CCG CABLE TERMINATIONS

BW

CAPTIVE CONE GLAND®

for Steel Wire Armoured and Aluminium Armoured Cable

Features and Benefits

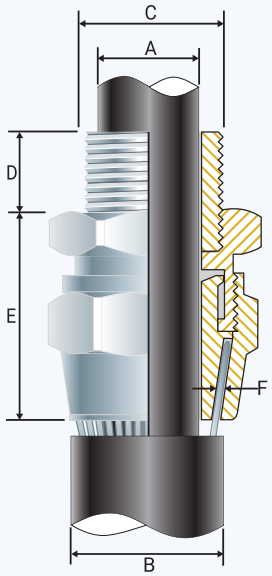
- For indoor use.
- Two-part handling, no loose parts.
- Freely rotating captive cone, providing an armour clamp and earth bond without twisting the armouring.
- Precision manufactured from high-quality brass (nickel plated) available in aluminium on request.
- Complete with heavy duty locknut.

Technical Data

Type:	BW
Gland Material:	Brass (Nickel Plated) BS 2874, EN 12164 or Aluminium ASTM B221
Cable Type:	Steel Wire Armour / Aluminium Armour Wire
Armour Clamping:	Rotating Captive Cone
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)	
Continuous Operating Temp:	-65°C to +120°C	
Conformance:	Standard:	Certificate:
Design Standards	BS 6121:Part 1 IEC/BS EN 62444 SANS 62444 SANS 1213	CML 14CA364 CML 14CA364 MASC 22-9012 MASC 26-9013, SANS 2109/4596
Ingress Protection	IP2X (without a shroud)	
EMC Compatible	EN 55011, + A1, EN 55022	SGS EMC305079/1
London Underground Approval	BS EN 62444	LU 3043



PATENTED

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'	Armour Dia		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'	
0503-0	0-20s	M20x1.5	10	½/¾	15	12.0	11.5	16.0	23.0	0.90	1.25	▲◆ 22	◆ 25	35.0
050301	1-20	M20x1.5	10	½/¾	15	15.0	14.5	20.5	26.0	0.90	1.25	▲ 25/27	28/30	35.0
050302	2-25	M25x1.5	10	¾/1	15/19	20.0	20.5	26.5	29.0	1.25	1.60	▲ 35	39	50.0
050303	3-32	M32x1.5	10	1/1¼	19	26.5	26.5	33.5	32.0	1.60	2.00	▲ 42	47	70.0
050304	4-40	M40x1.5	15	1¼/1½	19/21	34.0	33.0	42.5	36.0	1.60	2.00	▲ 52	59	90.0
050305	5-50	M50x1.5	15	1½/2	21	44.5	42.5	52.5	45.0	2.00	2.50	▲ 65	73	100.0
050306	6-63	M63x1.5	15	2/2½	21/30	56.5	52.5	65.5	50.0	2.00	2.50	▲ 80	90	120.0
050307	7-75	M75x1.5	15	2½/3	30/32	67.5	65.5	78.0	60.0	2.50	3.15	▲ 96	102	120.0
050308	8-80	M80x2.0	20	3	32	74.0	78.0	82.0	65.0	2.50	3.15	▲ 96	102	120.0
050309	9-90	M90x2.0	20	3/3½	32/33	81.5	82.0	91.0	69.0	3.00	3.50	▲ 111	125	120.0
050310	10-100	M100x2.0	20	3½/4	33/34	91.0	90.0	100.0	88.0	3.00	3.50	✦ -	-	120.0
050311	11-110	M110x2.0	20	4	34	98.0	100.0	114.0	88.0	3.00	4.00	✦ -	-	120.0
050312	12-120	M120x2.0	20	-	-	103.0	103.0	118.0	100.0	3.00	4.00	✦ -	-	120.0
050313	13-130	M130x2.0	20	-	-	115.0	113.0	124.0	100.0	3.00	4.00	✦ -	-	120.0

All dimensions are in mm.

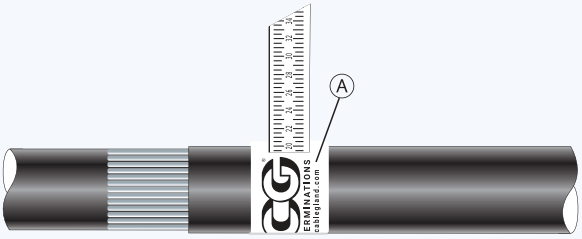
▲ For use with a CCG Hex Spanner. ✦ For use with a CCG C Spanner.

