

E1W

CAPTIVE COMPONENT GLAND™

for SWA and Aluminium Armoured Cable



Features and Benefits

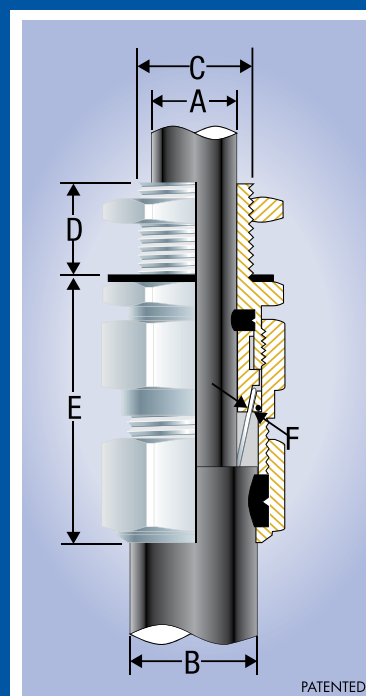
- For indoor and outdoor use.
- Two piece handling, no loose parts.
- Freely rotating captive cone and cone ring, providing an armour clamp and earth bond without twisting the armour wire with patented disconnect system for armour clamp inspection.
- Factory fitted captive elastomeric inner seal for *built in safety*™.
- Seals on both the inner and outer sheath of the cable to IP66/67/68.
- 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:	E1W
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 Certifications

Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262, IEC 62444
Certification:	
Marine	14-SG1246753-2-PDA
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 A (no earth tag), Category B (with earth tag)
Operating Temperature:	-20°C to 125°C
Ingress Protection IEC 60529:	IP66/67/68 ~ MASC 11-263



Installation Standards

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

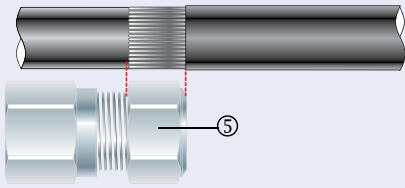
Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail				Max Length 'E'	Armour Dia		Hexagonal Detail		Install Torque Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
051800-16	00-16ss	M16x1.5	10	-	-	3.0	8.5	8.0	13.5	41.0	0.90	0.90	▲ 24	27	35.0
051800	00-20ss	M20x1.5	10	1/2/3/4	15	3.0	8.5	8.0	13.5	41.0	0.90	0.90	▲ 24	27	35.0
0518-0	0-20s	M20x1.5	10	1/2/3/4	15	7.0	12.0	11.5	16.0	43.0	0.90	1.25	▲ 24	27	35.0
051801	1-20	M20x1.5	10	1/2/3/4	15	9.0	15.0	14.5	20.5	47.0	0.90	1.25	▲ 27	31	35.0
051802	2-25	M25x1.5	10	3/4/1	15/19	14.0	20.0	20.5	26.5	56.0	1.25	1.60	▲32/35	36/39	50.0
051803	3-32	M32x1.5	10	1/1 1/4	19	19.0	26.5	26.5	33.5	57.0	1.60	2.00	▲40/42	45/48	70.0
051804	4-40	M40x1.5	15	1 1/4/1 1/2	19/21	26.0	34.0	33.0	42.5	68.0	1.60	2.00	▲ 52	60	90.0
051805	5-50	M50x1.5	15	1 1/2/2	21	34.0	44.5	42.5	52.5	72.0	2.00	2.50	▲ 65	75	100.0
051806	6-63	M63x1.5	15	2/2 1/2	21/ 30	44.0	56.5	52.5	65.5	89.0	2.00	2.50	▲ 80	90	120.0
051807	7-75	M75x1.5	15	2 1/2/3	30/ 32	56.0	67.5	65.5	78.0	97.0	2.50	3.15	▲ 96	110	120.0
051808	8-80	M80x2.0	20	3	32	68.0	74.0	78.0	82.0	98.0	2.50	3.15	▲ 96	110	120.0
051809	9-90	M90x2.0	20	3/3 1/2	32/33	74.0	81.5	82.0	91.0	123.0	3.00	3.50	▲ 111	125	120.0
051810	10-100	M100x2.0	20	3 1/2/4	33/34	81.0	91.0	90.0	100.0	124.0	3.00	3.50	▲ 125	140	120.0
051811	11-115	M115x2.0	20	4	34	86.0	98.0	100.0	114.0	134.0	3.00	4.00	▲ 135	152	120.0
051812	12-120	M120x2.0	20	-	-	95.0	103.0	103.0	118.0	136.0	3.00	4.00	▲ 140	158	120.0
051813	13-130	M130x2.0	20	-	-	100.0	115.0	113.0	124.0	140.0	3.00	4.00	▲ 146	164	120.0

All dimensions except NPT are in mm.

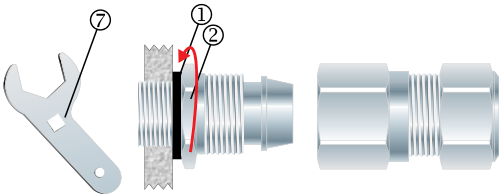
▲ For use with CCG Hex-Spanner.

◆ For use with CCG C-Spanner Spanner.

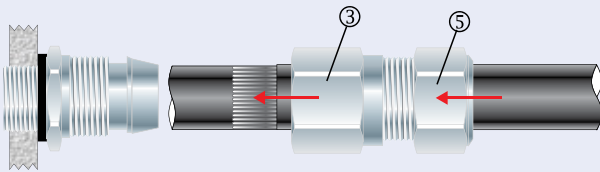
E1W Captive Component Gland™



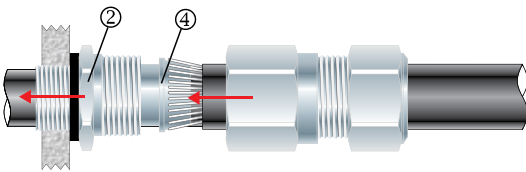
1. Cut back the cable outer sheath to expose the armour to a length not more than the outer nut ⑤.



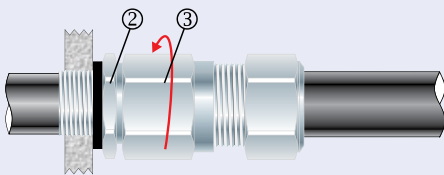
2. To maintain IP66/68 ensure the gasket ① is in place. Screw the inner ② into the apparatus. Tighten the inner ②, to installation torque using a CCG Spanner ⑦. If apparatus is untapped use a locknut.



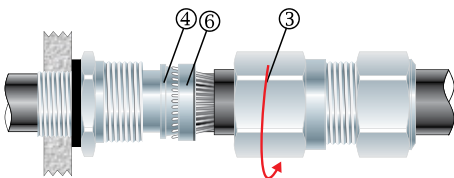
3. Pass the cable end through the outer nut ⑤ and the body ③.



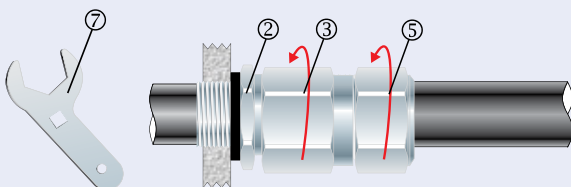
4. Pass cable end through the inner ② and splay the armour wires over the cone ④.



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 armoring 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 one full turn.