

# POLARIS INTERNATIONAL CABLE GLAND

FOR A SAFER TOMORROW



# A1 / A2 BRASS GLAND

## A1 / A2 GLAND FOR UNARMoured CABLE

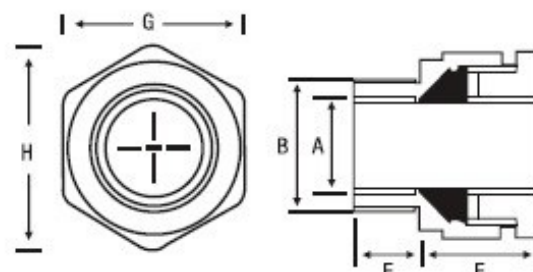
- To BS 6121: Part 1
- Suitable for unarmored, plastic or rubber sheathed cables.
- Suitable for most indoor and outdoor applications
- Seal rated to IP66
- Finish : Natural Brass and also available in Electro Tinned and Nickel



## A2 FLAMEPROOF FOR UNARMoured CABLE

Apart from above benefits they come with these additional benefits

- For use in Hazardous environments
- Complies with BS5501 Pt1 and Pt6
- A2F for flame proof increased safety applications
- Threads : Entry threads are metric to BS 3643 and are also available in imperial (ET)



| Size | Cable Dimensions<br>accommodate |         | Gland Dimensions |        |                                   |              |                   | Product<br>Code |
|------|---------------------------------|---------|------------------|--------|-----------------------------------|--------------|-------------------|-----------------|
|      | Overall Diameter A              |         | ISO Entry Thread |        | Approx<br>length from<br>shoulder | Hexagon Size |                   |                 |
|      | Min. mm                         | Max. mm | Dia.             | Length |                                   | Across flat  | Across<br>corners |                 |
|      |                                 |         | D mm             | E mm   | F mm                              | G mm         | H mm              |                 |
| 16   | 4.5                             | 8.5     | 16               | 10     | 20                                | 20           | 23                | AA2 16          |
| 20 S | 8                               | 11.5    | 20               | 10     | 22                                | 22           | 25                | AA2 20S         |
| 20   | 11                              | 14      | 20               | 10     | 22                                | 22           | 25                | AA2 20          |
| 25 S | 14                              | 17.5    | 20               | 10     | 25                                | 30           | 34                | AA2 25 S        |
| 25   | 17.5                            | 20.4    | 25               | 10     | 26                                | 30           | 34                | AA2 25          |
| 32   | 20                              | 26      | 32               | 10     | 30                                | 36           | 40                | AA2 32          |
| 40 S | 26                              | 30      | 40               | 10     | 31                                | 46           | 52                | AA2 40 S        |
| 40   | 30                              | 33      | 40               | 15     | 31                                | 46           | 52                | AA2 40          |
| 50 S | 33                              | 38      | 50               | 15     | 33                                | 55           | 61                | AA2 50 S        |
| 50   | 38                              | 44      | 50               | 15     | 33                                | 56           | 62                | AA2 50          |
| 63 S | 44                              | 50.5    | 63               | 15     | 35                                | 70           | 77.5              | AA2 63 S        |
| 63   | 50                              | 56      | 63               | 15     | 35                                | 70           | 77.5              | AA2 63          |
| 75 S | 56.5                            | 62      | 75               | 15     | 35                                | 80           | 89                | AA2 75 S        |
| 75   | 62                              | 68      | 75               | 15     | 40                                | 80           | 89                | AA2 75          |
| 90   | 68                              | 78      | 90               | 20     | 45                                | 100          | 112               | AA2 90          |
| 100  | 78                              | 88      | 100              | 20     | 45                                | 112          | 125               | AA2 100         |

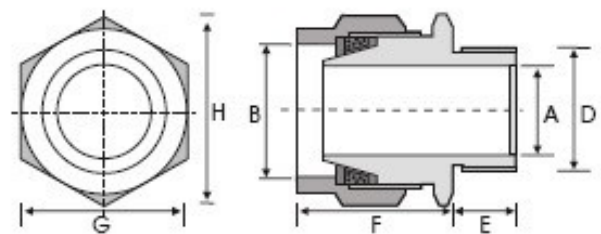
# BW BRASS GLAND (2 PARTS)

## APPLICATION

- For use with armor or braided cable, secures armoring & provides electrical continuity between armor & gland entry component made used it dry and indoor condition

## FEATURES

- To BS 6121: Part 1
- IP 54
- Finish : Natural Brass and also available in Electro Tinned and Nickel
- Threads: Entry threads are metric to BS3643 and are also available In Imperial (ET)
- Also available in Aluminum (BS 1474) cable glands