◆ When manufactured in Aluminium, Hex will be 27 Across Flats and 30 Across Corners.

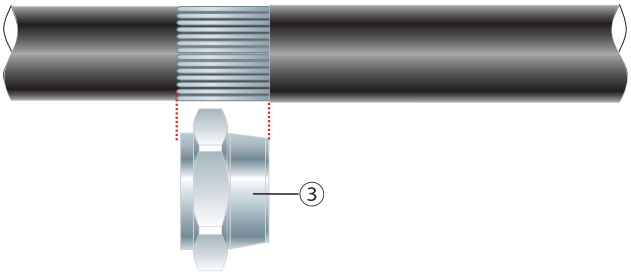
CCG reserves the right to make alterations to the technical data, dimensions, designs and products available without notice. The illustrations cannot be considered binding. Please contact CCG for assistance.

2026 © CCG CABLE TERMINATIONS (PTY) LTD

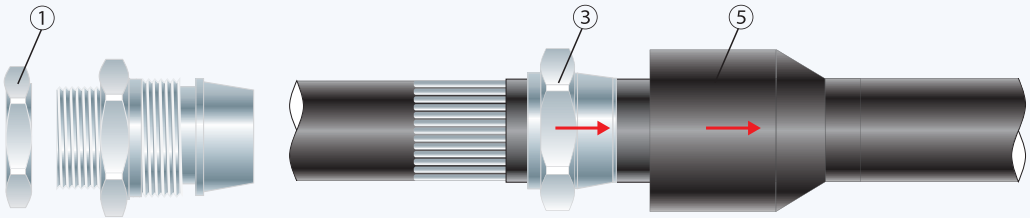
BW CAPTIVE CONE GLAND®



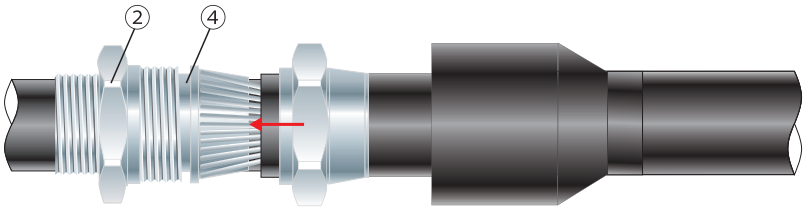
1. For accurate sizing, use a CCG Dimension Tape Ⓐ on the inner and outer cable sheath.



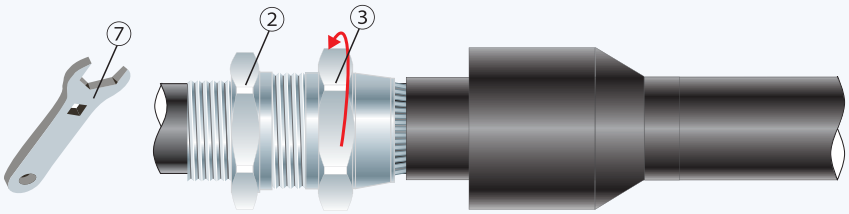
2. Cut back the cable outer sheath to expose the armour to a length not more than the outer ③.



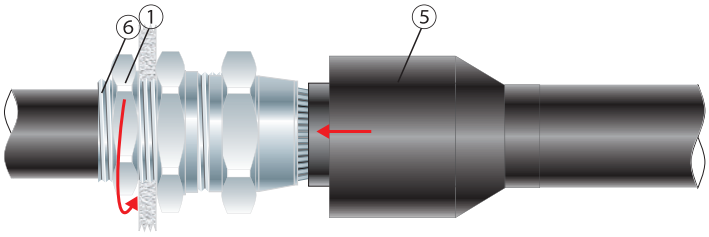
3. Remove the locknut ①. Slide the shroud ⑤ and the outer ③ over the cable.



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



5. Tighten the outer ③ onto the inner ② to the installation torque using a CCG Spanner ⑦.



6. Insert the gland bush ⑥ into the cable entry of the apparatus and tighten the locknut ①. Slide the shroud ⑤ over the gland.