CCG E1W

Captive Component Gland™

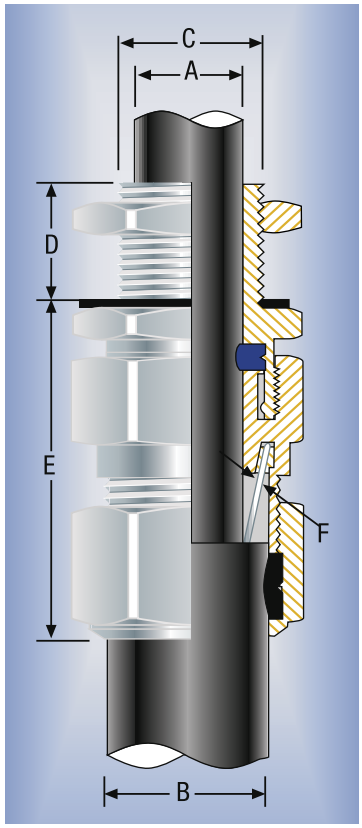
for SWA and ALUMINIUM ARMOURED CABLE

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 and outer sheath of the cable to IP66/68
- 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:	E1W
Gland Material:	Brass (Nickel Plated), BS 2874, EN 1264, Aluminium, Stainless Steel 316
Seal Material:	Thermoplastic Elastomer (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:	Shroud, Earth Tag, Locknut and Adaptor/Reducer



Standards and Certifications

Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262
Certification:	
Marine	09-SG435709A/1-PDA
SANS/SABS1213	S787/H169
BS 6121 Part 1	SGS/1542/97149
Operating Temperature:	-30°C to +130°C
Ingress Protection:	IP 66/68

Installation Standards

- ANZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142

Product Code	Gland Size Reference	Entry Thread		Cable Details (Dia)				Cable Details (Dia)		Max Length 'E'	Hex. Details (Max)	
		Metric 'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'	Min 'F'	Max 'F'		'Flats'	'Crns'
051800-16	00-16ss	M16 x 1.5	15	3.0	8.0	8.0	13.5	0.9	0.9	55	24	27
051800	00-20ss	M20 x 1.5	15	3.0	8.0	8.0	13.5	0.9	0.9	55	24	27
0518-0	0-20s	M20 x 1.5	15	8.0	12.0	11.5	16.0	0.9	1.25	55	24	27
051801	1-20	M20 x 1.5	15	11.0	15.5	14.5	21.0	0.9	1.25	55	27	31
051802	2-25	M25 x 1.5	15	15.0	20.5	20.5	27.0	1.25	1.6	60	35	40
051803	3-32	M32 x 1.5	15	20.0	26.5	26.5	33.5	1.6	2.0	65	42	48
051804	4-40	M40 x 1.5	20	26.0	34.5	33.0	43.0	1.6	2.0	65	52	60
051805	5-50	M50 x 1.5	20	34.0	44.5	42.5	52.5	2.0	2.5	75	65	75
051806	6-63	M63 x 1.5	20	44.0	57.0	52.5	65.5	2.0	2.5	85	82	94
051807	7-75	M75 x 1.5	20	56.0	68.0	65.5	78.0	2.5	3.0	105	96	110
051808	8-80	M80 x 2.0	20	68.0	74.0	78.0	83.0	2.5	3.0	148	96	110
051809	9-90	M90 x 2.0	20	74.0	82.0	83.0	91.0	3.0	3.5	165	110	125
051810	10-100	M100 x 2.0	20	81.0	91.0	90.0	101.0	3.0	3.5	140	125	143
051811	11-110	M110 x 2.0	20	86.0	98.0	100.0	114.0	3.0	4.0	147	135	152
051812	12-120	M120 x 2.0	20	95.0	103.0	103.0	118.0	3.0	4.0	150	140	158
051813	13-130	M130 x 2.0	20	100.0	115.0	113.0	124.0	3.0	4.0	155	146	164

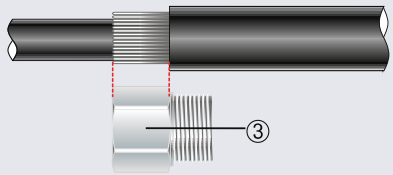
All dimensions are in mm.

Entry threads 'C': • Sizes 20mm to 75mm have a 1.5mm pitch. • Sizes 80mm to 90mm have a 2mm pitch.

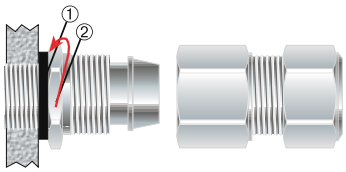
FITTING INSTRUCTIONS

CCG CABLE TERMINATIONS

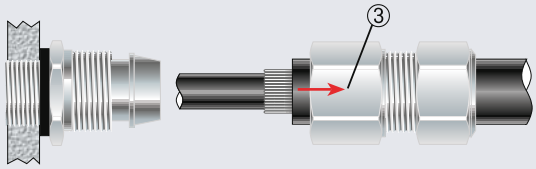
CCG E1W Captive Component Gland™



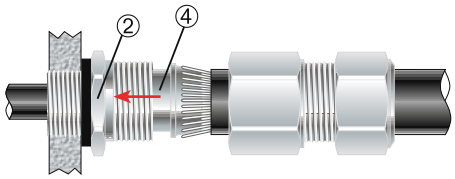
1. Cut back the cable outer sheath to expose the armour to a length not more than the gland outer body ③.



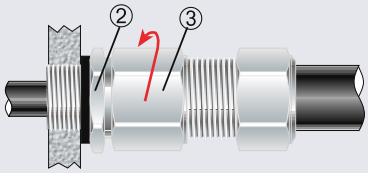
2. To maintain IP66 make sure gasket ① is in place. Screw gland inner ② into apparatus and tighten gland inner ②. If apparatus is untapped use a locknut.



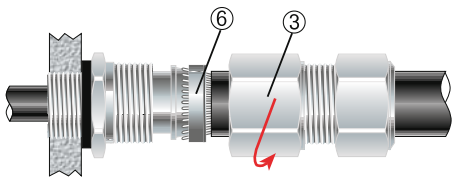
3. Pass gland outer body ③ over cable and then splay armour wires.



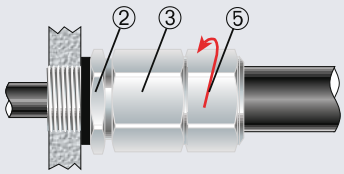
4. Pass cable end through gland inner ② and spread armour wire over cone ④.



5. Pass gland outer body ③ over gland inner ② and tighten.



6. Unscrew gland outer body ③. Check that the cone ring ⑥ has clamped the armouring.



7. Screw outer body ③ onto gland inner ② and tighten. Tighten outer seal nut ⑤ to produce a moisture proof seal by turning till seal makes contact with outer sheath of cable and then turn one full turn.

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