

E1U

CAPTIVE COMPONENT GLAND™

for Multi Armoured Cable



Features and Benefits

- For indoor and outdoor use.
- Two piece handling, no loose parts.
- Freely rotating captive cone and inspectible cone ring, providing an armour clamp and earth bond without twisting the armour wire. 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 IP65/66/68.
- Precision manufactured from high quality brass (nickel plated) available in aluminium or stainless steel 316/316L on request.
- Complete with thread sealing gasket and with heavy duty locknut.

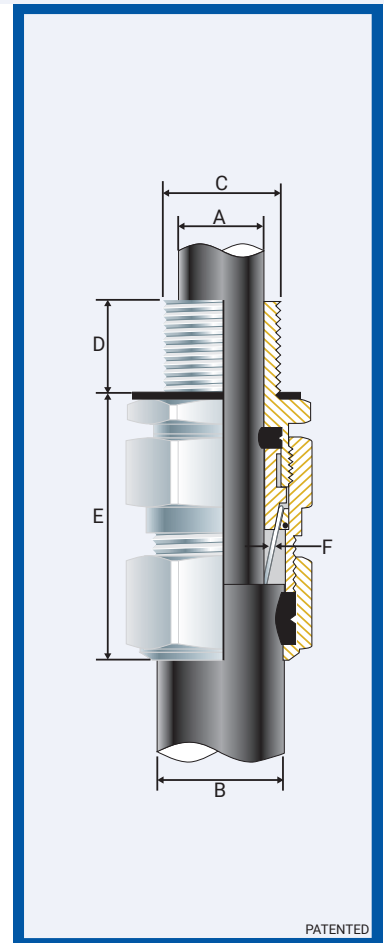


Technical Data

Type:	E1U
Gland Material:	Brass (Nickel Plated), BS 2874, EN 12164, Aluminium, Stainless Steel 316/316L
Seal Material:	Thermoset Elastomer or Silicone on request
Cable Type:	Steel Wire Armour and Aluminium Armour Wire
Armour Clamping:	Rotating Captive Cone and Inspectible Cone Ring
Sealing Area:	Inner Sheath and Outer Sheath
Optional Accessories:	Adaptor, Reducer, Earth Tag, Locknut, Serrated Washer and Shroud

Standards and Certifications

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 (continuous)	
Conformance:	Standard:	Certificate:
Design Standards	BS 6121:Part 1	CML 14CA364
	EN 50262	CML 14CA364
	IEC/BS EN 62444	CML 14CA364
	SANS 62444	MASC 11-303
	SANS 1213	2109/4596, S787/H169
IP66/68 100m - Parallel	IEC 60529	CML 15Y728, MASC 11-263
IP65 - Tapered	IEC 60529	
Marine ABS	IEC 60529, IEC 62444	ABS 14-SG1246753-2-PDA
	DNV-GL	IEC 60529, BS 6121, IEC 62444
EMC Compatible	EN 55011:2009 + A1:2010,	SGS EMC197708/1
	EN 55022:2010	
London Underground Approval	BS EN 62444	LU 3043



Installation Standards

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

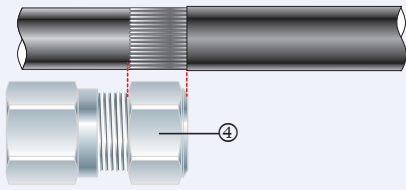
Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail				Max Length 'E'	Armour Dia		Hexagonal Detail		Install Torque Value Nm	
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'		
050800-16	00-16ss	M16x1.5	15	-	-	3.0	8.5	8.0	13.5	60.0	0.20	0.90	24.0	27.0	21.0	
050800	00-20ss	M20x1.5	15	1/2	3/4	15	3.0	8.5	8.0	13.5	60.0	0.20	0.90	24.0	27.0	21.0
0508-0	0-20s	M20x1.5	15	1/2	3/4	15	7.0	12.0	11.5	16.0	60.0	0.20	1.25	24.0	27.0	21.0
050801	1-20	M20x1.5	15	1/2	3/4	15	9.0	15.0	14.5	20.5	67.0	0.20	1.25	27.0	30.0	21.0
050822	2s-25s	M25x1.5	15	3/4	1	15/19	11.0	17.5	16.0	24.5	76.0	0.20	1.60	35.0	39.0	30.0
050802	2-25	M25x1.5	15	3/4	1	15/19	14.0	20.0	20.5	26.5	76.0	0.20	1.60	35.0	39.0	30.0
050833	3s-32s	M32x1.5	15	1	1 1/4	19	15.0	22.0	23.0	30.5	83.0	0.20	2.00	42.0	47.0	42.0
050803	3-32	M32x1.5	15	1	1 1/4	19	19.0	26.5	26.5	33.5	83.0	0.20	2.00	42.0	47.0	42.0
050844	4s-40s	M40x1.5	15	1 1/4	1 1/2	19/21	22.0	31.5	30.0	39.5	95.0	0.30	2.00	52.0	59.0	52.0
050804	4-40	M40x1.5	15	1 1/4	1 1/2	19/21	26.0	34.0	33.0	42.5	95.0	0.30	2.00	52.0	59.0	52.0
050855	5s-50s	M50x1.5	15	1 1/2	2	21	29.0	38.0	34.0	47.5	117.0	0.40	2.50	65.0	73.0	57.0
050805	5-50	M50x1.5	15	1 1/2	2	21	34.0	44.5	42.5	52.5	117.0	0.40	2.50	65.0	73.0	57.0
050866	6s-63s	M63x1.5	15	2	2 1/2	21/30	38.0	50.0	45.5	60.5	133.0	0.40	2.50	80.0	90.0	66.0
050806	6-63	M63x1.5	15	2	2 1/2	21/30	44.0	56.5	52.5	65.5	133.0	0.40	2.50	80.0	90.0	66.0
050877	7s-75s	M75x1.5	15	2 1/2	3	30/32	50.0	62.0	57.0	72.5	152.0	0.40	3.15	96.0	108.0	72.0
050807	7-75	M75x1.5	15	2 1/2	3	30/32	56.0	67.5	65.5	78.0	152.0	0.40	3.15	96.0	108.0	72.0
050808	8-80	M80x2.0	20	3	3	32	59.0	69.0	65.0	77.5	159.0	2.50	3.15	96.0	108.0	80.0
050899	9s-90s	M90x2.0	20	3	3 1/2	32/33	66.0	75.0	73.0	86.5	159.0	3.00	3.50	111.0	125.0	89.0
050809	9-90	M90x2.0	20	3	3 1/2	32/33	74.0	81.5	82.0	91.0	159.0	3.00	3.50	111.0	125.0	89.0
050810	10-100	M100x2.0	20	3 1/2	4	33/34	81.0	91.0	90.0	100.0	160.0	3.00	3.50	125.0	141.0	98.0

