

E1X/Z

CAPTIVE COMPONENT GLAND™ for Braided and Steel Tape Cable



Features and Benefits

- For 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.
- Provides a seal on the inner and outer sheath of the cable sealing to IP66/67/68.
- Precision manufactured from high quality brass (nickel plated), stainless steel on request.

Technical Data

Type:	E1X/Z
Gland Material:	Brass (Nickel Plated) BS 2874, EN 12164, Stainless Steel 316
Seal Material:	Thermoset Elastomer
Cable Type:	Braid, Steel Tape Armour
Armour Clamping:	Captive Rotating Cone and Cone Ring
Sealing Area:	Inner and Outer Sheath
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud

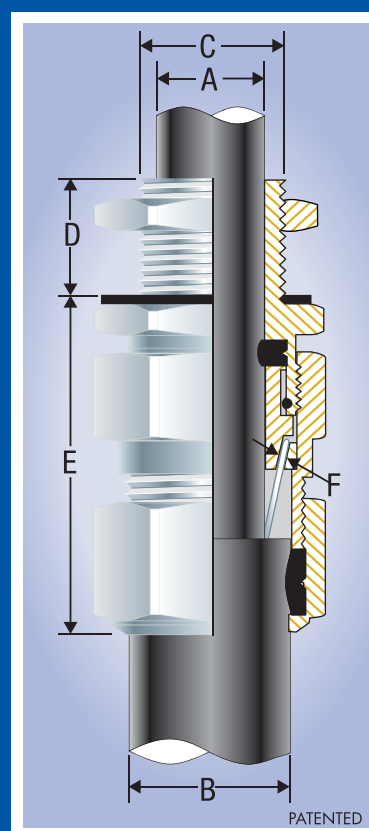
Standards and Certifications

Design Standards:	BS 6121 Part 1, EN 50262, IEC 62444
Certification:	
Marine	09-SG435709A/1-PDA
IEC 62444	MASC 11-303
Mechanical Properties:	Impact Category 8 Anchorage Type C
Electrical Properties:	Category A (no earth tag) Category B (with earth tag)
Operating Temperature:	-20°C to 125°C
Ingress Protection:	IP66/67/68



Installation Standards

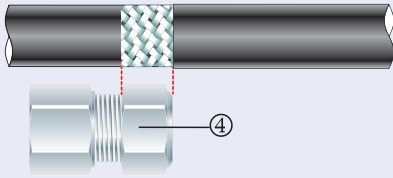
- AS/NZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142



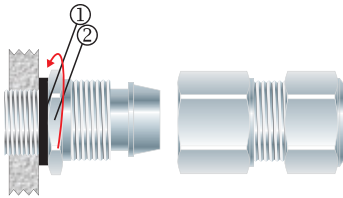
Product Code	Gland Size Reference	Metric Entry Thread		Cable Detail				Max Length 'E'	Hexagonal Detail		Braid /STA Thickness Max	Install. Torque Nm
		'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Max 'Flats'	Max 'Crns'		
051700	00-20ss	M20x1.5	10	3.0	8.5	8.0	13.5	55.0	24.0	27.0	0.85	35.0
05170	0-20s	M20x1.5	10	7.0	12.0	11.5	16.0	55.0	24.0	27.0	0.85	35.0
051701	1-20	M20x1.5	10	9.0	15.0	14.5	20.5	55.0	27.0	31.0	0.90	35.0
051702	2-25	M25x1.5	10	14.0	20.0	20.5	26.5	60.0	35.0	40.0	1.25	50.0
051703	3-32	M32x1.5	10	19.0	26.5	26.5	33.5	65.0	42.0	48.0	1.40	70.0
051704	4-40	M40x1.5	15	26.0	34.0	33.0	42.5	65.0	52.0	60.0	1.40	90.0
051705	5-50	M50x1.5	15	34.0	44.5	42.5	52.5	75.0	65.0	75.0	1.40	100.0
051706	6-63	M63x1.5	15	44.0	56.5	52.5	65.5	85.0	82.0	94.0	1.50	120.0
051707	7-75	M75x1.5	15	56.0	67.5	65.5	78.0	105.0	96.0	110.0	1.50	120.0
051708	8-80	M80x2.0	20	68.0	74.0	78.0	82.0	148.0	96.0	110.0	1.60	120.0
051709	9-90	M90x2.0	20	74.0	81.5	82.0	91.0	165.0	110.0	125.0	1.60	120.0

All dimensions are in mm.

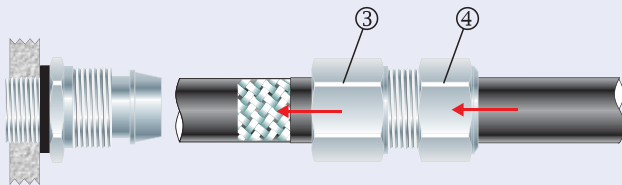
E1X/Z Captive Component Gland™



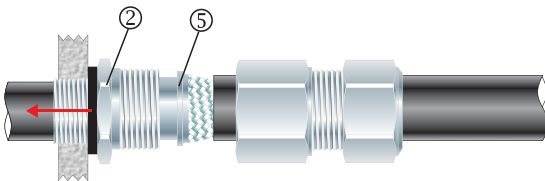
1. Cut back the cable outer sheath to expose the braid to a length not more than the outer nut ④.



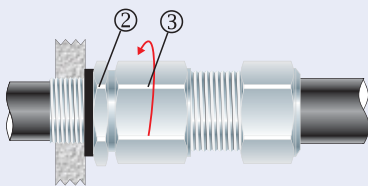
2. To maintain IP66 ensure the gasket ① is in place. Tighten the inner ② into the apparatus. If apparatus is untapped use a locknut.



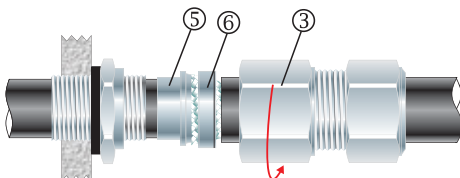
3. Pass the cable end through the outer nut ④ and the body ③.



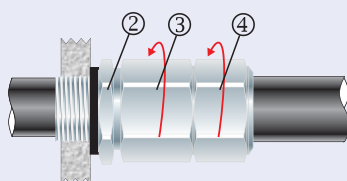
4. Pass the cable end through the inner ②. Splay the braiding over the cone ⑤.



5. Tighten the body ③ into the inner ②.



6. Unscrew the body ③. Check that the braiding has locked between the cone ⑤ and the cone ring ⑥.



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