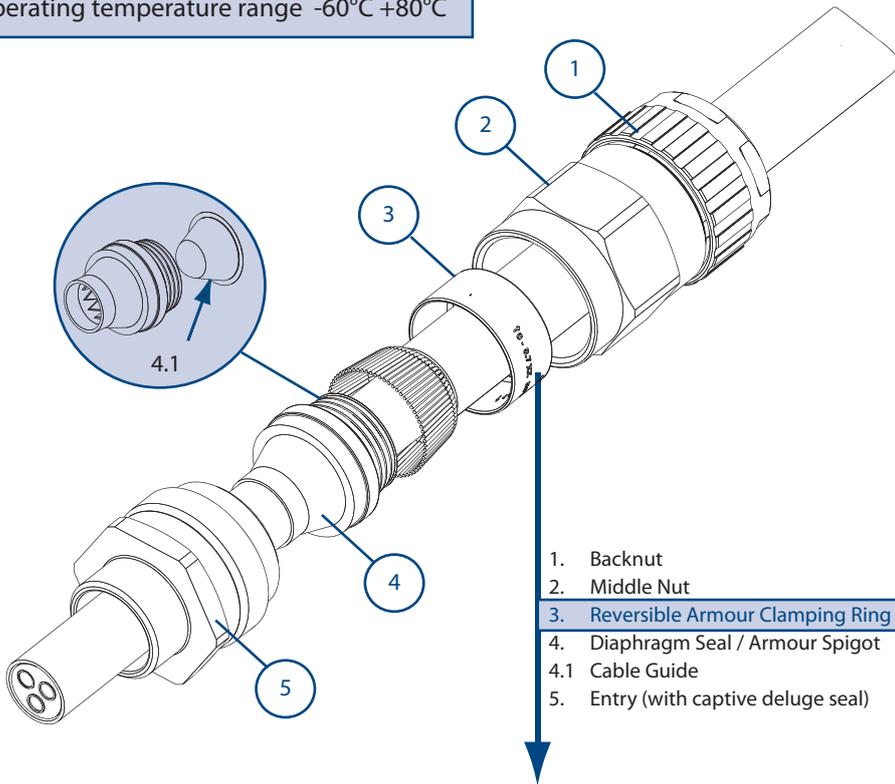


Assembly Instructions for cable gland: 501/453/UNIV Exd IIC Gb / Exe IIC Gb / ExnR IIC Gc / Extb IIIC Db

Operating temperature range -60°C +80°C



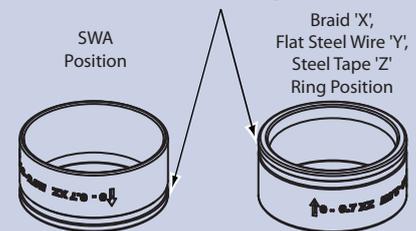
1. Backnut
2. Middle Nut
3. Reversible Armour Clamping Ring (RAC)
4. Diaphragm Seal / Armour Spigot
- 4.1 Cable Guide
5. Entry (with captive deluge seal)

Certification Details

Gland Type: 501/453/UNIV
Exd IIC Gb / Exe IIC Gb / ExnR IIC Gc / Extb IIIC Db
Baseefa06ATEX0057X (Ex) II 2 / 3GD IP66 CE
IECEx BAS06.0014X
CEPEL 01 EX 063X
GOST R No: POCC GB.Г505.В03785
CSA No: 1015065 (LR 78713-7)
CNEx07.0900X

Reversible Armour Clamping Ring (RAC)

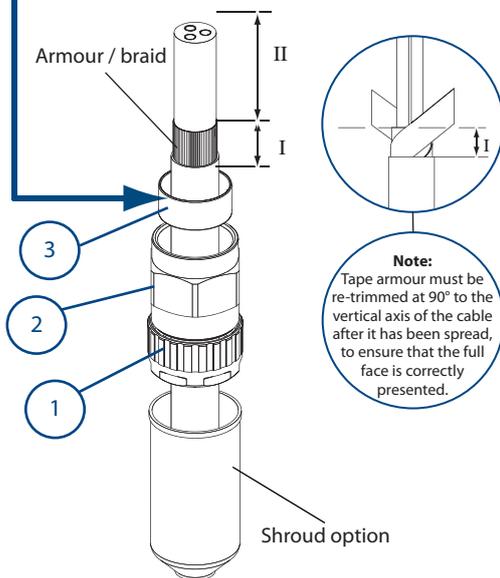
General identification ring orientation for:



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

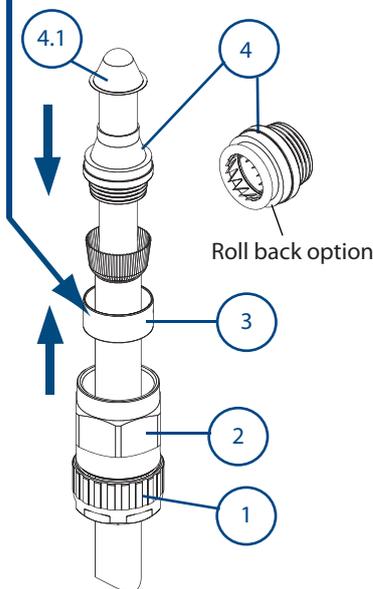
Note: Cable acceptance sizes are marked on the diaphragm seal, clamping ring and backnut.

