

E2W Lead Seal

CAPTIVE COMPONENT GLAND™

for Lead Sheathed Armoured Cable



Features and Benefits

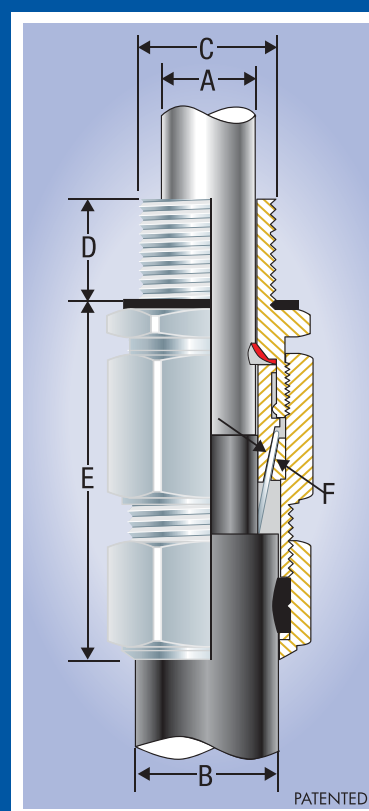
- For indoor and outdoor use.
- Two piece handling, no loose parts.
- Freely rotating captive cone and cone ring, providing an armour clamp and earth bond without twisting the armour wire with patented disconnect system for armour clamp inspection.
- Factory fitted captive elastomeric inner seal for *built-in safety™*.
- Seals on both the inner lead sheath and outer sheath of the cable to IP66/67/68.
- Precision manufactured from high quality brass (nickel plated) and available in aluminium and stainless steel on request.
- Complete with brass locknut and sealing gasket.

Technical Data

Type:	E2W Lead Seal
Gland Material:	Brass (Nickel Plated), BS 2874, EN 12164
Seal Material:	Thermoset Elastomer and Lead
Cable Type:	Steel Wire Armour and Lead Seal
Armour Clamping:	Captive Cone and Rotating Cone Ring
Sealing Area:	Inner Lead Sheath and Cone Ring
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud

Standards and Certifications

Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262, IEC 62444
Certification:	
Marine	09-SG435709A/1-PDA
SANS/SABS 1213	S787/H169
BS 6121 Part 1	SGS/3641/99343
IEC 62444	MASC 11-303
Mechanical Properties:	Impact Category 8 Anchorage Type D
Electrical Properties:	Category A (no earth tag) Category B (with earth tag)
Operating Temperature:	-20°C to 125°C
Ingress Protection IEC 60529:	IP66/67/68 (2m cont.) ~ MASC 11-263

