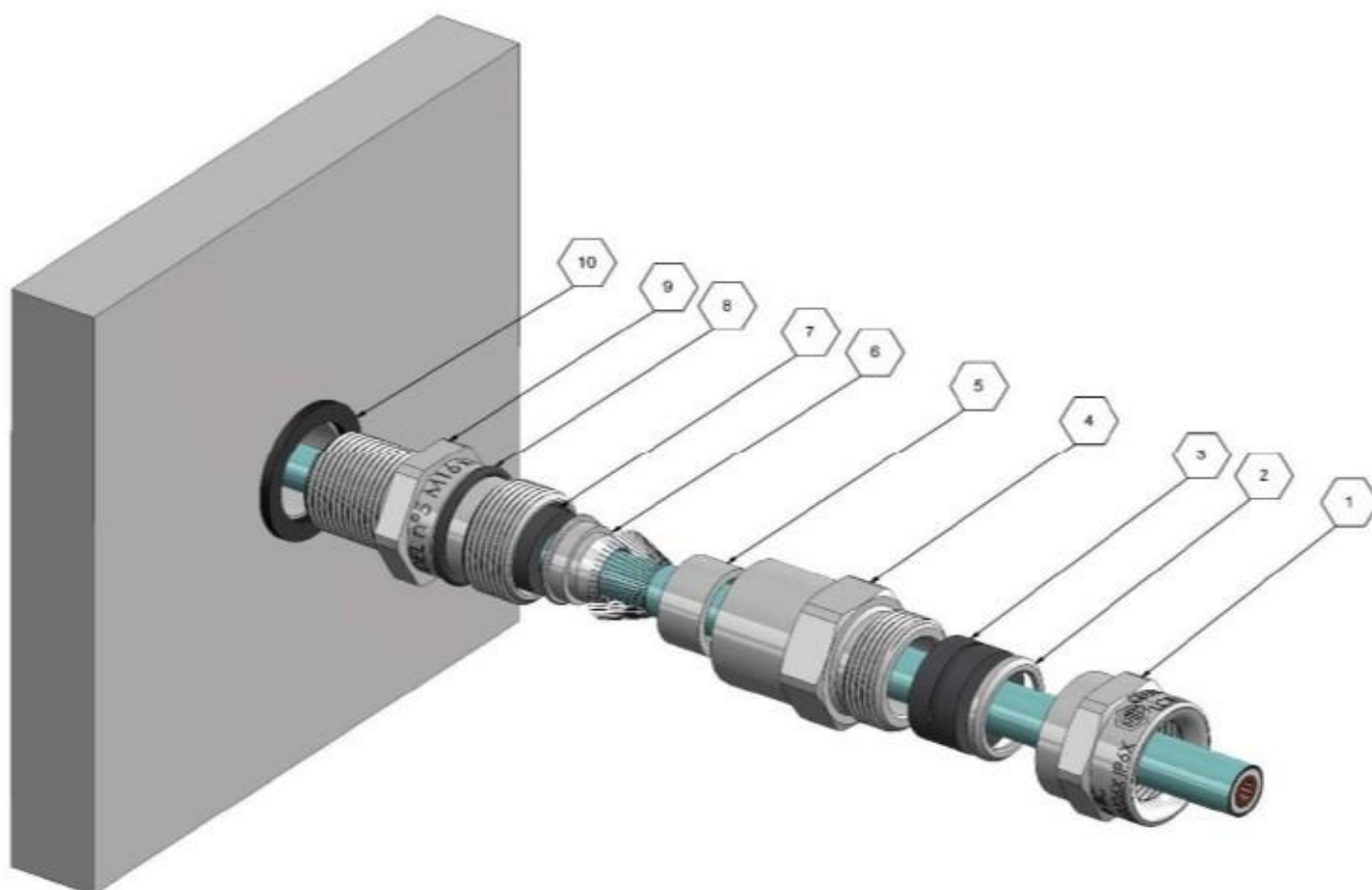




Assembly Instruction for ATEX Cable Glands

4F (new version) / 4F Deluge



- Parts:**
1. Cap Nut
 2. Pressure ring
 3. Sealing
 4. Gland element
 5. Clamping ring
 6. Conus
 7. Sealing
 8. O-Ring (*Deluge version*)
 9. Gland element
 10. Flat sealing

Temperature range: -60°C to +80°C (Neoprene sealing)

-20°C to +200°C (Viton sealing)

Ingress protection rating: IP66, IP68 (10 bars)