All dimensions except NPT are in mm.

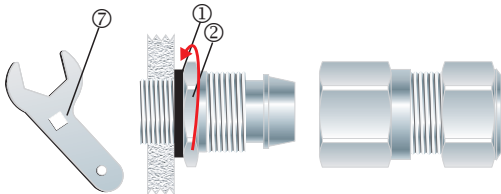
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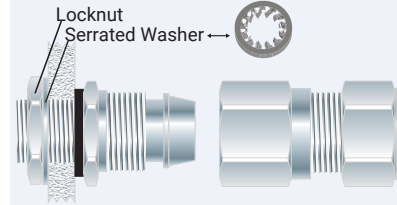


1. Cut back the cable outer sheath to expose the armour to a length not more than the outer nut ④.

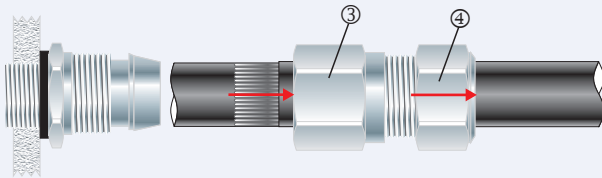


2. To maintain IP66/68 ensure the gasket ① is in place. Screw the inner ② into the apparatus. Tighten the inner ②, to installation torque using a CCG Spanner ⑦.

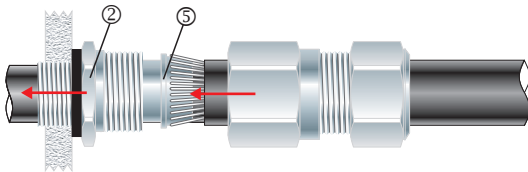
Alternative installation through an unthreaded entry.



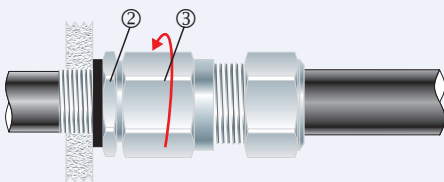
If the apparatus is untapped use a locknut.



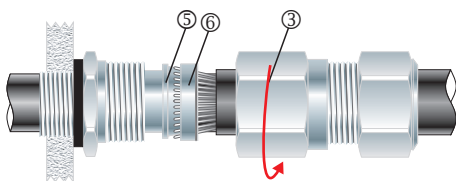
3. Pass the the outer nut ④ and the body ③ over the cable.



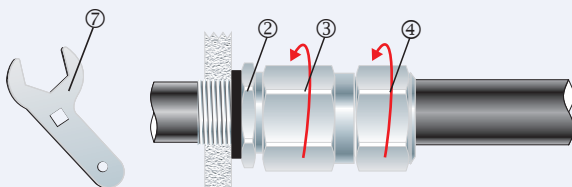
4. Pass cable end through the inner ② and splay the armour wires over the cone ⑤.



5. Tighten the body ③ onto the inner ② and tighten the body ③ to lock the armour between the cone ⑤ and the cone ring ⑥.



6. Unscrew the body ③. Check that the armour has locked between the cone ⑤ and the cone ring ⑥. (O-Ring on the cone ring ⑥ is sacrificial)



7. Tighten the body ③ onto the inner ② to the installation torque using a CCG Spanner ⑦. Tighten the outer nut ④ to produce a moisture proof seal by turning until the seal makes contact with the outer sheath of cable and then turn one full turn.