X 1.5  | 1 1/4" NPT | 15.00  | HCGW 06              |
| 30.00                               | 33.00  | 34.00    | 27.00    | 46.00        | 53.50        | 1 1/4"                   | M32 X 1.5  | 1" NPT     | 15.00  | HCGW 06A             |
| 33.00                               | 37.00  | 39.00    | 31.00    | 51.00        | 59.00        | 1 1/2"                   | M40 X 1.5  | 1 1/4" NPT | 15.00  | HCGW 07              |
| 37.00                               | 41.00  | 43.00    | 44.00    | 56.00        | 64.50        | 2"                       | M50 X 1.5  | 1 1/2" NPT | 16.00  | HCGW 08              |
| 41.00                               | 46.00  | 47.00    | 40.00    | 58.00        | 67.00        | 2"                       | M50 X 1.5  | 1 1/2" NPT | 16.00  | HCGW 09              |
| 46.00                               | 52.00  | 53.00    | 45.00    | 66.00        | 76.00        | 2"                       | M50 X 1.5  | 1 1/2" NPT | 16.00  | HCGW 010             |
| 46.00                               | 52.00  | 53.00    | 48.00    | 66.00        | 76.00        | 2 1/2"                   | M63 X 1.5  | 2" NPT     | 16.00  | HCGW 010A            |
| 52.00                               | 56.00  | 58.00    | 56.00    | 74.00        | 85.00        | 2 1/2"                   | M63 X 1.5  | 2" NPT     | 16.00  | HCGW 011S            |
| 54.00                               | 61.00  | 61.00    | 56.00    | 79.00        | 90.50        | 2 1/2"                   | M63 X 1.5  | 2" NPT     | 20.00  | HCGW 011             |
| 61.00                               | 66.00  | 67.00    | 65.00    | 83.00        | 95.00        | 3"                       | M75 X 1.5  | 2 1/4" NPT | 20.00  | HCGW 012             |
| 66.00                               | 72.00  | 72.00    | 67.00    | 90.50        | 104.00       | 3"                       | M75 X 1.5  | 2 1/4" NPT | 20.00  | HCGW 013A            |
| 72.00                               | 78.00  | 79.00    | 74.00    | 98.00        | 113.00       | 3 1/4"                   | M82 X 1.5  | 2 1/2" NPT | 20.00  | HCGW 013             |
| 78.00                               | 84.00  | 85.00    | 80.00    | 106.00       | 122.00       | 3 1/4"                   | M82 X 1.5  | 2 1/2" NPT | 20.00  | HCGW 014             |
| 84.00                               | 94.00  | 97.00    | 90.00    | 113.00       | 130.00       | 4"                       | M100 X 1.5 | 3" NPT     | 20.00  | HCGW 015             |
| 94.00                               | 104.00 | 105.00   | 101.50   | 126.50       | 146.00       | 4 1/2"                   | M115 X 1.5 | 3 1/2" NPT | 20.00  | HCGW 016             |