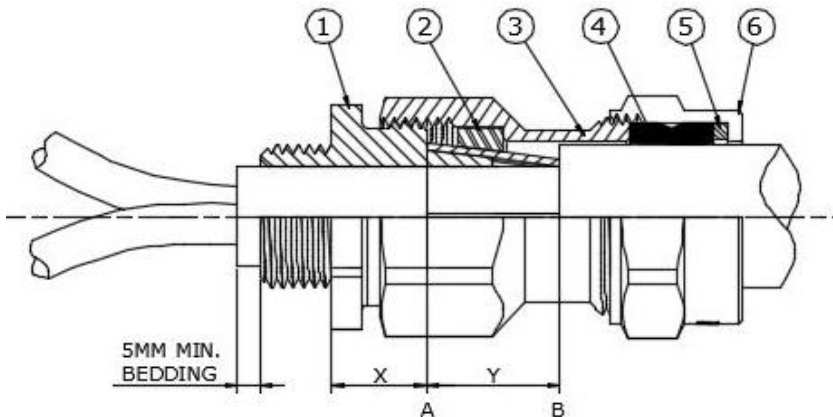


Installation Instructions for CW & CW-LSOH Glands

42508-01
Issue 3
EC 5909



Key:

1. Gland body
2. Armour clamping ring
3. Gland barrel
4. Outer seal
5. Skid washer
6. Gland nut

Not Shown:

- Shroud
- Earth tag
- Lock nut
- Equipment Seal (optional)

Design Ref. 419CW- KA419- 422LSF-	Size	Under Armour Ø mm (Max)	Overall Ø mm		Armour Wire Ø mm	Length 'X' mm	Exposed armour length 'Y' mm	Tightening Torque 'Z' Nm
			Min	Max				
51	M16	8.6	8.0	13.2	0.9	13	19.0	20
71	M20ss	8.6	8.0	13.2	0.9	13	19.0	20
52	M20s	11.6	8.0	15.8	0.9 / 1.25	13	19.0	25
53	M20	13.9	12.9	20.8	0.9 / 1.26	13	20.0	30
55	M25	19.9	17.0	27.2	1.25 / 1.6	15	22.0	40
56	M32	26.2	23.5	33.5	1.6 / 2.0	18	25.0	50
57	M40	32.1	29.0	39.9	1.6 / 2.0	17	28.0	65
59	M50	44.0	39.5	52.6	2.0 / 2.5	24	32.0	90
61	M63	55.9	51.3	65.3	2.5	21	35.0	150
63	M75	67.9	62.5	78.0	2.5	29	35.0	150

Cable Preparation

1. Place cable alongside the enclosure and allow sufficient length for spreading and terminating the core(s) to the terminals, then cut off any surplus cable.
2. If a shroud is required, slide it onto the cable before proceeding with cable stripping.
3. Mark the point where the cable passes through the enclosure wall then measure back the length 'X' and mark position 'A' on the cable.
4. Cut through over-sheath at position 'A' using a hacksaw or rotary cutter ensuring that the cut is perpendicular to the cable axis, then continue to cut half way through the armour wires. Remove the over-sheath up to the armour wire cut position 'A' and remove the armours by bending back and forth until they snap off.
5. Using the 'Y' dimension, mark position 'B' and cut and remove the cable over-sheath exposing the armour wires.

Gland Assembly

1. Dis-assemble the gland noting all the components and orientations as shown above.
2. Slide the outer sealing components onto the cable. nut (6), skid(5), seal(4) and barrel (3)
3. Slide the armour clamping ring (2) over the armours - narrow end first.
4. Slightly raise the armour wires and then slide the Gland body (1) along the cable so that the armour cone sits beneath the armours. Spread the armour wires evenly around the cone.
5. Whilst holding the gland body (1) in place, screw the gland barrel (3) onto the gland body forcing the clamping ring (2) over the armour wires and tighten to torque 'Z'. The gland barrel (3) can be unscrewed to check the armour lock and armour continuity.
6. Replace the gland barrel (3) and tighten up. Then screw the outer nut (6) onto the gland barrel (3) to compress the outer seal onto the cable outer sheath.

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7. At this point the bedding cut position can be marked – this should be a minimum of 5mm beyond the equipment thread of the gland body. Then carefully cut the cable bedding at the marked position and remove to expose the cable cores.
8. Feed the cable cores and gland into the equipment, adding an equipment seal and earth tag if required and secure with a locknut.
Note: the additional seal between the gland and the equipment is required to achieve IP66
9. Reposition the shroud pushing it over the gland so that it touches the equipment face.

Note: It is advisable to fit cable cleats to support the cable.

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