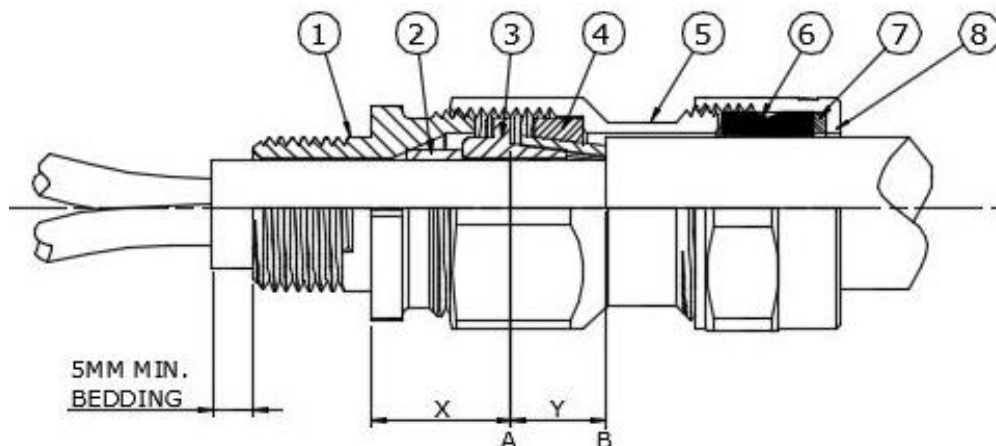


## Installation Instructions for E1W & E1W-LSOH Glands

42522-01  
Issue 3  
EC 5909



**Key :**

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

**Not Shown:**

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

Design Ref. KA413- KAA413- 421LSF-	Size	Under Armour ∅ mm		Overall ∅ mm		Armour Wire ∅ mm	Length 'X' mm	Exposed armour length 'Y' mm	Tightening Torque 'Z' Nm
		Min	Max	Min	Max				
51	M16	6.3	8.6	8.0	13.2	0.9	15	16	20
71	M20ss	6.3	8.6	8.0	13.2	0.9	15	16	20
52	M20s	8.7	11.6	8.0	15.8	0.9/1.25	15	16	25
53	M20	11.7	13.9	11.7	20.8	0.9/1.25	14	16	30
55	M25	13.0	19.9	17.0	27.2	1.25/1.6	18	19	40
56	M32	20.0	26.2	23.5	33.5	1.6/2.0	16	22	50
57	M40	26.3	32.1	29.0	39.9	1.6/2.0	15	25	65
58	M50s	32.2	38.1	38.0	46.2	2.0/2.5	21	29	85
59	M50	38.2	44.0	39.5	52.6	2.0/2.5	21	29	90
60	M63s	44.1	50.0	50.0	58.9	2.5	18	32	150
61	M63	50.1	55.9	51.3	65.3	2.5	20	32	150
62	M75s	56.0	61.9	62.0	71.6	2.5	25	32	150
63	M75	62.0	67.9	62.5	78.0	2.5	25	32	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. Then continue to cut half way through the armour wires ensuring that the cut is perpendicular to the cable axis. Remove the over-sheath up to the armour wire cut position 'A' then remove the armours by bending back and forth until they snap off.
5. Using the 'Y' dimension from the table mark position 'B' and cut and remove the cable over-sheath exposing the armour wires.

**Gland Assembly**

6. Disassemble the gland - noting all the components and orientations as shown above.
7. Slide the outer sealing components onto the cable. nut (6), skid(5), seal(4) and barrel (3)
8. Slide the armour clamping ring (2) over the armours - narrow end first.
9. Slightly raise the armour wires and then slide the armour cone (3) along the cable so that the tapered end sits beneath the armours. Spread the armour wires evenly around the cone.

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10. Slide the gland body (1), **without** the inner seal, along the cable inner sheath so that it pushes the armour cone (3) completely under the armour wires.
11. 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**'.
12. The gland barrel (3) can be unscrewed to check the armour lock and armour continuity.
13. Remove the body (1) off the cable and replace the inner seal. Slide both components back onto the cable, and screw into the body until the inner seal is compressed onto the bedding.
14. Screw the outer nut (6) onto the gland barrel (3) to compress the outer seal onto the cable outer sheath.
15. 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.
16. 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
17. 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.