

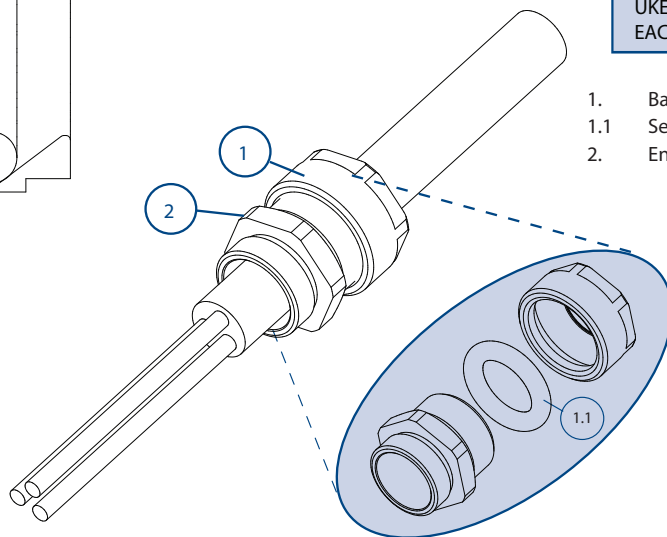
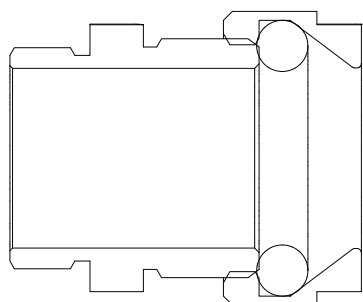
Assembly Instructions for cable gland: 501/321



HAWKE International

AI 2044 / Issue F - 12/21

Operating temperature range -60°C +80°C

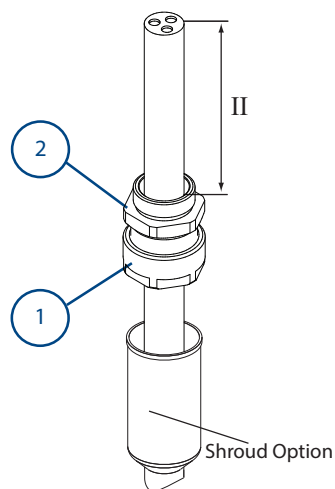


- 1. Backnut
- 1.1 Seal
- 2. Entry

Certification Details

Gland Type: 501/321
 Ex eb IIC Gb, Ex tb IIIC Db
 CESI 19 ATEX 038X
 EX II2GD IP66/67/68
 IECEx CES 19.0014X
 UKEX CML21UKEX3824X
 EAC No EA3C RU C-GB.HA91.B.00264/21

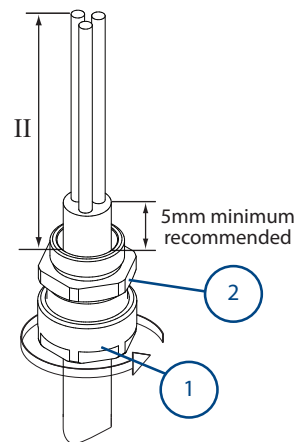
Cable Preparation



A
 Allow sufficient length of cable, II, to suit equipment.
 If required, fit shroud.
 Pass cable through the cable gland as shown above.

Note: If the equipment has a threaded entry, it may be advisable to screw the cable gland into the equipment to prevent twisting of the cable after Step B

Gland Preparation



B
 Unless already screwed into the equipment, hold the entry ② in position with a spanner/wrench to prevent rotation and tighten the backnut ① using a wrench/spanner until resistance is felt between the seal and cable. Then turn the back nut through a further half to one full turn to complete the inner seal. Locate the shroud over the cable gland, if applicable.

To ease wiring inside the equipment it may be beneficial to strip the outer sheath of the cable as shown above.

IMPORTANT: Support the cable to prevent it from twisting

Connection Solutions

www.ehawke.com

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 Registered No. 669157 in England. Registered Office:
 Cannon Place, 78 Cannon Street, London EC4N 6AF.