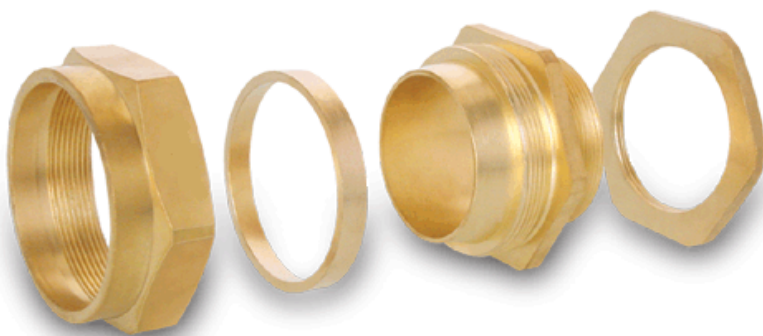
| Size | Cable Dimensions Accommodate |             |            | Gland Dimensions |        |          |              |                | Prod. Code |
|------|------------------------------|-------------|------------|------------------|--------|----------|--------------|----------------|------------|
|      | Under Armour                 | Overall     | Armour     | ISO Entry Thread |        | Approx   | Hexagon Size |                |            |
|      | Dia A Max.                   | Dia. B Max. | wire dia C |                  |        | length   |              |                |            |
|      |                              |             |            |                  |        | from     |              |                |            |
|      | mm                           | mm          | mm         | Dia              | Length | shoulder | Across flat  | Across corners |            |
|      |                              |             |            | D mm             | E mm   | F mm     | G mm         | H mm           |            |
| 16   | 8.6                          | 13.5        | 0.9        | 16               | 10     | 23       | 20           | 23             | ABW 16     |
| 20 S | 12.3                         | 17          | 0.90/1.25  | 20               | 10     | 23       | 23           | 24             | ABW 20 S   |
| 20   | 14.3                         | 20          | 0.90/1.25  | 20               | 10     | 30       | 25           | 27             | ABW 20     |
| 25 S | 18                           | 23.8        | 1.25/1.60  | 25               | 10     | 30       | 31           | 32.5           | ABW 25 S   |
| 25   | 20.4                         | 27          | 1.25/1.60  | 25               | 10     | 32       | 30           | 38.5           | ABW 25     |
| 32   | 26.5                         | 33          | 1.60/2.00  | 32               | 10     | 36       | 41.5         | 45.5           | ABW 32     |
| 40 S | 31                           | 37          | 1.60/2.00  | 40               | 10     | 36       | 45           | 50             | ABW 40S    |
| 40   | 32.5                         | 43          | 1.60/2.00  | 40               | 15     | 40       | 49           | 54             | ABW 40     |
| 50S  | 37.8                         | 48          | 2.00/2.50  | 50               | 15     | 40       | 58           | 65             | ABW 50S    |
| 50   | 44                           | 53          | 2.00/2.50  | 50               | 15     | 45       | 62.3         | 69.5           | ABW 50     |
| 63S  | 50.5                         | 60.5        | 2.5        | 63               | 15     | 45       | 70           | 77             | ABW 63S    |
| 63   | 56.5                         | 65.5        | 2.5        | 63               | 15     | 50       | 76.3         | 85             | ABW 63     |
| 75S  | 62.5                         | 72          | 2.5        | 75               | 15     | 50       | 85           | 95             | ABW 75 S   |
| 75   | 67.5                         | 78.5        | 2.50/3.15  | 75               | 15     | 75       | 90.5         | 99             | ABW 75     |
| 90   | 80                           | 93          | 3.15       | 90               | 20     | 75       | 112          | 125            | ABW 90     |

# BW BRASS GLAND (3 PARTS)

## TECHNICAL SPECIFICATIONS

- Glands- Bodies, Caps & Rings are manufactured from brass.
- Seals- Nitrile rubber
- Shrouds / Sleeves- Black Poly Vinyl Chloride (PVC)
- Earth tag - Natural Brass

Similar in application and design to the BW (2 part) gland, However an extra component is added, a cone ring. This prevents rotation of the wire and is used instead of a knurled cone.



| Size | Cable Dimensions Accomodate |         |                   | Gland Dimensions |        |                             |              |                | Prod. Code |
|------|-----------------------------|---------|-------------------|------------------|--------|-----------------------------|--------------|----------------|------------|
|      | Under Armour                | Overall | Armour wire dia C | ISO Entry Thread |        | Approx length from shoulder | Hexagon Size |                |            |
|      | Dia A Max.                  |         |                   |                  |        |                             |              |                |            |
|      | mm                          | mm      | mm                | Dia              | Length | F mm                        | Across flat  | Across corners |            |
|      |                             |         |                   | D mm             | E mm   |                             | G mm         | H mm           |            |
| 16   | 8.6                         | 13.5    | 0.9               | 16               | 10     | 23                          | 20           | 23             | ABW 16     |
| 20 S | 12.3                        | 17      | 0.90/1.25         | 20               | 10     | 23                          | 23           | 24             | ABW 20 S   |
| 20   | 14.3                        | 20      | 0.90/1.25         | 20               | 10     | 30                          | 25           | 27             | ABW 20     |
| 25 S | 18                          | 23.8    | 1.25/1.60         | 25               | 10     | 30                          | 31           | 32.5           | ABW 25 S   |
| 25   | 20.4                        | 27      | 1.25/1.60         | 25               | 10     | 32                          | 30           | 38.5           | ABW 25     |
| 32   | 26.5                        | 33      | 1.60/2.00         | 32               | 10     | 36                          | 41.5         | 45.5           | ABW 32     |
| 40 S | 31                          | 37      | 1.60/2.00         | 40               | 10     | 36                          | 45           | 50             | ABW 40S    |
| 40   | 32.5                        | 43      | 1.60/2.00         | 40               | 15     | 40                          | 49           | 54             | ABW 40     |
| 50S  | 37.8                        | 48      | 2.00/2.50         | 50               | 15     | 40                          | 58           | 65             | ABW 50S    |
| 50   | 44                          | 53      | 2.00/2.50         | 50               | 15     | 45                          | 62.3         | 69.5           | ABW 50     |
| 63S  | 50.5                        | 60.5    | 2.5               | 63               | 15     | 45                          | 70           | 77             | ABW 63S    |
| 63   | 56.5                        | 65.5    | 2.5               | 63               | 15     | 50                          | 76.3         | 85             | ABW 63     |
| 75S  | 62.5                        | 72      | 2.5               | 75               | 15     | 50                          | 85           | 95             | ABW- 75 S  |
| 75   | 67.5                        | 78.5    | 2.50/3.15         | 75               | 15     | 75                          | 90.5         | 99             | ABW 75     |
| 90   | 80                          | 93      | 3.15              | 90               | 20     | 75                          | 112          | 125            | ABW 90     |

