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CCG CABLE TERMINATIONS

EX Corrosion Guard™

Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC

CABLE GLAND for Steel and Aluminium Armoured Cable

Features and Benefits

- For use in highly corrosive and wet areas.
- Cable Gland is precision manufactured from high quality brass (nickel-plated).
- Factory fitted captive elastomeric seals for *built-in safety*™.
- The screw-on Corrosion Guard™ is manufactured from non-corrosive material to protect the armour and metal parts of the gland.
- Corrosion Guard™ screws onto the gland body and seals over the outer sheath of the cable giving an IP68 and deluge proof seal.
- Complete with polypropylene sealing gasket and an end cap / safety gauge for correct gland selection.

Technical Data

Type:	EX Corrosion Guard™
Gland Material:	Brass (Nickel Plated)
Corrosion Guard Material:	Glass Reinforced Polyester Compound / PBT
Seal Material:	Thermoset Elastomer
Cable Type:	Steel Wire, Aluminium Armour
Armour Clamping:	Captive Cone and Cone Ring
Sealing Area:	Inner and outer sheath and total enclosure of gland
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer and Serrated Washer

Standards and Certifications

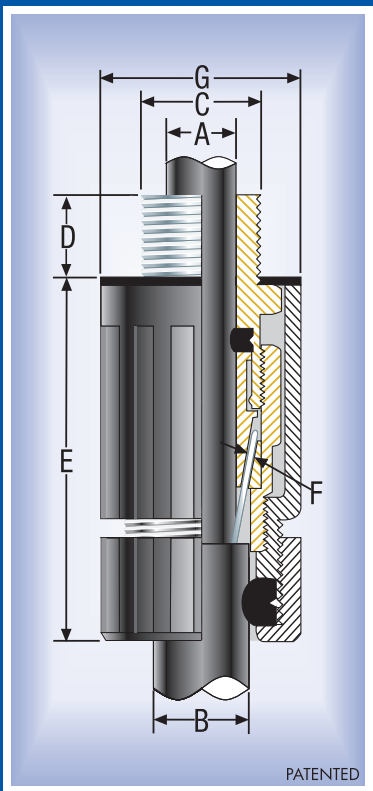
Equipment Protection Levels:	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db II 2G, II 2D, II 3G	
Certification:		Standards:
Australian/New Zealand/IEC	IECEx ITA 12.0014X	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31
ATEX	TÜV 13 ATEX 7397X	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
	TÜV 13 ATEX 7422X	EN 60079-0, EN 60079-15
SANS/IEC	MASC MS/13-028X	SANS/IEC 60079-0, SANS/IEC 60079-1, SANS/IEC 60079-7, SANS/IEC 60079-15, SANS/IEC 60079-31
Marine	09-SG435709-PDA	
Operating Temperature:	-20°C to +95°C	
Ingress Protection:	IP 66/68 (2m)	IEC 60529

IECEx Ex CE ATEX MASC SABS APPROVED ABS

Conditions and limitations for Safe Use - X

This gland must be used as part of a certified assembly in surface Group II installations only.

- *According to IEC 60079-14, 10.4.2 the following must be adhered to:*
  a. This gland will only maintain Ex d integrity when used with substantially round, compact and filled cable. If not a CCG StopEx™ or QuickStop-Ex™ Barrier Gland should be used.