A member of the Hubbell Group of Companies

UK Office
 Oxford Street West,
 Ashton-Under-Lyne,
 Lancashire. OL7 0NA. UK

Sales: +44 (0) 161 830 6698
 Technical: +44 (0) 161 830 6697
 Fax: +44 (0) 161 830 6648
 E-mail: sales@ehawke.com

Images are for illustration purposes only.

Product supplied may differ slightly from that shown.

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details		Max Length	Hexagon Dimensions		
			Outer Sheath			Across Flats		Across Corners
	Metric	NPT	Min.	Max.		Backnut	Entry	
Os	M16 M20	1/2"	3.5	8.0	23.2	16.0	20.0 24.0	22.0 26.5
O	M20	1/2"	6.5	12.0	27.7	22.0	24.0	26.5
A	M20	1/2"	9.0	16.0	27.3	24.0	24.0	26.5
B	M25	3/4"	12.0	20.0	30.6	30.0	30.0	33.0
C	M32	1"	16.0	26.0	33.6	36.0	36.0	39.8
C2	M40	1 1/4"	23.0	33.0	39.5	46.0	46.0	51.0
D	M50	1 1/2"	31.0	41.0	44.3	55.0	55.0	62.5
E	M63	2"	36.0	51.0	51.8	65.0	67.0	74.5
F	M75	2 1/2"	51.0	64.0	56.6	80.0	80.0	91.0

IMPORTANT NOTE:

When used in Increased Safety applications, these cable glands may be used with braided cables where the braid and the outer sheath pass into the enclosure. The braid must then be suitably terminated within the enclosure. Braided cable is classed as unarmoured cable in the EN/IEC 60079 series standards for Exe applications.

SCHEDULE OF LIMITATIONS - ATEX / IECEx:

- The cable glands are only suitable for use with fixed apparatus, the cable for which must be effectively clamped and cleated elsewhere.
- This cable gland has an operating temperature range of -60°C to +80°C.
- A seal must be formed between the equipment and the cable gland to maintain the appropriate degree of protection against ingress of dust, solid objects and water.

TORQUE VALUES

All torque values below were generated on metallic mandrels. For cable, it is recommended that the assembly instructions are followed.

Torque Figures									
Gland Size	Os	O	A	B	C2	C	D	E	F
Backnut Torque	5	10	15	20	25	30	35	40	40

NOTES

- The cable used must have extruded sealing (solid polymeric) completely surrounding the "core" (insulation and conductor), allowing for no holes or ventilation through the inner jacket or along the cores.
- For Exe applications, a sealing washer or thread sealant may be required between the enclosure and the gland to maintain the IP rating of the enclosure.
- When used with unarmoured or braided cables the glands are only suitable for use with fixed apparatus and the cable must be effectively clamped and cleated elsewhere.
- This cable gland may only be installed when temperature is above -5°C. After completion of the installation, the assembly is then suitable for -60°C to +80°C.

EU Declaration of Conformity in accordance with European Directive 2014/34/EU and UK Statutory Instrument 2016/1107

Manufacturer: Hawke International, Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom
Equipment: 501/321 Cable Gland
Provisions of the Directive fulfilled by the Equipment: Group II Category 2GD Ex eb IIC Gb, Ex tb IIIC Db – IP66/67/68
Harmonized Standards used: EN 60079-0:2018, EN60079-7:2015+A1:2018, EN60079-31:2014

Notified Body for EU-Type Examination: CESI S.p.A. Milan, Italy
EU-type Examination Certificate: CESI 19 ATEX038X
Notified Body for production: 0598

Approved Body for UK-Type Examination: CML 2503 Chester UK
UK-type Examination Certificate: CML21UKEX3824X
Approved Body for production: 1180

On behalf of the above named company, I declare that on the date the equipment, accompanied by this declaration, is placed on the market the equipment conforms with all technical and regulatory requirements of the above listed directives.



Andrew Reid
Technical Manager