

A2EX

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

COMPRESSION GLAND for Unarmoured Cable



Features and Benefits

- For indoor, outdoor and hazardous areas.
- Inner seal seals on the cable sheath. Outer seal grips the cable giving superior cable retention and IP rating.
- Precision manufactured from high quality brass (electroless nickel plated) or stainless steel. (Aluminium Ex e only)
- Complete with a polypropylene sealing gasket and an end cap safety gauge for correct gland selection.

Technical Data

Type:	A2EX
Gland Material:	Brass (Electroless Nickel Plated) or Stainless Steel (Aluminium Ex e only)
Seal Material:	Thermoset Elastomer
Cable Type:	Unarmoured
Sealing Area:	Outer Sheath
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud

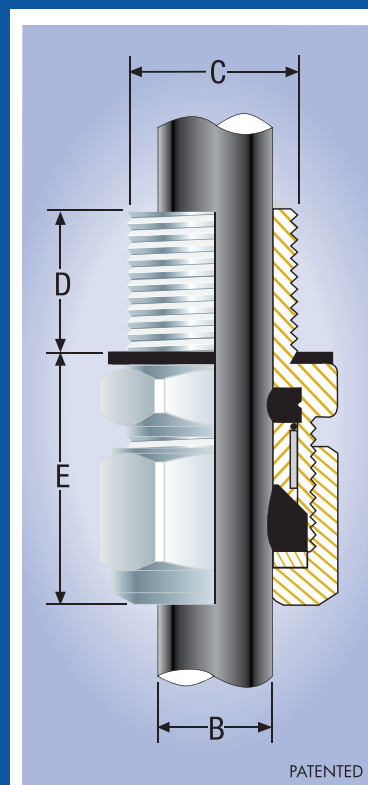
Standards and Certifications

Equipment Protection Levels:	Ex d II 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:	IP66/68 (2m) IEC 60529



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 CCG QuickStop-Ex™ Barrier Gland should be used.



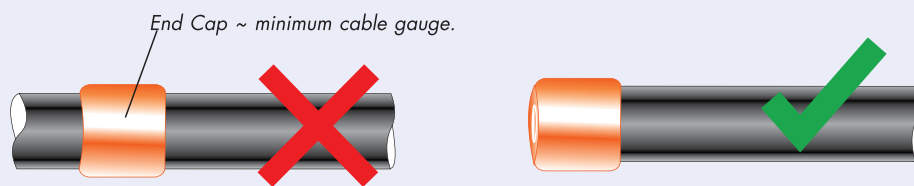
Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail		Maximum Length 'E'	Hexagonal Detail		Install. Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'B'	Max 'B'		Max 'Flats'	Max 'Crns'	
053600-16	00-16ss	M16x1.5	15	-	-	3.0	8.5	25.0	24.0	27.0	32.5
053600	00-20ss	M20x1.5	15	1/2/3/4	15	3.0	8.5	25.0	24.0	27.0	32.5
0536-0	0-20s	M20x1.5	15	1/2/3/4	15	7.0	12.0	25.0	24.0	27.0	32.5
053601	1-20	M20x1.5	15	1/2/3/4	15	9.0	15.0	30.0	27.0	31.0	32.5
053622	2s-25s	M25x1.5	15	3/4/1	15/19	11.0	17.5	30.0	35.0	40.0	47.5
053602	2-25	M25x1.5	15	3/4/1	15/19	14.0	20.0	30.0	35.0	40.0	47.5
053633	3s-32s	M32x1.5	15	1/1 1/4	19	15.0	22.0	30.0	42.0	48.0	55.0
053603	3-32	M32x1.5	15	1/1 1/4	19	19.0	26.5	30.0	42.0	48.0	55.0
053644	4s-40s	M40x1.5	15	1 1/4/1 1/2	19/21	22.0	31.5	38.0	52.0	60.0	65.0
053604	4-40	M40x1.5	15	1 1/4/1 1/2	19/21	26.0	34.0	38.0	52.0	60.0	65.0
053655	5s-50s	M50x1.5	15	1 1/2/2	21	29.0	38.0	46.0	65.0	75.0	82.5
053605	5-50	M50x1.5	15	1 1/2/2	21	34.0	44.5	46.0	65.0	75.0	82.5
053666	6s-63s	M63x1.5	15	2/2 1/2	21/30	38.0	50.0	52.0	80.0	90.0	97.5
053606	6-63	M63x1.5	15	2/2 1/2	21/30	44.0	56.5	52.0	80.0	90.0	97.5
053677	7s-75s	M75x1.5	15	2 1/2/3	30/32	50.0	62.0	54.0	96.0	110.0	115.5
053607	7-75	M75x1.5	15	2 1/2/3	30/32	56.0	67.5	54.0	96.0	110.0	115.5
053608	8-80	M80x2.0	20	3	32	59.0	69.0	68.0	96.0	110.0	120.0
053699	9s-90s	M90x2.0	20	3/3 1/2	32/33	66.0	75.0	70.0	111.0	125.0	120.0
053609	9-90	M90x2.0	20	3/3 1/2	32/33	74.0	81.5	70.0	111.0	125.0	120.0
053610	10-100	M100x2.0	20	3 1/2/4	33/34	81.0	91.0	70.0	125.0	142.0	120.0
053611	11-110	M110x2.0	20	4	34	86.0	101.0	70.0	135.0	152.0	175.0

