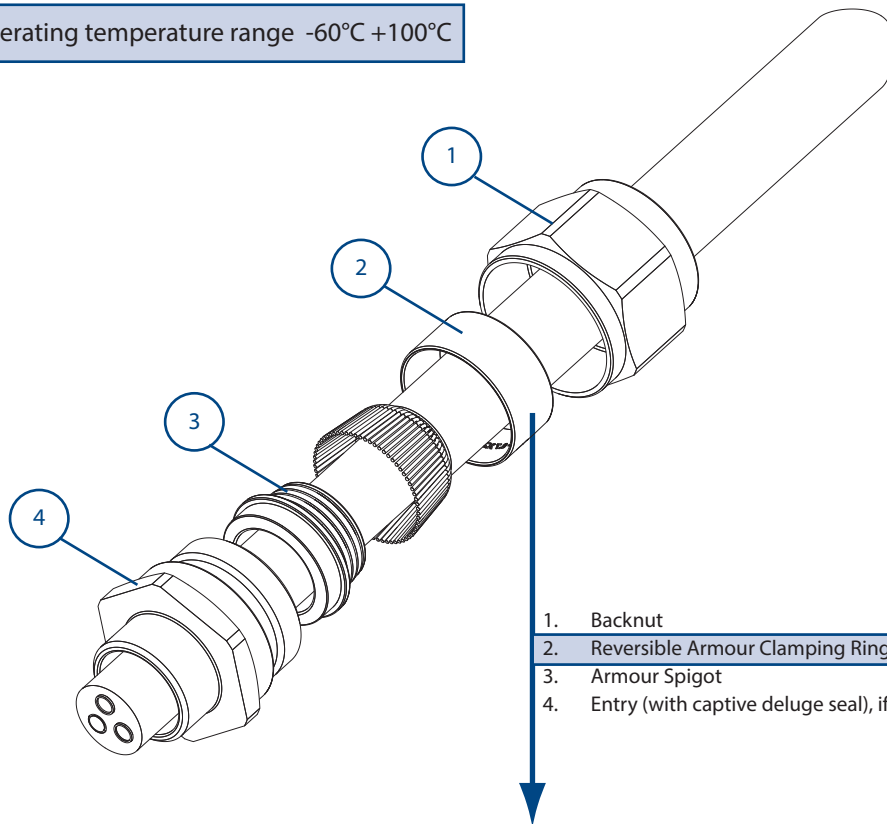


Assembly Instructions for cable gland: 150/RAC Industrial General Purpose

Operating temperature range -60°C +100°C

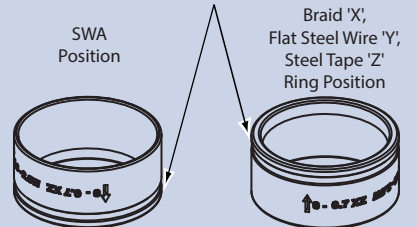
Certification Details

Gland Type: 150/RAC Industrial General Purpose
EN 62444
Certificate of Assessment: CML 15CA932-2



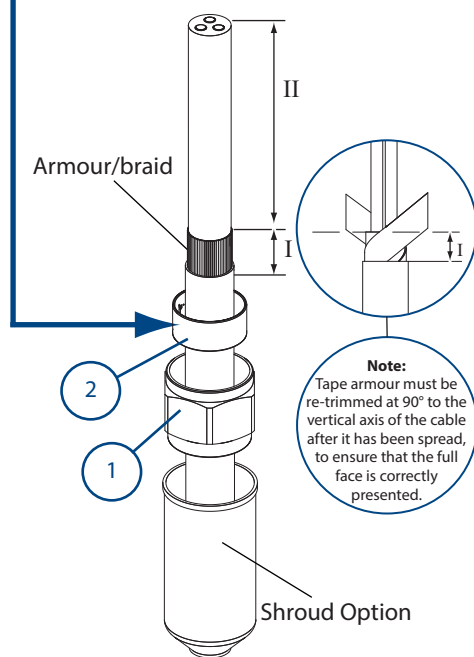
Reversible Armour Clamping Ring (RAC)

General identification ring orientation for:



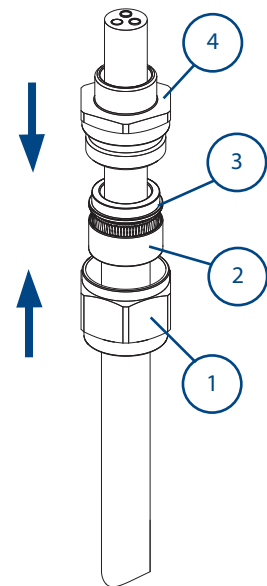
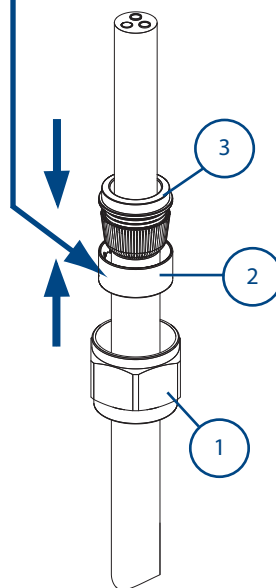
IMPORTANT: The arrowhead indicating the correct armour thickness or type should point towards the equipment

Cable Preparation



Note: Tape armour must be re-trimmed at 90° to the vertical axis of the cable after it has been spread, to ensure that the full face is correctly presented.

Gland Preparation



A Strip cable to suit equipment as shown above and expose the armour/braid 'I'.
'I' = 20mm for cable gland sizes Os to C
'I' = 25mm for cable gland sizes C2 to F
'II' = to suit equipment.
If required, fit shroud.