Product Code	Gland Size Reference	Metric Entry Thread 'C'	Min 'D'	Cable Details (Dia) Min 'A'	Max 'A'	Min 'B'	Max 'B'	Max Length 'E'	Armour Dia Min 'F'	Max 'F'	Max Dia 'G'	Hexagonal Detail 'Flats'	'Crns'	Install. Torque Nm
054700-16	00-16ss	M16x1.5	15	3.0	8.5	8.0	13.5	46.0	0.20	1.25	33.0	▲ 24.0	27.0	21.0
054700	00-20ss	M20x1.5	15	3.0	8.5	8.0	13.5	46.0	0.20	1.25	33.0	▲ 24.0	27.0	21.0
0547-0	0-20s	M20x1.5	15	7.0	12.0	11.5	16.0	46.0	0.20	1.25	33.0	▲ 24.0	27.0	21.0
054701	1-20	M20x1.5	15	9.0	15.0	14.5	20.5	51.0	0.20	1.25	36.0	▲ 27.0	31.0	21.0
054722	2s-25s	M25x1.5	15	11.0	17.5	16.0	24.5	58.0	0.20	1.60	46.0	▲ 35.0	40.0	30.0
054702	2-25	M25x1.5	15	14.0	20.0	20.5	26.5	58.0	0.20	1.60	46.0	▲ 35.0	40.0	30.0
054733	3s-32s	M32x1.5	15	15.0	22.0	23.0	30.5	67.0	0.20	2.00	53.0	▲ 42.0	48.0	42.0
054703	3-32	M32x1.5	15	19.0	26.5	26.5	33.5	67.0	0.20	2.00	53.0	▲ 42.0	48.0	42.0
054744	4s-40s	M40x1.5	15	22.0	31.5	30.0	39.5	74.0	0.30	2.00	68.0	▲ 52.0	60.0	52.0
054704	4-40	M40x1.5	15	26.0	34.0	33.0	42.5	74.0	0.30	2.00	68.0	▲ 52.0	60.0	52.0
054755	5s-50s	M50x1.5	15	29.0	38.0	34.0	47.5	89.0	0.40	2.50	84.0	▲ 65.0	75.0	57.0
054705	5-50	M50x1.5	15	34.0	44.5	42.5	52.5	89.0	0.40	2.50	84.0	▲ 65.0	75.0	57.0
054766	6s-63s	M63x1.5	15	38.0	50.0	45.5	60.5	102.0	0.40	2.50	110.0	▲ 80.0	90.0	66.0
054706	6-63	M63x1.5	15	44.0	56.5	52.5	65.5	102.0	0.40	2.50	110.0	▲ 80.0	90.0	66.0
054777	7s-75s	M75x1.5	15	50.0	62.0	60.0	72.0	106.0	0.40	3.15	124.0	▲ 96.0	110.0	72.0
054707	7-75	M75x1.5	15	56.0	67.5	65.5	78.0	106.0	0.40	3.15	124.0	▲ 96.0	110.0	72.0
054708	8-80	M80x2.0	20	59.0	69.0	65.0	77.0	117.0	2.50	3.15	124.0	▲ 96.0	110.0	80.0
054999	9s-90s	M90x2.0	20	64.0	75.0	73.0	86.0	117.0	3.00	3.50	124.0	▲111.0	125.0	89.0
054709	9-90	M90x2.0	20	74.0	81.5	82.0	90.5	117.0	3.00	3.50	140.0	▲111.0	125.0	89.0
054710	10-100	M100x2.0	20	81.0	91.0	91.0	101.0	117.0	3.00	3.50	140.0	▲125.0	140.0	98.0

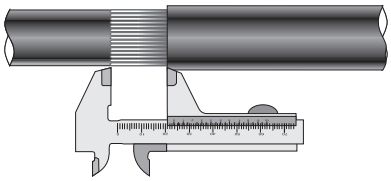
All dimensions are in mm. ▲ For use with CCG Hex Spanner.

FITTING INSTRUCTIONS *Metric Illustration*

CCG CABLE TERMINATIONS

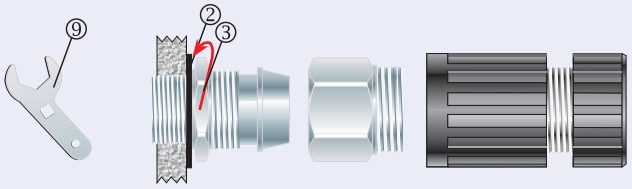
EX Corrosion Guard™ Cable Gland Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC

1. Check correct gland size. Use the end cap (patented). If cable inner sheath ① passes through the hole in the end cap, use a gland one size smaller.

