

CX/Z

CAPTIVE COMPONENT GLAND™

for Braided and Steel Tape 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 armouring.
- Patented disconnect armoured clamp system for ease of inspection.
- Provides a seal on the outer sheath of the cable sealing to IP65/66.
- Precision manufactured from high quality brass (nickel plated) available in stainless steel 316/316L on request.
- Complete with thread sealing gasket and heavy duty locknut.

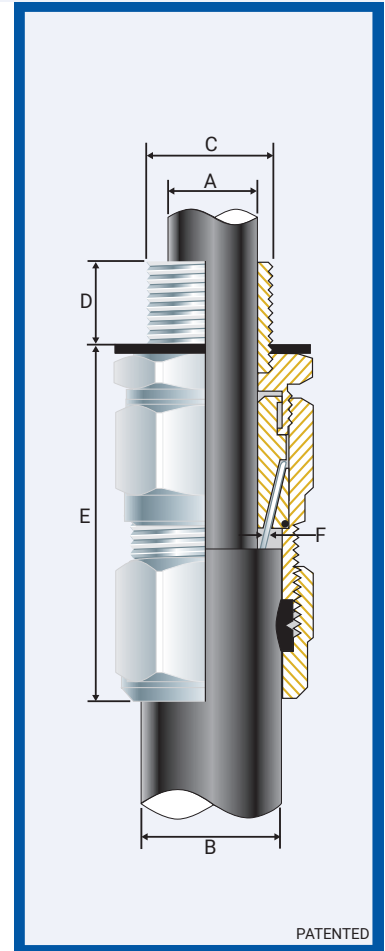


Technical Data

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

Standards and Certifications

Mechanical Properties:	Impact Category 8 Anchorage Type C	
Electrical Properties:	Category A	
Operating Temperature:	-20°C to +125°C (continuous)	
Conformance:	Standard:	Certificate:
Design Standards	BS 6121:Part 1 IEC/BS EN 62444 SANS 62444 SANS 1213	CML 14CA364 CML 14CA364 MASC 11-303 MASC 18-2047, SANS 2109/4596 MASC 11-263
IP66 - Parallel	IEC 60529	
IP65 - Tapered	IEC 60529	
Marine ABS	IEC 60529, IEC 62444	ABS 14-SG1246753-2-PDA
DNV-GL	IEC 60529, BS 6121, IEC 62444	DNV-GL TAE000000Z
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

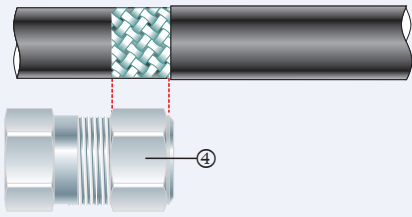
Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail			Maximum Length 'E'	Braid/STA Thickness		Hexagonal Detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
051300-16	00-16ss	M16x1.5	10	-	-	8.0	8.0	13.5	55.0	0.20	0.85	24.0	27.0	35.0
051300	00-20ss	M20x1.5	10	1/2/3/4	15	8.0	8.0	13.5	55.0	0.20	0.85	24.0	27.0	35.0
0513-0	0-20s	M20x1.5	10	1/2/3/4	15	12.0	11.5	16.0	55.0	0.20	0.90	24.0	27.0	35.0
051301	1-20	M20x1.5	10	1/2/3/4	15	15.5	14.5	20.5	55.0	0.20	1.25	27.0	30.0	35.0
051322	2s-25s	M25x1.5	10	3/4/1	15/19	20.0	16.0	24.5	60.0	0.20	1.25	35.0	39.0	50.0
051302	2-25	M25x1.5	10	3/4/1	15/19	20.0	20.5	26.5	60.0	0.20	1.25	35.0	39.0	50.0
051333	3s-32s	M32x1.5	10	1/1 1/4	19	26.5	23.0	30.5	65.0	0.20	1.40	42.0	47.0	70.0
051303	3-32	M32x1.5	10	1/1 1/4	19	26.5	26.5	33.5	65.0	0.20	1.40	42.0	47.0	70.0
051344	4s-40s	M40x1.5	15	1 1/4/1 1/2	19/21	34.5	30.0	39.5	65.0	0.30	1.40	52.0	59.0	90.0
051304	4-40	M40x1.5	15	1 1/4/1 1/2	19/21	34.5	33.0	42.5	65.0	0.30	1.40	52.0	59.0	90.0
051355	5s-50s	M50x1.5	15	1 1/2/2	21	44.5	34.0	47.5	75.0	0.40	1.40	65.0	73.0	100.0
051305	5-50	M50x1.5	15	1 1/2/2	21	44.5	42.5	52.5	75.0	0.40	1.40	65.0	73.0	100.0
051366	6s-63s	M63x1.5	15	2/2 1/2	21/30	57.0	45.5	60.5	85.0	0.40	1.50	80.0	90.0	120.0
051306	6-63	M63x1.5	15	2/2 1/2	21/30	57.0	52.5	65.5	85.0	0.40	1.50	80.0	90.0	120.0
051377	7s-75s	M75x1.5	15	2 1/2/3	30/ 32	68.0	57.0	72.5	105.0	0.40	1.50	96.0	108.0	120.0
051307	7-75	M75x1.5	15	2 1/2/3	30/32	68.0	65.5	78.0	105.0	0.40	1.50	96.0	108.0	120.0
051388	8s-80s	M80x2.0	20	3	32	74.0	65.0	77.5	125.0	2.50	1.60	96.0	108.0	120.0
051308	8-80	M80x2.0	20	3	32	74.0	78.0	82.0	125.0	2.50	1.60	96.0	108.0	120.0
051399	9s-90s	M90x2.0	20	3/3 1/2	32/33	82.0	73.0	86.5	145.0	3.00	1.60	110.0	124.0	120.0
051309	9-90	M90x2.0	20	3/3 1/2	32/33	82.0	82.0	91.0	145.0	3.00	1.60	110.0	124.0	120.0