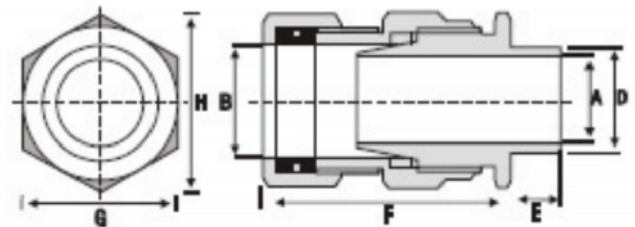
# CW BRASS GLAND (3 PARTS)

## APPLICATION:

- For use with armored cable
- Secures armoring and provides electrical continuity between armor and gland entry component
- Also provides a seal on the outer sheath of the cable thus ensuring no damage to cable sheathing

## DESIGN FEATURES:

- 2 part Armor/Earth Lock,
- Knurled Armor Lock produces a low resistance earth clip
- Finish: Natural Brass and also available in Electro Tinned and Nickel
- For use in hazardous environments
- Complies with BS5501 Pt1 & Pt 6
- CW for flame proof increased safety application



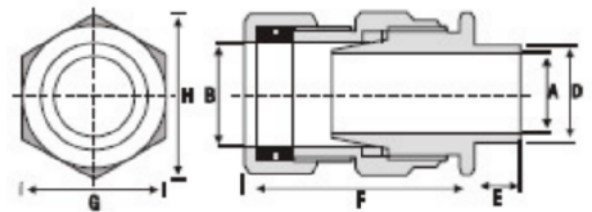
| SIZE | CABLE DIMENSIONS<br>ACCOMMODATE |                |                      | GLAND DIMENSIONS |      |                                      |              |                | PROD.<br>CODE |                   |
|------|---------------------------------|----------------|----------------------|------------------|------|--------------------------------------|--------------|----------------|---------------|-------------------|
|      | UNDER<br>ARMOUR                 | OVERALL        | ARMOUR<br>WIRE DIA C | ISO ENTRY THREAD |      | APPROX<br>LENGTH<br>FROM<br>SHOULDER | HEXAGON SIZE |                |               |                   |
|      | DIA A<br>MAX.                   | DIA. B<br>MAX. |                      |                  |      |                                      |              |                |               |                   |
|      | MM                              | MM             |                      | MM               | DIA  |                                      | LENGTH       | ACROSS<br>FLAT |               | ACROSS<br>CORNERS |
|      |                                 |                |                      |                  | D MM |                                      | E MM         | F MM           |               | G MM              |
| 16   | 8.6                             | 13.5           | 0.9                  | 16               | 10   | 40                                   | 20           | 23             | ACW 16        |                   |
| 20 S | 12.5                            | 17             | 0.90/1.25            | 20               | 10   | 47                                   | 22           | 29             | ACW 20 S      |                   |
| 20   | 14.4                            | 20.5           | 0.90/1.25            | 20               | 10   | 47                                   | 26           | 29             | ACW 20        |                   |
| 25 S | 17.8                            | 23.8           | 1.25/1.60            | 25               | 10   | 50                                   | 31           | 34             | ACW 25 S      |                   |
| 25   | 20.4                            | 27             | 1.25/1.60            | 25               | 10   | 50                                   | 34           | 38.5           | ACW 25        |                   |
| 32   | 26.5                            | 33             | 1.60/2.00            | 32               | 10   | 55                                   | 41.5         | 46.5           | ACW 32        |                   |
| 40 S | 31                              | 37             | 1.60/2.00            | 40               | 10   | 60                                   | 45           | 50             | ACW 40S       |                   |
| 40   | 32.5                            | 40.8           | 1.60/2.00            | 40               | 15   | 60                                   | 49           | 54             | ACW 40        |                   |
| 50S  | 37.8                            | 45             | 2.00/2.50            | 50               | 15   | 65                                   | 51           | 64             | ACW 50S       |                   |
| 50   | 44                              | 51.5           | 2.00/2.50            | 50               | 15   | 65                                   | 62.3         | 69.5           | ACW 50        |                   |
| 63S  | 50.5                            | 60.5           | 2.5                  | 63               | 15   | 70                                   | 70           | 78             | ACW 63S       |                   |
| 63   | 56.5                            | 65.5           | 2.5                  | 63               | 15   | 70                                   | 76.3         | 85             | ACW 63        |                   |
| 75S  | 62.5                            | 72             | 2.5                  | 75               | 15   | 75                                   | 85           | 95             | ACW- 75 S     |                   |
| 75   | 67.5                            | 78.5           | 2.50/3.15            | 75               | 15   | 75                                   | 91           | 112            | ACW 75        |                   |
| 90   | 80                              | 90             | 3.15                 | 90               | 20   | 90                                   | 103          | 115            | ACW 90        |                   |

# CW BRASS GLAND (4 PARTS)

## CW GLAND FOR SWA CABLE

- To BS 6121 : P t1
- Suitable for single wire armored, plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- For use in most climatic conditions weatherproof and waterproof
- Seal rated to IP 66
- Design has separate armour locking ring
- Gland rated to IP66 with use of suitable sealing Washer or thread sealant at gland interface