Cable Preparation

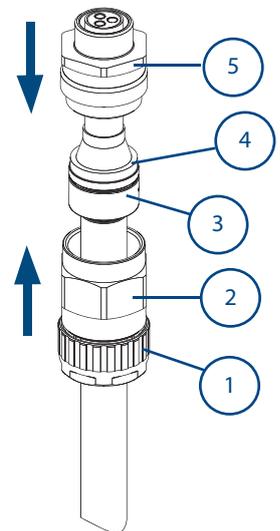


A Strip cable to suit equipment as shown above and expose the armour / braid 'I'.
'I' = 20mm for cable gland sizes Os to C
'I' = 25mm for cable gland sizes C2 to F
'II' = to suit equipment.
If required, fit shroud

Gland Preparation



B Push the cable through the diaphragm seal / armour spigot ④. Pre-fitted cable guide ④.1 can now be discarded. The diaphragm seal can be rolled back to ease assembly if required. Spread armour / braid over the diaphragm seal / armour spigot ④ until the end of the armour / braid is up against the shoulder of the armour cone. Position the armour clamping ring ③.



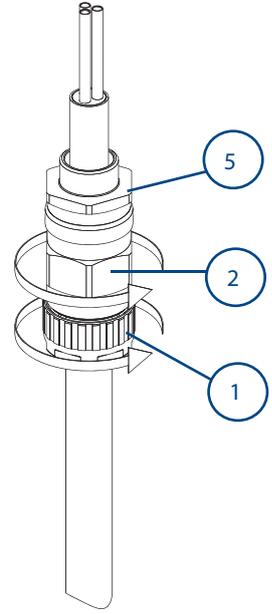
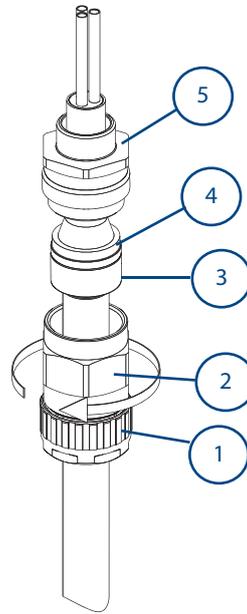
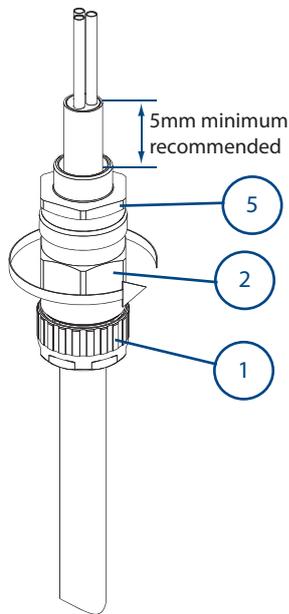
C Place the entry ⑤ and position over the diaphragm seal / armour spigot ④. Move the sub-assembly ① and ② up to meet the entry ⑤.

EC Declaration of Conformity for 501/453/UNIV Gland

We hereby declare that the products supplied on this order comply with the requirements of the ATEX Directive 94/9/EC and have been type approved by Notified Body Baseefa Limited, Buxton, SK17 9RZ UK. 1180. The products included on this Declaration of Conformity have been designed and manufactured in compliance with the following international standards:
EN 60079-0 : 2009, EN 60079-1 : 2007, EN 60079-7: 2007, EN60079-31:2009

P O'Connor - Head of Development/Technical

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D
Hold the entry ⑤ in position with a spanner / wrench to prevent rotation. Hand tighten the middle nut ② to the entry ⑤ and turn a further 1/2 to 3/4 of a turn with a spanner / wrench.

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.

E
Unscrew the middle nut ② and visually inspect that the armour / braid has been successfully clamped between the diaphragm seal / armour spigot ④ and the armour clamping ring ③. If armour / braid not clamped, repeat assembly.

F
Reassemble middle nut ② onto the entry component ⑤. Tighten up the middle nut ② until hand tight, then using a wrench / spanner, turn the nut through 1/4 turn. Hand tighten the backnut ① to form a seal around the cable, then tighten a further full turn using a wrench / spanner. Ensure that the middle nut ② does not rotate when tightening the backnut ①.

Note: The deluge seal on this gland locates on assembly and requires no further action. Locate shroud over cable gland, if applicable.

SCHEDULE OF LIMITATIONS:

1. The cable glands when used with braided cable types are only suitable for use with fixed apparatus, the cable for which must be effectively clamped and cleated elsewhere.
2. This cable gland has an operating temperature range of -60°C to +80°C.
3. A seal must be formed between the equipment and the cable gland to maintain the appropriate degree of protection against ingress of dust, solid objects and water.

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.