All dimensions except NPT are in mm.

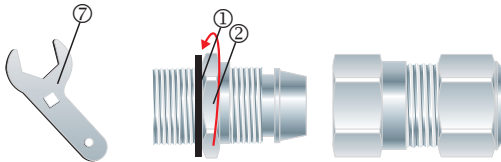
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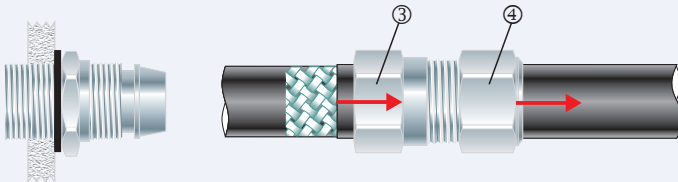
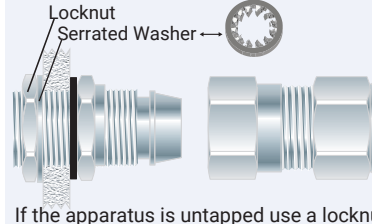


1. Cut back the cable outer sheath to expose the braid to a length not more than the outer nut ④.

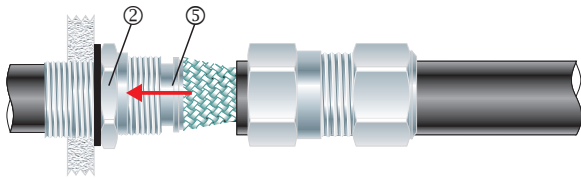


2. To maintain IP66 ensure the gasket ① is in place. Screw the inner ② into apparatus. Tighten the inner ② to the installation torque using a CCG Spanner ⑦.

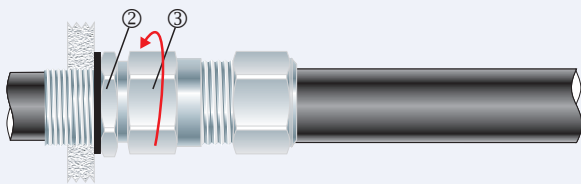
Alternative installation through an unthreaded entry.



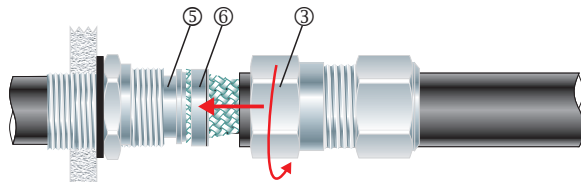
3. Pass the outer nut ④ and the body ③ over the cable.



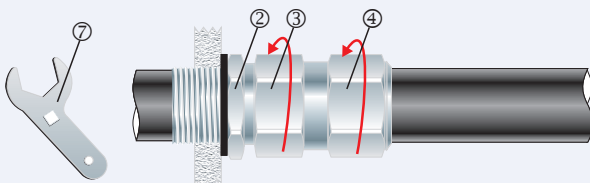
4. Pass cable end through the inner ②. Splay the braid over the cone ⑤.



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



6. Unscrew the body ③. Check that the braid 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 into the inner ② and tighten the body ③ to 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 make one full turn.