Finish: Natural Brass and also available in Electro Tinned and Nickel



| Size | Cable Dimensions Accommodate |             |             | Gland Dimensions |        |          |                |                   | Prod.<br>Code |
|------|------------------------------|-------------|-------------|------------------|--------|----------|----------------|-------------------|---------------|
|      | Under<br>Armour              | Overall     | Armour      | ISO Entry Thread |        | Approx   | Hexagon Size   |                   |               |
|      | Dia A Max.                   | Dia. B Max. | wire dia C  |                  |        | length   |                |                   |               |
|      |                              |             |             |                  |        | from     |                |                   |               |
|      | mm                           | mm          | mm          | Dia              | Length | Shoulder | Across<br>flat | Across<br>corners |               |
|      |                              |             |             | D mm             | E mm   | F mm     | G mm           | H mm              |               |
| 16   | 8.6                          | 13.5        | 0.9         | 16               | 10     | 40       | 20             | 23                | ACW 16        |
| 20 S | 12.5                         | 17          | 0.90 / 1.25 | 20               | 10     | 47       | 22             | 29                | ACW 20 S      |
| 20   | 14.4                         | 20.5        | 0.90 / 1.25 | 20               | 10     | 47       | 26             | 29                | ACW 20        |
| 25 S | 17.8                         | 23.8        | 1.25 / 1.60 | 25               | 10     | 50       | 31             | 34                | ACW 25 S      |
| 25   | 20.4                         | 27          | 1.25 / 1.60 | 25               | 10     | 50       | 34             | 38.5              | ACW 25        |
| 32   | 26.5                         | 33          | 1.60 / 2.00 | 32               | 10     | 55       | 41.5           | 46.5              | ACW 32        |
| 40 S | 31                           | 37          | 1.60 / 2.00 | 40               | 10     | 60       | 45             | 50                | ACW 40 S      |
| 40   | 32.5                         | 40.8        | 1.60/2.00   | 40               | 15     | 60       | 49             | 54                | ACW 40        |
| 50S  | 37.8                         | 45          | 2.00 / 2.50 | 50               | 15     | 65       | 51             | 64                | ACW 50 S      |
| 50   | 44                           | 51.5        | 2.00 / 2.50 | 50               | 15     | 65       | 62.3           | 69.5              | ACW 50        |
| 63S  | 50.5                         | 60.5        | 2.5         | 63               | 15     | 70       | 70             | 78                | ACW 63 S      |
| 63   | 56.5                         | 65.5        | 2.5         | 63               | 15     | 70       | 76.3           | 85                | ACW 63        |
| 75S  | 62.5                         | 72          | 2.5         | 75               | 15     | 75       | 85             | 95                | ACW 75 S      |
| 75   | 67.5                         | 78.5        | 2.50 / 3.15 | 75               | 15     | 75       | 91             | 112               | ACW 75        |
| 90   | 80                           | 90          | 3.15        | 90               | 20     | 90       | 103            | 115               | ACW 90        |



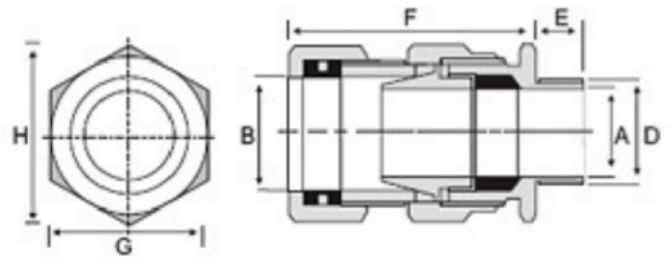
# E1W BRASS GLAND

## APPLICATION

- For use with all types of SWA extruded bedding cable where it is essential to produce IP 66 seal on to the outer sheath and also produce an IP 66 or explosion proof seal on inner sheath. It provides seals on to both inner sheath and outer sheath of the cable.

## DESIGN FEATURES

- 2 part armor / Earth Lock
- Knurled Armor Lock produces a low resistance earth clip, Inner and outer displacement
- Rated at IP 66 in conjunction with entry thread seal.
- Finish: Natural Brass and also available in Electro Tinned and Nickel

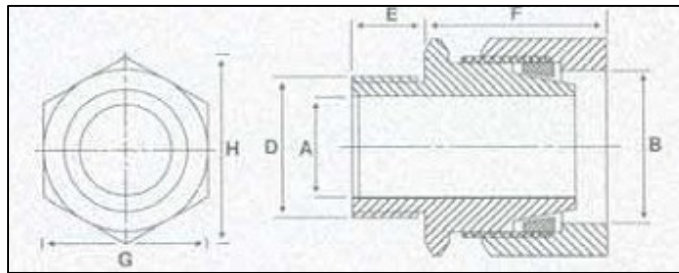


| Size | Cable Dimensions Accommodate |         |                   | Gland Dimensions |      |                             |              |      | Prod. Code |             |
|------|------------------------------|---------|-------------------|------------------|------|-----------------------------|--------------|------|------------|-------------|
|      | Under Armour                 | Overall | Armour wire dia C | ISO Entry Thread |      | Approx length from shoulder | Hexagon Size |      |            |             |
|      | Dia A Max.                   |         |                   |                  |      |                             |              |      |            | Dia. B Max. |
|      | mm                           | mm      |                   | mm               | Dia  |                             | Length       | F mm |            | Across flat |
|      |                              |         |                   |                  | D mm | E mm                        | G mm         |      |            | H mm        |
| 16   | 8.6                          | 13.5    | 0.9               | 16               | 10   | 40                          | 20           | 23   | AE1W 16    |             |
| 20 S | 12.5                         | 15      | 0.90/1.25         | 20               | 10   | 45                          | 24           | 28   | AE1W 20 S  |             |
| 20   | 14.4                         | 20.5    | 0.90/1.25         | 20               | 10   | 45                          | 27           | 31   | AE1W 20    |             |
| 25 S | 17.8                         | 23.8    | 1.25/1.60         | 25               | 10   | 50                          | 31           | 34   | AE1W 25 S  |             |
| 25   | 20.4                         | 27      | 1.25/1.60         | 25               | 10   | 50                          | 34           | 38.5 | AE1W 25    |             |
| 32   | 26.5                         | 33      | 1.60/2.00         | 32               | 10   | 55                          | 41.5         | 46.5 | AE1W 32    |             |
| 40 S | 31                           | 37      | 1.60/2.00         | 40               | 10   | 60                          | 45           | 50   | AE1W 40 S  |             |
| 40   | 32.5                         | 40.8    | 1.60/2.00         | 40               | 15   | 60                          | 49           | 54   | AE1W 40    |             |
| 50S  | 37.8                         | 48      | 2.00/2.50         | 50               | 15   | 65                          | 58           | 65   | AE1W 50 S  |             |
| 50   | 44                           | 53.5    | 2.00/2.50         | 50               | 15   | 65                          | 62.3         | 69.5 | AE1W 50    |             |
| 63S  | 50.5                         | 60.5    | 2.5               | 63               | 15   | 70                          | 70           | 78   | AE1W 63 S  |             |
| 63   | 56.5                         | 65.5    | 2.5               | 63               | 15   | 70                          | 76.3         | 85   | AE1W 63    |             |
| 75S  | 62.5                         | 72      | 2.5               | 75               | 15   | 75                          | 85           | 95   | AE1W 75 S  |             |
| 75   | 67.5                         | 78.5    | 2.50/3.15         | 75               | 15   | 75                          | 90.5         | 99   | AE1W 75    |             |
| 90   | 80                           | 94      | 3.15              | 90               | 20   | 90                          | 112          | 125  | AE1W 90    |             |