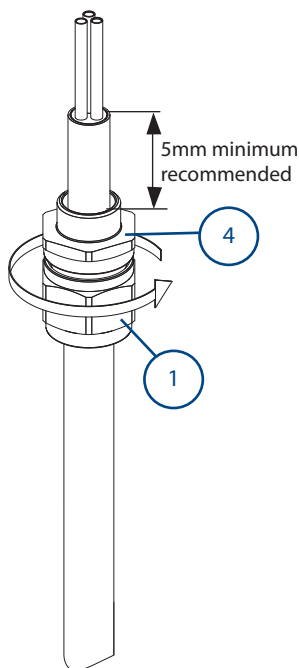
B Push the cable through the armour spigot ③. Spread armour/braid over the armour spigot ③ until the end of the armour/braid is up against the shoulder of the armour cone. Position the armour clamping ring ②.

Note: Ensure plastic wrapping is removed from inner sheath of cable

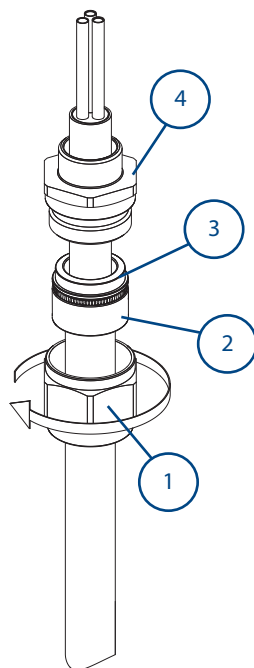
C Place the entry ④ and position over the armour spigot ③. Move the backnut ① up to meet the entry ④.

Note 1: If the equipment has a threaded entry, it may be advisable to screw the cable gland into the equipment to prevent twisting of the cable after Step D.

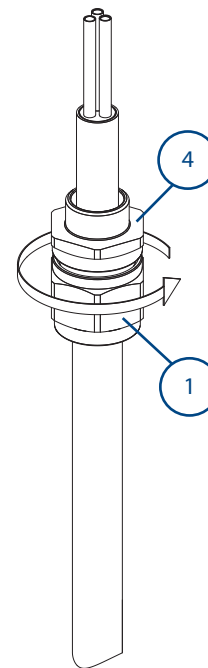
Note 2: Diaphragm seal must be in contact with cable inner sheath. Remove any plastic wrapping from inner sheath.



D Unless already screwed into the equipment hold the entry ④ in position with a spanner/wrench to prevent rotation. Hand tighten the backnut ① to the entry ④ and turn a further 1/2 to 3/4 of a turn with a spanner/wrench.



E Unscrew the backnut ① and visually inspect that the armour/braid has been successfully clamped between the armour spigot ③ and the armour clamping ring ②. If armour/braid not clamped, repeat assembly.



F Reassemble backnut ① onto the entry component ④. Hand tighten the backnut ① to the entry ④ and turn a further 1/6 of a turn with a spanner/wrench. Locate the shroud over the cable gland, if applicable.

IMPORTANT: Support the cable to prevent it from twisting. To ease wiring inside the enclosure, it may be beneficial to strip the inner sheath of the cable as shown above.

| CABLE GLAND SELECTION TABLE | | | | | | | | |
|-----------------------------|-------------------|-----------------|--------------------------|---------------------------------|---------------|------------|--------------------|----------------|
| Size Ref. | Entry Thread Size | | Cable Acceptance Details | | | Max Length | Hexagon Dimensions | |
| | | | Inner Sheath | Steel Wire Armour/ Tape / Braid | | | Across Flats | Across Corners |
| | Metric | NPT | | Max. | Orientation 1 | | | |
| O | M20* | 1/2" | 11.9 | 0.8/1.25 | 0/0.8 | 51 | 24.0 | 26.5 |
| A | M20 | 1/2" - 3/4" | 14.3 | 0.8/1.25 | 0/0.8 | 51 | 30.0 | 32.5 |
| B | M25 | 3/4" - 1" | 20.2 | 1.25/1.6 | 0/0.7 | 55 | 36.0 | 39.5 |
| C | M32 | 1" - 1 1/4" | 26.5 | 1.6/2.0 | 0/0.7 | 60 | 46.0 | 50.5 |
| C2 | M40 | 1 1/4" - 1 1/2" | 32.5 | 1.6/2.0 | 0/0.7 | 70 | 55.0 | 60.5 |
| D | M50 | 1 1/2" - 2" | 42.3/44.4 | 1.8/2.5 | 0/1.0 | 76 | 65.0 | 70.8 |
| E | M63 | 2" - 2 1/2" | 54.3/56.3 | 1.8/2.5 | 0/1.0 | 78 | 80.0 | 88.0 |
| F | M75 | 2 1/2" - 3" | 65.3/68.2 | 1.8/2.5 | 0/1.0 | 80 | 95.0 | 104.0 |

* Size O is available with an M16 thread size. If M16 entry is used on O size Cable Glands the maximum cable inner sheath diameter is limited to 10.9mm.

ACCESSORIES:

Before cable gland assembly or stripping of the cable gland assembly, consideration should be given to any cable gland accessories that may be required, such as: -

- Shroud, to offer additional corrosion protection.
- Locknut, to secure cable glands into position.
- Sealing washer, to offer additional ingress protection of the enclosure at the cable gland entry.
- Earthtag, to provide an external armour/braid bonding point.
- Serrated washer, to dampen any vibrations that may loosen the locknut or cable gland assembly.

EU Declaration of Conformity in accordance with European Directive 2014/35/EU (from 20th April 2016)
Manufacturer: Hawke International
Address: Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom.

Equipment Type: 150/RAC Industrial Gland

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

Standards used: EN 62444 : 2013

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A. Reid
Technical Manager