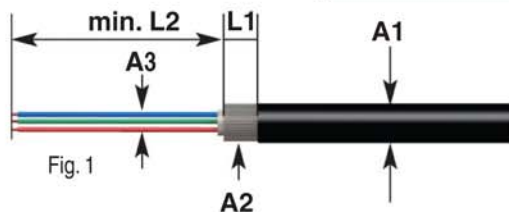


# Ex-d/Ex-e EXIOS Barrier Glands - Brass / Nickel Plated Brass / Stainless Steel - Assembly Instructions



## Step 1

The cable is to be prepared as shown in Fig. 1. Measurements L1 should be followed. Measurement L1 can be found in Table 1 (Page 5). Choose measurement L2 depending on the installation.

## Important

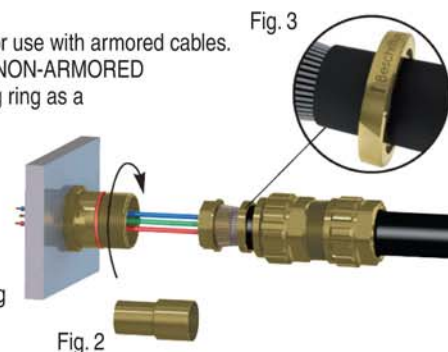
The Exios Barrier Cable Gland is typically designed for use with armored cables. However it is also possible and permitted to use with NON-ARMORED cables. In this case it is important to use one clamping ring as a spacer for the installation!

## Step 2

The cable gland is delivered with 2 armor clamping rings. Choose the appropriate clamping ring (Table 1: see page 5); the other one must not be used. Remove the brass compound tube. After that, prepare the installation as in Fig. 2. Care should be taken with the correct installation of the armor clamping ring, Fig. 3.

## Step 3

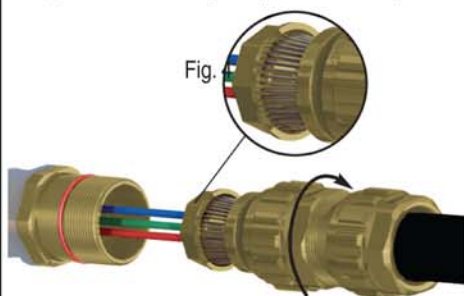
Install the entry component on the device or housing 11.06 Lb-Ft (15Nm). The end-user is responsible for ensuring that, at the point of installation, the adapter for the entry component has been made ready in accordance with Regulations. The entry component can be provided with a locknut to keep it from working loose.



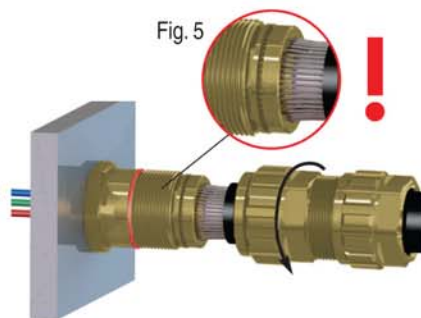
## Step 4

Position the armor of the cable so that all parts of the armor are in contact with the armor cone (Fig. 4) and the ends of the armor touches the edge of the armor cone.

Now screw the gland body hand-tight onto the entry component. It helps if, while doing so the cable is pushed slightly in towards the device or housing. Finally, with the appropriate open-ended spanner, tighten fast in order to securely clamp the armor.



## Fig. 5



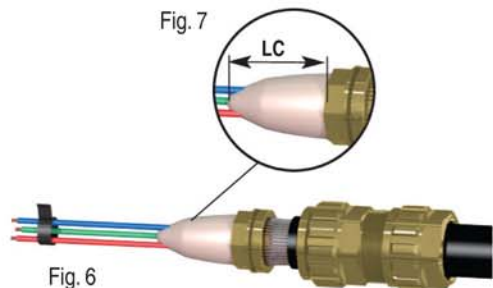
## Step 5

Loosen the gland body and check for correct seating of the armor (Fig. 5). The armor must be firmly clamped. If need be, repeat Step 4.

## Preparing the Compound:

Please check the compound's expiration date and take note of the contents of the attached Safety Data sheet. Use the protective gloves included, as well as suitable eye protection. The compound can be applied at temperatures between +10C and +40C. Application is ideally carried out at room temperature (+20C). Processing time is approx. 15 min. Please see Table 2 for Cure Time of the Compound.

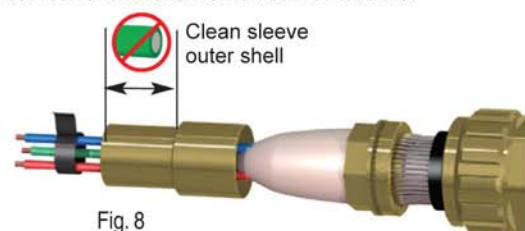
## Fig. 7



## Step 6

Mix and knead the appropriate quantity of compound for the job until a completely uniform color is achieved. As in Fig. 6, apply the compound between and around the individual conductors.

Filling the sleeve completely is easy if the compound has first of all been given a conical shape as shown in Fig. 7. To stop the conductors moving out of place, they can be fixed with tape



## Step 7

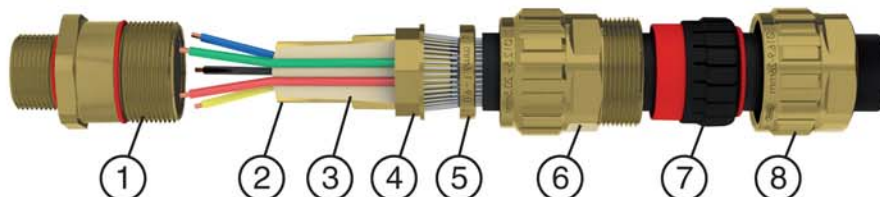
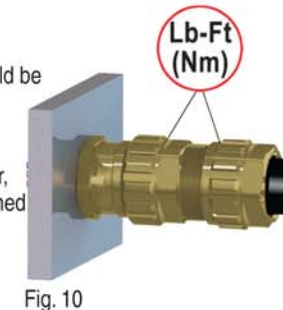
Push the sleeve and the armor cone together. This causes the compound to be compressed. Remove the excess compound which squeezes out. Care should be taken that sleeve has been filled right up to the end. The outside of the sleeve is to be kept clean; if necessary, clean the surface.

## Step 8

The cable can now be inserted into the entry component. The sleeve should be inserted carefully.

## Step 9

After the entry component and the gland body have been threaded together, the dome nut can now be tightened. To speed up assembly, it can be tightened by hand to start with. Tighten down using an open-ended spanner (4 Nm).



## Components

- |                     |                            |                        |                         |
|---------------------|----------------------------|------------------------|-------------------------|
| 1. Entry Components | 3. Compound                | 5. Armor Clamping Ring | 7. Outer Jacket Sealing |
| 2. Compound Sleeve  | 4. Interlocking Armor Cone | 6. Gland Body          | 8. Dome Nut Top         |

Ex-d EXIOS Cable Glands  
Ex-d Nickel Plated Brass & Stainless Steel Glands  
Nylon Glands  
Ex-e  
Ex-e Multi-Hole & Romex Glands  
Ex-e Nickel Plated Brass & Stainless Steel Glands  
Ex-e EMI / RFI / Nickel Plated Brass Glands  
Ex-e Conduit & Fitting Systems  
Ex-e / Ex-d Accessories  
Technical Information