# SPECIAL TYPE GLAND – G TYPE

## 'G' TYPE GLAND FOR SWA CABLE

- For use with SWA, Plastic & Rubber sheathed cables
- Used in dry indoor conditions
- Inner ring ensures positive armor clamp and earth continuity
- Finish: Natural Brass and also available in Electro Tinned And Nickel
- Threads: Entry threads are metric to BS 3643 and are also available in imperial (ET)
- 



| COMP. NO | SIZE  | CABLE DIMENSIONS ACCOMMODATE |                     | ARMOUR WIRE DIAMETER C | GLAND DIMENSIONS |            |                            |                  |                    |
|----------|-------|------------------------------|---------------------|------------------------|------------------|------------|----------------------------|------------------|--------------------|
|          |       | OVERALL DIAMETER 'A'         |                     |                        | ISO ENTRY THREAD |            | APPROX LEGTH FROM SHOULDER | HEXAGON SIZE     |                    |
|          |       | UNDER ARMOUR 'A' MAXIMUM     | OVERALL 'B' MAXIMUM |                        | DIA 'D'          | LENGTH 'E' | F'                         | ACROSS FLATS 'G' | ACROSS CORNERS 'H' |
|          |       | mm                           | mm                  |                        | mm               | mm         | mm                         | mm               | mm                 |
| AGG-204  | G-204 | 15.8                         | 15.8                | 0.90/1.25              | 20               | 10         | 24                         | 22               | 24.9               |
| AGG-206  | G-206 | 21                           | 21                  | 0.90/1.25              | 20               | 10         | 25                         | 27               | 30                 |
| AGG-254  | G-254 | 23.8                         | 23.8                | 1.25/1.60              | 25               | 10         | 26                         | 31.7             | 35.7               |
| AGG-256  | G-256 | 27.2                         | 27.2                | 1.25/1.60              | 25               | 10         | 26                         | 37.6             | 42.2               |
| AGG-324  | G-324 | 33.2                         | 33.2                | 1.60/2.00              | 32               | 10         | 28                         | 47.3             | 53.6               |
| AGG-326  | G-326 | 39.2                         | 39.2                | 1.60/2.00              | 40               | 15         | 25                         | 48.4             | 54.6               |
| AGG-405  | G-405 | 39.9                         | 39.9                | 1.60/2.00              | 40               | 15         | 25                         | 50               | 57                 |
| AGG-503  | G-503 | 51.6                         | 51.6                | 2.00/2.25              | 50               | 15         | 36                         | 58               | 64.2               |
| AGG-505  | G-505 | 52.6                         | 52.6                | 2.00/2.25              | 50               | 15         | 36                         | 65               | 71.2               |
| AGG-636  | G-636 | 61                           | 61                  | 2.5                    | 63               | 15         | 30                         | 71               | 77.5               |
| AGG-753  | G-753 | 71.3                         | 71.3                | 2.5                    | 75               | 15         | 40                         | 85               | 95                 |
| AGG-755  | G-755 | 78                           | 78                  | 2.5                    | 75               | 15         | 40                         | 98               | 109.2              |



# SPECIAL TYPE GLAND – U TYPE

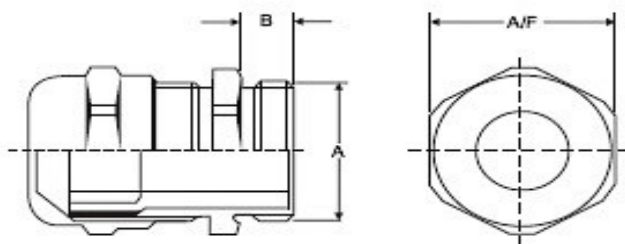
## SPECIFICATIONS

- IP 68 rating the highest possible
- Superior strain relief
- Nickel-plated brass for corrosion protection
- Incorporates a unique camera shutter principle, which protects the cable
- Fully insulated by plastic insert
- Neoprene seal for fluid tightness
- Continuous operating temperature: -20 to +100°C
- Chemical resistance: Resistant to normal organic solvents, mineral, animal and vegetable oils and fat, petrol
- Threading: According to IEC 423, EC 423A and EN 60423
- IP rating: IP68



## MATERIAL

- Brass nickel plated
- Polyamide 6 insert (self extinguishing)
- Neoprene seal (self extinguishing)
- Neoprene O-Ring (self extinguishing)