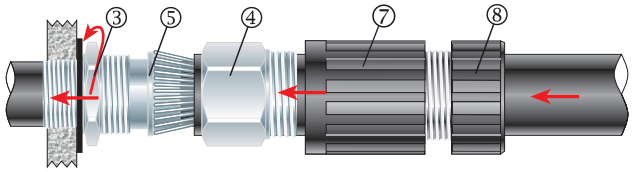


Gland Size	SWA Length	Gland Size	SWA Length	Gland Size	SWA Length	Gland Size	SWA Length
00-16ss	20.0	2-25	25.0	5s-50s	35.0	7-75	50.0
00-20ss	20.0	3s-32s	30.0	5-50	35.0	8-80	50.0
0-20s	20.0	3-32	30.0	6s-63s	45.0	9s-90s	50.0
1-20	25.0	4s-40s	30.0	6-63	45.0	9-90	50.0
2s-25s	25.0	4-40	30.0	7s-75s	50.0	10-100	60.0

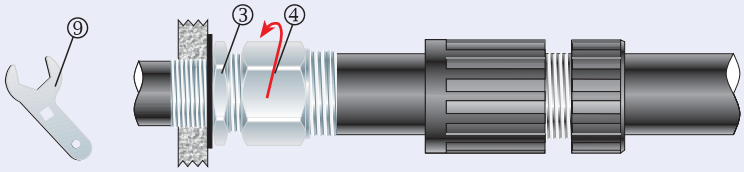
2. Cut back the cable outer sheath to expose the armour to a length as per the table above.



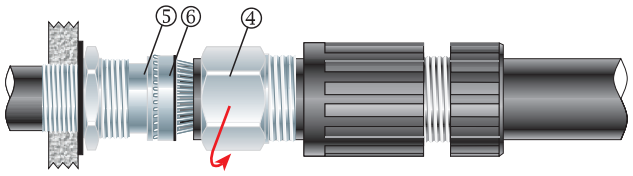
3. To maintain IP66/68 ensure gasket ② is in place. Screw the inner ③ into apparatus. Tighten the inner ③ to installation torque using a CCG Spanner ⑨.



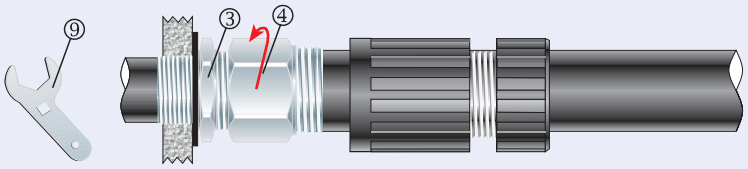
4. Pass the corrosion guard outer nut ⑧ and corrosion guard body ⑦ and body ④ over the cable. Pass the cable end through the inner ③ and splay the armour wires over the cone ⑤.



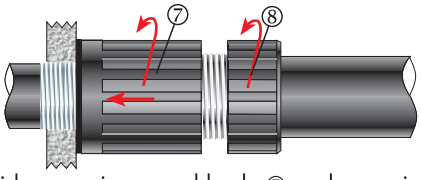
5. Screw the body ④ onto the inner ③ and tighten the body ④ using a CCG Spanner ⑨.



6. Unscrew the body ④. Check that the armouring has locked between the cone ⑤ and cone ring ⑥.



7. Screw the body ④ onto the inner ③. Tighten the body ④ to installation torque using a CCG Spanner ⑨.



8. Slide corrosion guard body ⑦ and corrosion guard outer nut ⑧ over assembled gland, screw corrosion guard body ⑦ onto gland. **Hand tighten** corrosion guard body ⑦ and corrosion guard outer nut ⑧ to produce the required dust and waterproof seal IP66/68.

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