Type of protection: Ex d/e/t

Test Standard: EN 60079-0,
EN 60079-1,
EN 60079-7,
EN 60079-31

Device group: IIC, IIIC

Category: 2 and 3

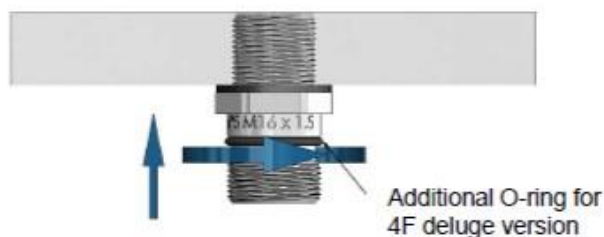
Atmosphere: G / D

Zone: 1, 2, 21, 22





1



Prepare lower body element

- Mounting of the gland element (part 9) together with the flat sealing (part 10) and optional with the O-Ring (part 8) on the device.
- Please check tightening torques on data sheet

2

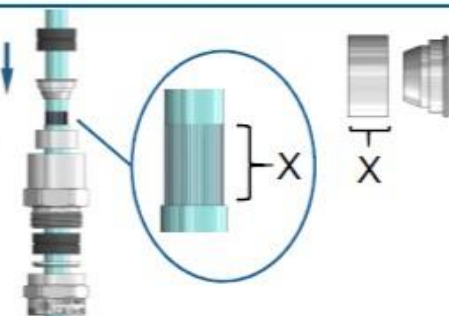


Prepare sealing

- Open the membrane of the sealing (parts 3 and 7) for the passage of the cable (e. g. pierce with cable)

3

ATTENTION
Use appropriate tools!



Prepare upper body element and cable

- Remove outer sheath of the cable on length according to your requirements
- Remove the exposed armour of the cable completely
- Pull parts 1, 2, 3, 4, 5 (be aware of order) over the cable behind the point where you removed the outer sheath
- Remove again a part of the outer sheath on a length "X".
- NOTE: The length "X" is the height of the Clamping ring
- Pull parts 6 and 7 over the cable

4

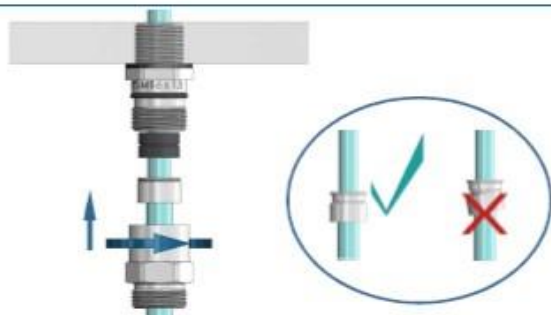
ATTENTION
Use appropriate tools!



Preparation of armour clamping

- Spread armour away from bedding
- Place clamping ring (part 5) over the conus (part 6). Be aware of the orientation of the surfaces as shown in the graph.

5



Clamping of armour

- Pull the cable through the lower body element which you have prepared in Step 1
- Clamp the armour by screwing part 4 (including parts 5, 6, 7) together with part 9. Please check tightening torques on data sheet.

6



Final mounting

- Screw the cap nut (part 1) including the pressure ring (part 2) and the sealing (part 3) together with the gland element (part 4)
- Please check tightening torques on data sheet

7



Last visual inspection

Check if all elements are straight mounted as shown in the picture.

8



Accessories

- You can combine our ATEX Cable Gland 4F / 4F deluge with an additional earth tag, shroud and / or lock nut.
- If you are using a shroud, always make sure to pull it over the cable before mounting the gland.

Specific conditions of use

- Installing and/or manipulating the product imposes rigour and specially qualified staff
- Service temperature of sealing ring in Neoprene (black color) is -60°C to +80°C, and this is -20°C to +200°C for sealing ring in Viton.
- From type n°9 to n°16 inclusive, only is certified the Neoprene sealing ring.
- Respect the recommended torque force
- Recommended use-the graphite seal/ implantation body :
 - The graphite seal needs to be screwed by hand until it touches the hexagonal stop of the gland. If you push the seal through, instead of screwing it, the seal will get damaged.
 - Always lubricate the thread of the gland for an EXD application with threaded wall.
 - If you use a locknut, maintain the gland against the wall and screw the locknut.
 - Do not screw and unscrew several times the part. For maintenance purposes, if the operator estimates the seal being worn out or unusable, we recommend to use a new seal.

For more information please visit us on our homepage:
<https://www.sibadr.fr/fr/>