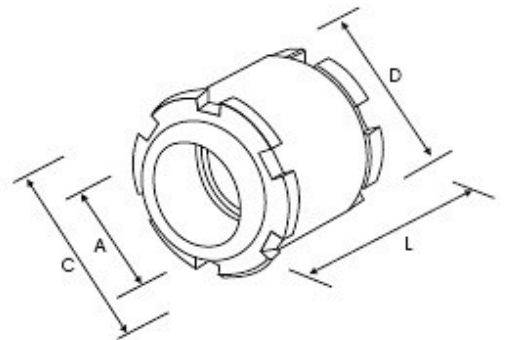


| Mounting Thread |              | Min.           | Max.           | Width    | Product Code | Pack Code |
|-----------------|--------------|----------------|----------------|----------|--------------|-----------|
| A Dia. (mm)     | B Leng. (mm) | Cab. Ran. (mm) | Cab. Ran. (mm) | A/F (mm) |              |           |
| 12              | 5            | 3              | 6              | 14       | AIP68 -12    | 40        |
| 16              | 5            | 5              | 10             | 17       | AIP68 -16    | 20        |
| 20              | 6            | 8              | 13             | 22       | AIP68-20     | 20        |
| 25              | 7            | 11             | 17             | 27       | AIP68 -25    | 10        |
| 32              | 8            | 15             | 21             | 34       | AIP68-32     | 5         |
| 40              | 8            | 19             | 28             | 43       | AIP68-40     | 3         |
| 50              | 9            | 26             | 35             | 55       | AIP68-50     | 1         |
| 63              | 10           | 32             | 42             | 65       | AIP68-63     | 1         |

# MARINE CABLE GLAND

## DETAILS

- Material : Brass
- Finish : Nickel Plated
- No. of Parts :  
Body, Clamping Gland, Lock Nut, Ywo Brass Washers,  
Rubber Thread Seal, Rubber Inner Compression Ring.
- Size Range : 3/8" to 3"
- Thread : ISO Metric, NPT, NPS, BSP, BSPT, PG
- Ingress Protection : IP54 IP66



## APPLICATION

- Outdoor or Indoor for use with all types of braided or unarmored Marine electrical cable fittings



| Pipe Thread | Gland ID in mm A | Rubber ID | Locknut OD in mm C | Gland OD in mm D | Total Length L | Product Code |
|-------------|------------------|-----------|--------------------|------------------|----------------|--------------|
| PF3/8       | 10               | 8         | 28                 | 22               | 38             | ACG10        |
| PF 1/2      | 15               | 10        | 31.5               | 28               | 42             | ACG15        |
| PF3/4       | 20               | 13        | 37                 | 33.5             | 46             | ACG20        |
| PF 1        | 25               | 15        | 45                 | 42               | 52             | ACG25        |
| PF 1 1/4    | 30               | 24        | 46                 | 49.5             | 57             | ACG30        |
| PF 1 1/2    | 40               | 30        | 63                 | 55               | 65             | ACG35        |
| PF 1 1/2    | 40               | 34        | 63                 | 55               | 65             | ACG40        |
| PF 2        | 45               | 38        | 77                 | 69               | 73             | ACG45        |
| PF 2        | 50               | 44        | 77                 | 69               | 73             | ACG50        |
| PF 2 1/2    | 55               | 48        | 96                 | 85               | 83             | ACG55        |
| PF 2 1/2    | 60               | 54        | 96                 | 85               | 83             | ACG60        |
| PF 3        | 65               | 60        | 112                | 100              | 95             | ACG65        |
| PF 3        | 70               | 64        | 112                | 100              | 95             | ACG70        |

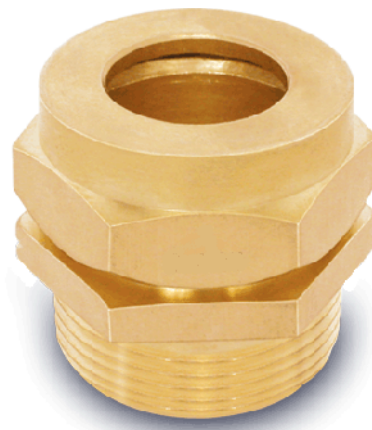
# WIPING CABLE GLAND

- We have developed a wide range of Wiping Gland that is manufactured from heavy duty brass. Our range complies with BS standard BS 6121 part I 1989
- These are made from heavy duty brass. Wiping glands are made as per customer's drawings & specifications.



# TRS CABLE GLAND

- Size : 16 MM to 32 MM
- Application: While not manufactured to a specific standard, are accepted by many contractors and uses as satisfactory method of securing flexible cables.



# ALUMINUM CABLE GLAND

- Material: Aluminum Alloys

## BWA Aluminum Cable Glands

- Application - Dry indoor for use with all types of extruded bending cable and use for aluminum armored termination
- Size: M20 to M63

## CWA Aluminum Cable Glands Application

- For Indoor/Outdoor for use with all types of extruded bending cable and are use for aluminum armored termination
- Size : M20 to M63



# CABLE GLAND KITS & ACCESSORIES

## GLAND KITS

- Convenient, ready to use kits
- Contains all that is necessary for terminating a cable run-gland(s), back nut(s), earth tag(s) and shroud(s)
- Helps to keep all parts for each termination together and easier to stock than loose pieces

## ACCESSORIES

- Earth tags are available from sizes 16mm to 88mm in both Brass and Aluminum
- Earth tags ensure earth continuity between the electrical equipment and gland
- Locknuts are available in entry thread from size 16mm to 85mm in Brass, Aluminum and Galvanized steel.
- PVC shrouds are denoted by gland reference number and are compatible with each gland size.