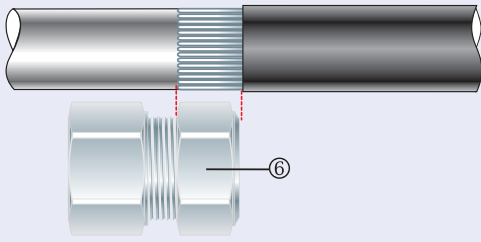


Installation Standards

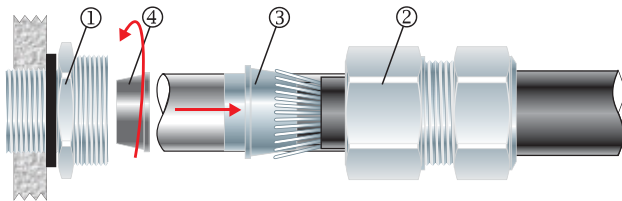
Product Code	Gland Size Ref.	Entry Thread				Cable Details				Max Length 'E'	Armour Dia		Hex. Details (Max) 'Flats'	Install. Torque Nm
		Metric		NPT		Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'		
		'C'	Min'D'	'C'	Min'D'									
051800-LS	00-20ss	M20x1.5	10	½	15	3.0	8.0	8.0	13.5	46.0	-	0.90	24.0	35.0
0518-0-LS	0-20s	M20x1.5	10	½	15	8.0	12.0	11.5	16.0	46.0	0.90	1.25	24.0	35.0
051801-LS	1-20	M20x1.5	10	½/¾	15	11.0	15.5	14.5	20.5	52.0	0.90	1.25	27.0	35.0
051802-LS	2-25	M25x1.5	10	¾ /1	15/19	13.0	16.5	20.5	26.5	65.0	1.25	1.60	35.0	50.0
051803S-LS	3-32	M32x1.5	10	1/1¼	19	13.0	16.5	26.5	33.5	65.0	1.60	2.00	42.0	70.0
051803-LS	3-32	M32x1.5	10	1/ 1¼	19	16.0	19.0	26.5	33.5	65.0	1.60	2.00	42.0	70.0
051804S-LS	4-40	M40x1.5	15	1¼/1½	19/21	18.0	20.5	33.0	42.5	76.0	1.60	2.00	52.0	90.0
051804-LS	4-40	M40x1.5	15	1¼/1½	19/21	20.5	25.0	33.0	42.5	76.0	1.60	2.00	52.0	90.0
051805S-LS	5-50	M50x1.5	15	1½/2	21	25.0	29.0	42.5	52.5	86.0	2.00	2.50	65.0	100.0
051805-LS	5-50	M50x1.5	15	1½/2	21	28.5	34.0	42.5	52.5	86.0	2.00	2.50	65.0	100.0
051806S-LS	6-63	M63x1.5	15	2/2½	21/32	33.5	36.0	52.5	65.5	107.0	2.00	2.50	80.0	120.0
051806M-LS	6-63	M63x1.5	15	2/2½	21/32	35.5	39.0	52.5	65.5	107.0	2.00	2.50	80.0	120.0
051806L-LS	6-63	M63x1.5	15	2/2½	21/32	38.5	42.0	52.5	65.5	107.0	2.00	2.50	80.0	120.0
051807S-LS	7-75	M75x1.5	15	2½/3	30/32	41.5	44.0	65.5	78.0	124.0	2.50	3.00	96.0	120.0
051807M-LS	7-75	M75x1.5	15	2½/3	30/32	43.0	49.0	65.5	78.0	124.0	2.50	3.00	96.0	120.0
051807L-LS	7-75	M75x1.5	15	2½/3	30/32	48.0	54.0	65.5	78.0	124.0	2.50	3.00	96.0	120.0

All dimensions except NPT are in mm.

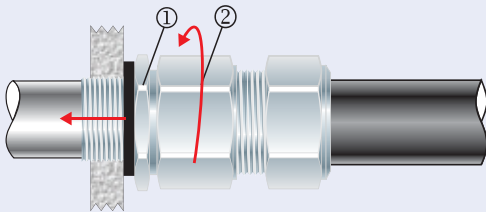
E2W LEAD SEAL Captive Component Gland™



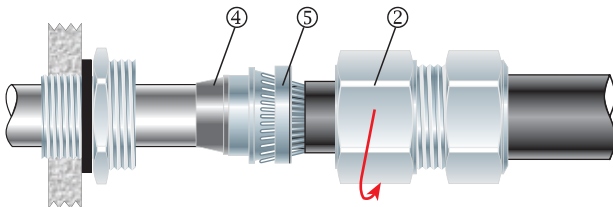
1. Cut back the cable outer sheath to expose the armour to a length not more than the outer nut ⑥. Cut back the inner sheath to just before the armouring to expose lead sheath.



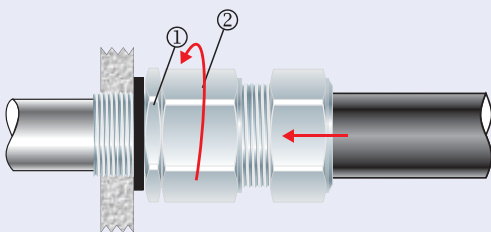
2. Screw the gland unit into the apparatus. Tighten the inner ①. Pass the cable end through the outer nut ⑥ and the body ②. Splay the armour wires and slide cone ③ underneath armouring. Pass the lead seal ④ over lead sheath.



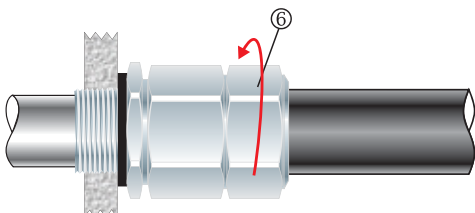
3. Pass the cable end through the inner ①. Tighten the body ② onto the inner ①.



4. Unscrew the body ② and check that lead seal ④ has bonded onto the lead of the cable (lead seal must be tight). Ensure that the cone ring ⑤ has clamped the armouring.



5. Pass the cable end through the inner ①. Tighten the body ② onto the inner ① to installation torque.



6. Tighten the outer nut ⑥ to produce a moisture proof seal by turning till the seal makes contact with outer sheath of cable and then do one full turn.