CCG E1W Captive Component Gland™

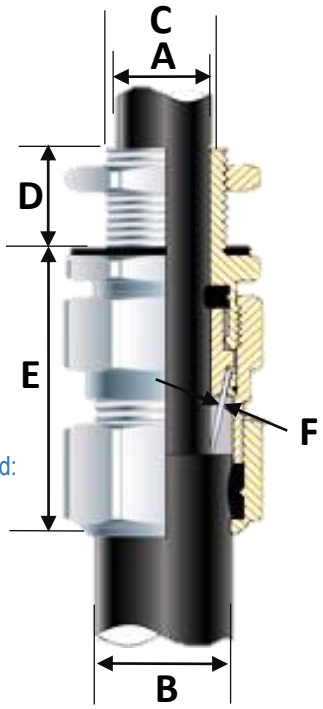
for Steel Wire Armour and Aluminium Armour Cable

Features and Benefits

- For indoor and outdoor use.
- 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 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.
- Two piece handling, no loose parts.
- Complete with brass locknut and sealing gasket.

Technical Date

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



Standards and Certifications

Design Standards:	SAN 1213, BS 6121:Part1, EN 50262, BS EN/IEC 62444
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 + 125ºC

Certification:	Standard:
SANS 1213	S787/H169
BS 6121:Part 1	SGS/3641/99343
BS EN/IEC 62444 CML 14CA364	
	MASC 11-303
Marine	ABS 14-SG246753-2-PDA
	DNV-GL TAE000000Z
EMC Compatable SGS EMC197708/1	
London Underground Approval	3043
Ingress Protection-Parallel	CML 15Y728
Ingress Protection-Tapered	IP65

IEC 60529 (IP66/68 (100m)

Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail				Max Length	Armour Dia		Hexagonal Detail		Installation Torque
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'	'E'	Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	Value Nm
051801	1-20	M20x1.5	10	½ / ¾	15	9.0	15.0	14.5	20.5	70.0	0.90	1.25	▲ 27.0	30.0	35.0
051802	2-25	M25x1.5	10	¾ / 1	15/19	14.0	20.0	20.5	26.5	80.0	1.25	1.60	▲ 35.0	39.0	50.0
051803	3-32	M32x1.5	10	1 / 1 ¼	19	19.0	26.5	26.5	33.5	80.0	1.60	2.00	▲ 42.0	47.0	70.0
051804	4-40	M40x1.5	15	1 ¼ /1½	19/21	26.0	34.0	33.0	42.5	95.0	1.60	2.00	▲ 52.0	59.0	90.0
051805	5-50	M50x1.5	15	1½ / 2	21	34.0	44.5	42.5	52.5	102.0	2.00	2.50	▲ 65.0	73.0	100.0
051806	6-63	M63x1.5	15	2 / 2½	30	44.0	56.5	52.5	65.5	115.0	2.00	2.50	▲ 80.0	90.0	120.0
051807	7-75	M75x1.5	15	2 ½ / 3	32	56.0	67.5	65.5	78	150	2.50	3.15	▲ 96.0	108.0	120.0

All dimensions except NPT are in mm. ▲ For use with a CCG Hex Spanner ✦ For use with a CCG C Spanner.

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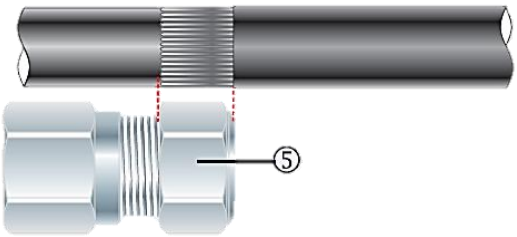
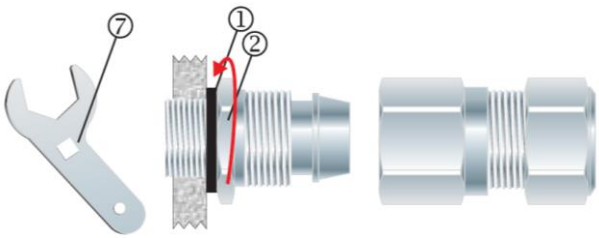
FITTING INSTRUCTIONS Metric Illustration

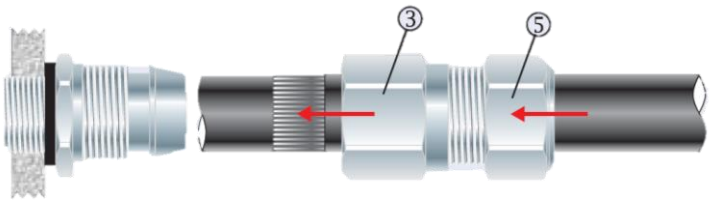
E1W CAPTIVE COMPONENT GLAND™



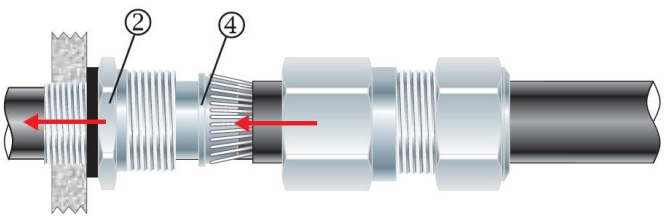
1. Cut back the cable outer sheath to expose the armour to a length not more than the outer nut (5)



2. To maintain IP66/68 ensure the gasket (1) in in place. Screw the inner (2) into the apparatus. Tighten the inner (2), to installation torque using a CCG Spanner (7). If apparatus is untapped use a locknut.



3. Pass the cable end through the outer nut (5) and the body (3) .



4. Pass cable end through the inner (2) and splay the armour wires over the cone (4).

FITTING INSTRUCTIONS Metric Illustration

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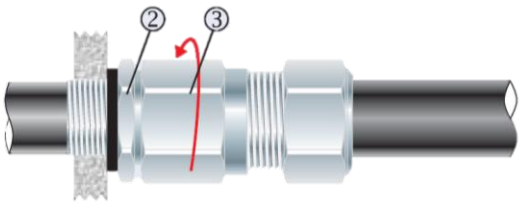
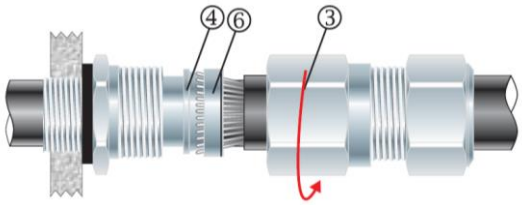
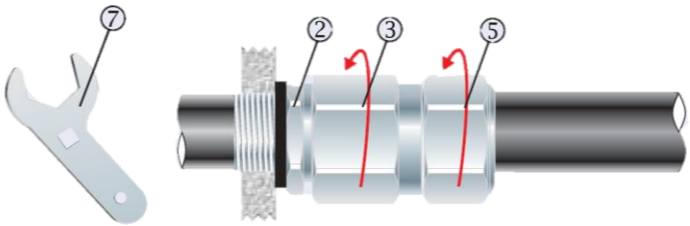


5. Screw the body (3) onto the inner (2), and tighten the body (3) to lock the cone ring (6) onto the cone (4).



6. Unscrew the body (3). Check that the armouring has locked between the cone (4) and the cone ring (6).
(O-Ring on the cone ring (6) is sacrificial)



7. Tighten the body (3) onto the inner (2) to installation torque using a CCG Spanner (7). Tighten the outer nut (5) to produce a moisture proof seal by turning till the seal makes contact with the outer sheath of cable and then turn on full turn.

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