

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



## Step 1

The cable is to be prepared as shown in Fig. 1. Measurement L1 should be followed as shown in Table 1. Choose measurement L2 depending on the application. The inner cable jacket must be free of damage and should extend beyond the cable gland.

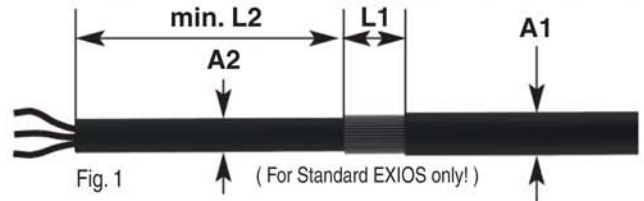
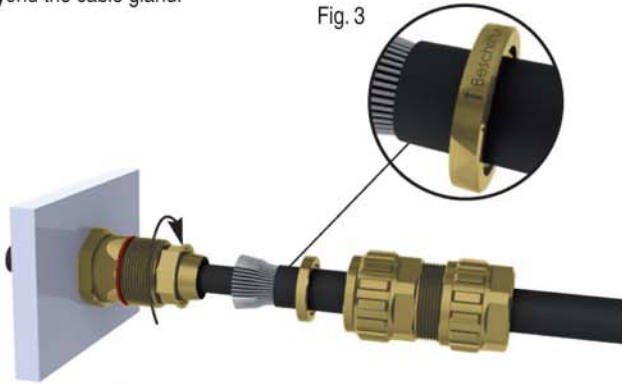


Fig. 3



## Step 2

The cable gland is delivered with 2 armor clamping rings. Choose the appropriate clamping ring as per Table 1; the other ring must not be used. Prepare the installation as shown in Fig. 2. Care should be taken with the correct installation of the clamping ring, Fig. 3.



Fig. 2

## Step 3

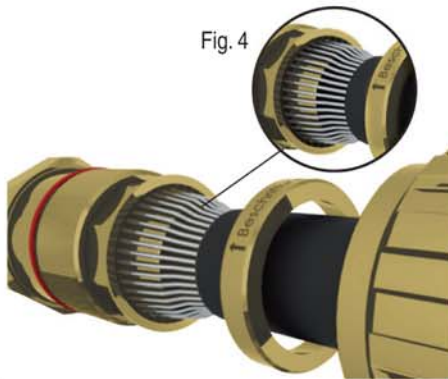
Install the entry component on the device or housing in question 11.06 Lb-Ft (15 Nm). The end-user is responsible for ensuring that, at the point of installation, the adapter for the entry component has been made ready in accordance with Regulations. The entry component can be provided

## Step 4

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

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 roughly 1/2 a turn more in order to securely clamp the armour.

Fig. 4



Lb-Ft  
(Nm)

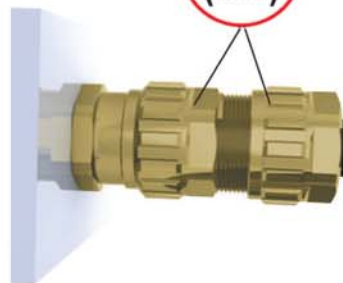
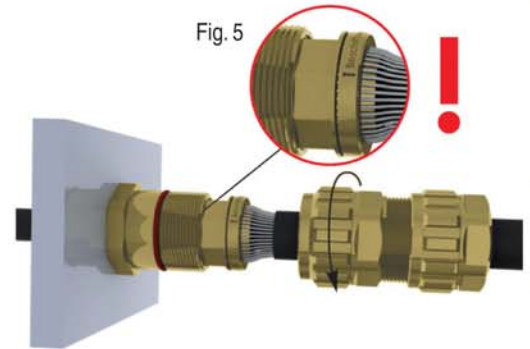


Fig. 5



## 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. The o-ring on the armor cone is only for ease of installation. Damage or removal does not affect the function of the gland.

## Step 6

After the entry component and the gland body have been threaded together again as per Step 4 Lb-Ft (Nm), the dome nut can now be tightened. To speed up assembly, it can be tightened by hand to start with. Tighten up using an openended spanner (Nm).



## Components

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

Table 1

Size Type	Thread Type & Size		Dimensions in Inches (mm)	
	NPT	Metric	L1	* L2
20 - 1	3/8" NPT	M16 x 1.5	.79 (20)	.98 (25)
		M20 x 1.5		
20 - 2	1/2" NPT	M20 x 1.5	.79 (20)	1.38 (35)
20 - 3	1/2" NPT	M20 x 1.5	.79 (20)	1.38 (35)
		M25 x 1.5		
25	3/4" NPT	M25 x 1.5	.79 (20)	1.38 (35)
32	1" NPT	M32 x 1.5	1.18 (30)	1.38 (35)
40	1-1/4" NPT	M40 x 1.5	1.18 (30)	1.38 (35)
40	1-1/2" NPT	M40 x 1.5	1.18 (30)	1.38 (35)
50	2" NPT	M50 x 1.5	1.38 (35)	1.77 (45)
63	2-1/2" NPT	M63 x 1.5	1.57 (40)	1.77 (45)
		M75 x 1.5		
75	3" NPT	M75 x 1.5	1.77 (45)	1.77 (45)

\* Length depends on installation or customer preference

Ex-d EXIOS Cable Glands  
Ex-d Nickel Plated Brass & Stainless Steel Glands  
Nylon Glands  
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