### ORDERING INFORMATION - CABLE AND GLAND DETAILS

| BW GLAND REFERENCE |      |               | CW GLAND REFERENCE |      |               |
|--------------------|------|---------------|--------------------|------|---------------|
| COMP NO.           | SIZE | ITEMS PER KIT | COMP NO.           | SIZE | ITEMS PER KIT |
| AGB - 20 S         | 20 S | 2             | AGC - 20SS         | 20SS | 2             |
| AGB - 20           | 20   | 2             | AGC - 20 S         | 20S  | 2             |
| AGB - 25           | 25   | 2             | AGC - 20           | 20   | 2             |
| AGB - 32           | 32   | 1             | AGC - 25           | 25   | 2             |
| AGB - 40           | 40   | 1             | AGC - 32           | 32   | 1             |
| AGB - 50           | 50   | 1             | AGC - 40           | 40   | 1             |
| AGB - 63           | 63   | 1             | AGC - 50           | 50   | 1             |
| AGB - 75           | 75   | 1             | AGC - 63           | 63   | 1             |
|                    |      |               | AGC - 75           | 72   | 1             |

# MISCELLANEOUS

## Tinned Copper Cable Terminal ends (Lugs)

- Material : 99.99 % electrolytic copper
- Finish : Tinned Plated
- Sizes : Available Sizes from 1.5mm sq. to 1200mm

## Tinned Copper Cable Connectors, Sleeves, Links, Ferrules and Weak ferrules

- Material : 99.99% electrolytic copper
- Finish : Tinned Plated
- Sizes: Available Sizes from 1.5mm sq. to 1200mm sq.

## Brass Overhead Line Fittings

- Split Bolt Connector (Line Taps)
- Material: Brass to BS 2874. Also in Copper.
- Finish : Natural Brass and Electro Tinned
- Sizes: Available Sizes from 1.5mm sq. to 1200mm sq



## Earth Clamps for Pipe Fittings

earthing clamp meets the required requirements of BS 5951

- Features: earthing clamps are:
- Easily adapted to conductor sizes up to 70 mm'.
- Manufactured by automatic assembly provide consistent, high quality products.

## INGRESS PROTECTION INDEXES

### Protection against Solids

1. IP, X, 0
2. Protected against solid bodies larger than 50mm (e.g. accidental contact with the hand)
3. Protected against solid bodies larger than 12mm (Finger of hand)
4. Protected against solid bodies larger than 2.5mm (Tools, Wires)
5. Protected against solid bodies larger than 1 mm (Fine Tools and Small Wires)
6. Protected against dust (no harmful deposit)

### Protection against Solids

1. IP, X, 0
2. Protected against vertically falling drops of water. (Condensation)
3. Protected against drops of water falling at up to 15° from the vertical.
4. Protected against projections of water from all directions
5. Protected against jets of water from all directions
6. Protected against the effects of immersions & submersion

# GLAND SELECTION CHART

The gland sizes recommended are in accordance with calculations based on cables manufactured to BS 6346 (1969) and cannot accept any responsibility for cables that prove to deviate materially from the nominal diameters quoted in BS 6346 (1969)

| CABLE SPECIFICATION     |                    |                       |                |                       | CABLE GLAND SPECIFICATION |               |                |                    |                   |
|-------------------------|--------------------|-----------------------|----------------|-----------------------|---------------------------|---------------|----------------|--------------------|-------------------|
| CONDUCTOR<br>AREA<br>mm | NUMBER<br>OF CORES | NORMAL DIAMETER       |                | ENTRY<br>THREAD<br>mm | INDOOR<br>BW              | OUTDOOR<br>CW | OUTDOOR<br>E1W | OUTDOOR<br>CIEL CW | INDOOR<br>CIEL BW |
|                         |                    | UNDER<br>ARMOUR<br>mm | OVER<br>ALL mm |                       |                           |               |                |                    |                   |
| 1.5                     | 2                  | 8.1                   | 12.5           | 16                    | 16                        | 16            | 16             | 16                 | 16                |
|                         | 3                  | 8.6                   | 13             | 16                    | 16                        | 16            | 16             | 16                 | 16                |
|                         | 4                  | 9.4                   | 14             | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 7                  | 11.3                  | 15.9           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 12                 | 14.7                  | 20.2           | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 19                 | 17.5                  | 23.2           | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 27                 | 21.3                  | 27             | 25                    | 25                        | 25            | 25             | 25                 | 25                |
|                         | 37                 | 23.8                  | 30.6           | 32                    | 32                        | 32            | 32             | 32                 | 32                |
| 2.5                     | 2                  | 9                     | 13.6           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 3                  | 9.5                   | 14             | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 4                  | 10.4                  | 15             | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 7                  | 12.5                  | 17             | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 12                 | 16.7                  | 22.4           | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 19                 | 20                    | 26.6           | 25                    | 25                        | 25            | 25             | 25                 | 25                |
|                         | 27                 | 23.9                  | 30.7           | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 37                 | 27                    | 33.8           | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
| 4                       | 2                  | 10.1                  | 14.7           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 3                  | 10.7                  | 15.3           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 4                  | 11.8                  | 16.4           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
| 6                       | 2                  | 11.3                  | 15.9           | 20                    | 20 S                      | 20 S          | 20 S           | 20 S               | 20 S              |
|                         | 3                  | 12                    | 16.6           | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 4                  | 13.2                  | 18.7           | 20                    | 20                        | 20            | 20             | 20                 | 20                |
| 10                      | 2                  | 13.2                  | 18             | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 3                  | 14                    | 19.5           | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 4                  | 15.6                  | 21.1           | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
| 16                      | 2                  | 14.5                  | 20             | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 3                  | 15.5                  | 21.2           | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 4                  | 17.2                  | 22.9           | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
| 25                      | 2                  | 18.4                  | 24.1           | 25                    | 25                        | 25            | 25             | 25                 | 25                |
|                         | 3                  | 20.1                  | 26.7           | 25                    | 25                        | 25            | 25             | 25                 | 25                |
|                         | 4                  | 22.3                  | 28.9           | 32                    | 32                        | 32            | 32             | 32                 | 32                |
| 35                      | 2                  | 21.3                  | 27.9           | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 3                  | 22.8                  | 29.6           | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 4                  | 25.3                  | 32.1           | 32                    | 32                        | 32            | 32             | 32                 | 32                |