All dimensions except NPT are in mm.

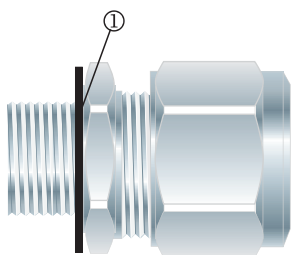
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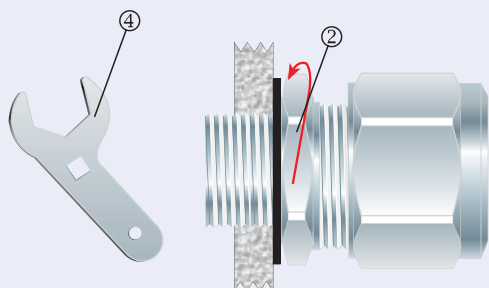
A2EX Compression Gland **Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIC**



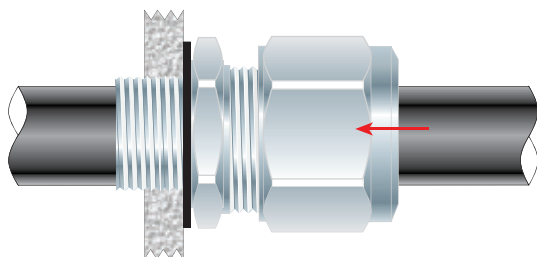
1. To check the correct gland size. Use the end cap (patented). If cable passes through the hole in the end cap, use a gland one size smaller.



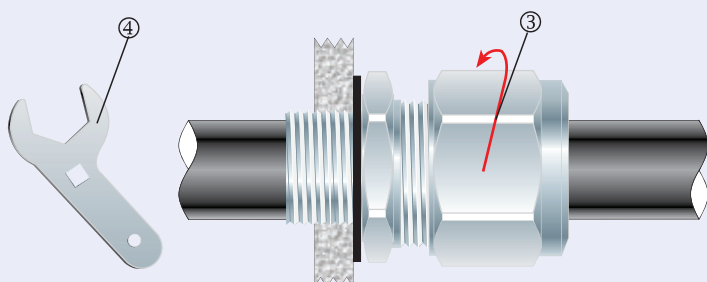
2. To maintain IP66/68 ensure the gasket ① is in place.



3. Screw the gland unit into the apparatus. Tighten the inner ② to the installation torque using a CCG Spanner ④.



4. Pass the cable end through the gland assembly.



5. Tighten the outer nut ③ to the installation torque using a CCG Spanner ④ to produce a seal and grip on the cable.