

E1W Insulated CAPTIVE COMPONENT GLAND™ for SWA and Aluminium Armoured Cable



Features and Benefits

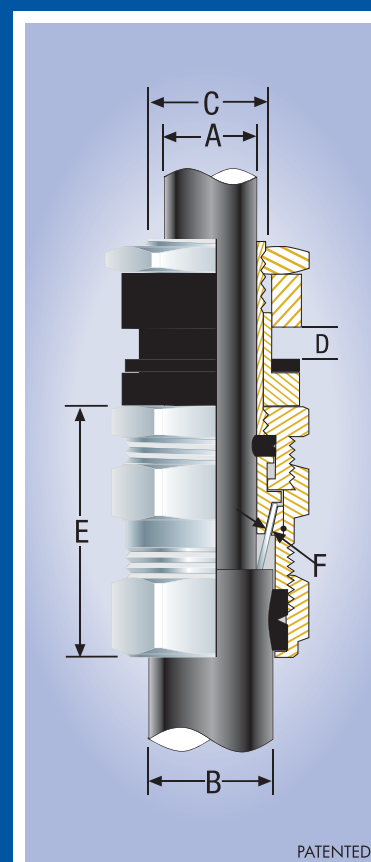
- For HV system circuits for protection against fault currents. Gland is insulated from equipment to prevent system circulating currents.
- For indoor and outdoor use.
- Two piece handling, no loose parts.
- Freely rotating captive cone and cone ring, providing an armour clamp and earth bond without twisting the armouring.
- Patented disconnect armoured clamp system for ease of inspection.
- Seals on both the inner and outer sheath of the cable to IP66/67/68.
- Precision manufactured from high quality brass (nickel plated).
- Complete with high quality brass (nickel plated) locknut, sealing gasket, earthing stud and bolt.

Technical Data

Type:	E1W Insulated
Gland Material:	Brass (Nickel Plated), BS 2874, EN 12164, Aluminium, Stainless Steel 316
Seal Material:	Thermoset Elastomer or Silicone on request
Cable Type:	Steel Wire Armour and Aluminium Armour Wire
Armour Clamping:	Captive Cone and Rotating Cone Ring
Sealing Area:	Inner and Outer Sheath
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud

Standards and Certification

Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262, IEC 62444
Certification:	
SANS/SABS1213	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 C
Operating Temperature:	-20°C to 125°C
Ingress Protection IEC 60529:	IP66/67/68 (2m cont.) ~ MASC 11-263
Current Rating:	BS 6121 Part 5, IEC 62444
Size 20s to 40	26kA one second
Size 50s and above	43kA one second



PATENTED

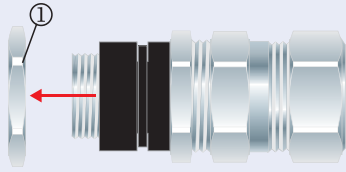
Installation Standards

- AS/NZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142

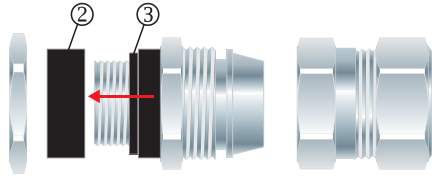
Product Code	Gland Size Ref	Metric Entry Thread			Cable Details			Max Length 'E'	Armour Dia		Hexagonal Detail		Installation Torque Nm
		'C'	Max 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
0558-0	0-20s	20	10	7.0	12.0	11.5	16.0	61.0	0.90	1.25	24.0	27.0	35.0
055801	1-20	20	10	9.0	15.0	14.5	21.0	67.0	0.90	1.25	27.0	31.0	35.0
055802	2-25	25	10	14.0	20.0	20.5	27.0	80.0	1.25	1.60	35.0	40.0	50.0
055803	3-32	32	10	19.0	26.5	26.5	33.5	80.0	1.60	2.00	42.0	48.0	70.0
055804	4-40	40	15	26.0	34.0	33.0	43.0	85.0	1.60	2.00	52.0	60.0	90.0
055805	5-50	50	15	34.0	44.5	40.5	52.5	106.0	2.00	2.50	65.0	75.0	100.0
055806	6-63	63	15	44.0	56.5	52.5	65.5	129.0	2.00	2.50	82.0	94.0	120.0
055807	7-75	75	15	56.0	67.5	65.5	78.0	149.0	2.50	3.15	96.0	110.0	120.0

All dimensions are in mm.

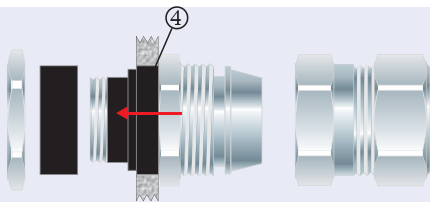
E1W Insulated Captive Component Gland™



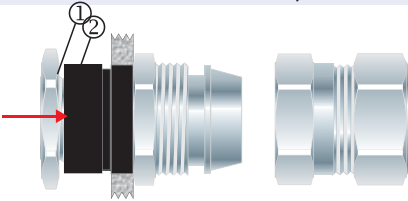
1. Remove the locknut ①.



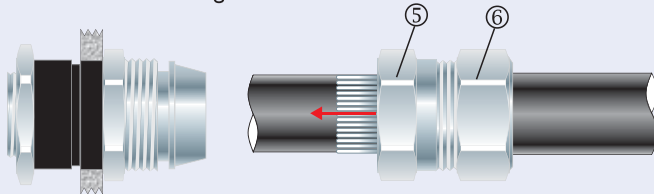
2. Remove female insulator ring ②. To maintain IP66/68 ensure the gasket ③ is in place.



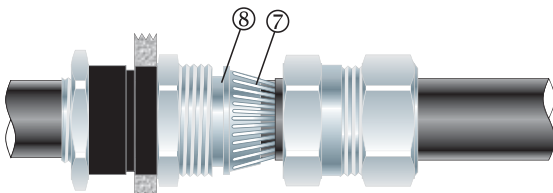
3. Insert the male insulator entry ④ into the cable entry of apparatus.



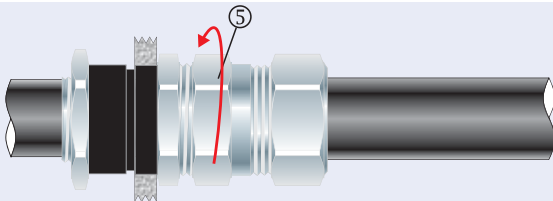
4. Screw the female insulator ring ② back against the apparatus (maximum of 10mm thickness). Screw the locknut ① back against the female insulator ring ②.



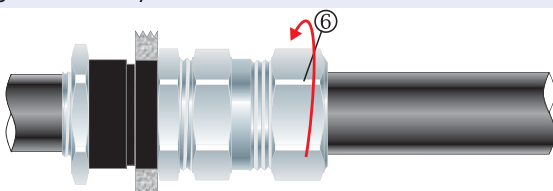
5. Strip the cable outer sheath and pass the cable through the outer nut ⑥ and the body ⑤.



6. Pass the cable end through the inner and splay the armour wires ⑦ over cone ⑨.



7. Tighten the body ⑤ onto the inner .



8. Tighten the outer nut ⑥ to produce a moisture proof seal.