## (GLAND SELECTION CHART – CONTINUE)

| CABLE SPECIFICATION     |                       |                       |                   |                       | CABLE GLAND SPECIFICATION |               |                |                    |                   |
|-------------------------|-----------------------|-----------------------|-------------------|-----------------------|---------------------------|---------------|----------------|--------------------|-------------------|
| CONDUCTOR<br>AREA<br>mm | NUMBER<br>OF<br>CORES | NORMAL<br>DIAMETER    |                   | ENTRY<br>THREAD<br>mm | INDOOR<br>BW              | OUTDOOR<br>CW | OUTDOOR<br>E1W | OUTDOOR<br>C1E1 CW | INDOOR<br>C1E1 BW |
|                         |                       | UNDER<br>ARMOUR<br>mm | OVER<br>ALL<br>mm |                       |                           |               |                |                    |                   |
| 50                      | 1                     | 13.6                  | 19.1              | 20                    | 20                        | 20            | 20             | 20                 | 20                |
|                         | 2                     | 19                    | 25.8              | 25                    | 25                        | 25            | 25             | 25                 | 25                |
|                         | 3                     | 21.7                  | 28.5              | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 4                     | 25                    | 32                | 32                    | 32                        | 32            | 32             | 32                 | 32                |
| 70                      | 1                     | 15.4                  | 21.1              | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 2                     | 22                    | 29                | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 3                     | 25.2                  | 32.2              | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 4                     | 29.5                  | 37.7              | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
| 95                      | 1                     | 17.7                  | 23.4              | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 2                     | 25.1                  | 33.1              | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 3                     | 28.8                  | 37                | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
|                         | 4                     | 33.3                  | 41.7              | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
| 120                     | 1                     | 19.7                  | 26.3              | 25                    | 25 S                      | 25 S          | 25 S           | 25 S               | 25 S              |
|                         | 2                     | 27.9                  | 36.1              | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
|                         | 3                     | 32                    | 40.4              | 40                    | 40                        | 40            | 40             | 40                 | 40                |
|                         | 4                     | 37.5                  | 47.1              | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
| 150                     | 1                     | 21.7                  | 28.3              | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 2                     | 30.9                  | 39.3              | 40                    | 40                        | 40            | 40             | 40                 | 40                |
|                         | 3                     | 35.9                  | 45.5              | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
|                         | 4                     | 41.6                  | 51.4              | 50                    | 50                        | 50            | 50             | 50                 | 50                |
| 185                     | 1                     | 24                    | 30.8              | 32                    | 32                        | 32            | 32             | 32                 | 32                |
|                         | 2                     | 34.9                  | 44.7              | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
|                         | 3                     | 40                    | 49.8              | 50                    | 50                        | 50            | 50             | 50                 | 50                |
|                         | 4                     | 46.4                  | 56.6              | 63                    | 63 S                      | 63 S          | 63 S           | 63 S               | 63 S              |
| 240                     | 1                     | 27.1                  | 34.1              | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
|                         | 2                     | 39                    | 49                | 50                    | 50                        | 50            | 50             | 50                 | 50                |
|                         | 3                     | 44.9                  | 55.1              | 63                    | 63 S                      | 63 S          | 63 S           | 63 S               | 63 S              |
|                         | 4                     | 52.6                  | 63                | 63                    | 63                        | 63            | 63             | 63                 | 63                |
| 300                     | 1                     | 30                    | 37                | 40                    | 40 S                      | 40 S          | 40 S           | 40 S               | 40 S              |
|                         | 2                     | 43.8                  | 53.5              | 50                    | 50                        | 50            | 50             | 50                 | 50                |
|                         | 3                     | 49.8                  | 60.2              | 63                    | 63 S                      | 63 S          | 63 S           | 63 S               | 63 S              |
|                         | 4                     | 58                    | 68.8              | 75                    | 75 S                      | 75 S          | 75 S           | 75 S               | 75 S              |
| 400                     | 1                     | 33.8                  | 42                | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
|                         | 2                     | 48.4                  | 59                | 63                    | 63 S                      | 63 S          | 63 S           | 63 S               | 63 S              |
|                         | 3                     | 55.8                  | 66.6              | 63                    | 63                        | 63            | 63             | 63                 | 63                |
|                         | 4                     | 65.4                  | 78.1              | 75                    | 75                        | 75            | 75             | 75                 | 75                |
| 500                     | 1                     | 37.4                  | 45.6              | 50                    | 50 S                      | 50 S          | 50 S           | 50 S               | 50 S              |
| 630                     | 1                     | 41.3                  | 49.7              | 50                    | 50                        | 50            | 50             | 50                 | 50                |
| 800                     | 1                     | 46                    | 55.8              | 63                    | 63 S                      | 63 S          | 63 S           | 63 S               | 63 S              |
| 1000                    | 1                     | 56                    | 61                | 63                    | 63                        | 63            | 63             | 63                 | 63                |

# POLARIS INTERNATIONAL

## REGISTERED & HEAD OFFICE

PLOT NO. 412, GIDC PHASE 2,

JAMNAGAR - 361004.

GUJARAT, INDIA.

Phone - +91 9558555577

EMAIL: [sales@polarisexports.com](mailto:sales@polarisexports.com)

VISIT US: [www.polarisexports.com](http://www.polarisexports.com)

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