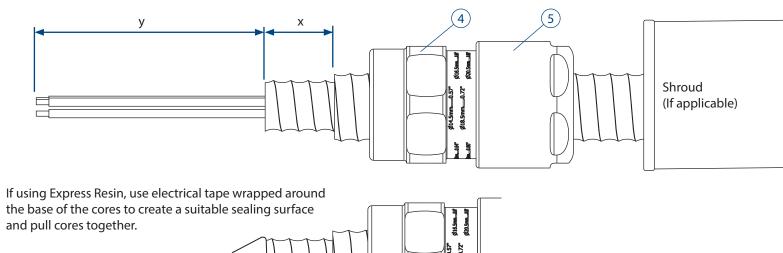


B: Cable Preparation

Strip cable to expose metal clad sheath. Strip length to suit equipment. Slide shroud (if applicable), backnut ⑤ and middlenut ⑥ onto cable. For preparation of Drain Wires see separate Al 2028.

Strip Lengths									
Dim	Gland Size								
Diiii	A,B C, C2 D, E		D, E	F					
Х	0.70"	0.83"	1.24″	1.34"					
у	To suit equipment								





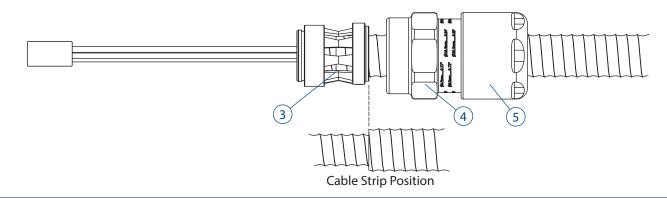


C: Installing Cable Gland

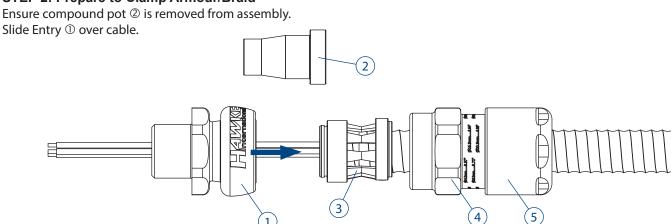
STEP 1: Fit Diablo

Apply electrical tape to core ends to prevent damage to rubber resin dam.

Slide diablo ③ onto cable. Ensure that diablo ③ is positioned over the exposed metal clad sheath, with the rear end of the diablo at the point where the cable is stripped as shown below. Remove tape.

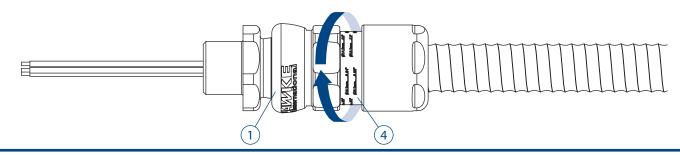


STEP 2: Prepare to Clamp Armour/Braid



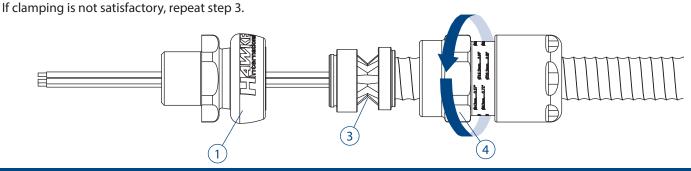
STEP 3: Engage Diablo

Ensuring that the diablo stays in place, tighten the middlenut 4 onto the entry 1 with a wrench until the diablo grips the metal clad sheath. Tighten the middlenut 4 a further half turn with a wrench.



STEP 4: Inspect Armour/Braid

Unscrew the middle nut ${} \textcircled{4}$ and visually inspect that the diablo ${} \textcircled{3}$ has adequately clamped the metal clad sheath.



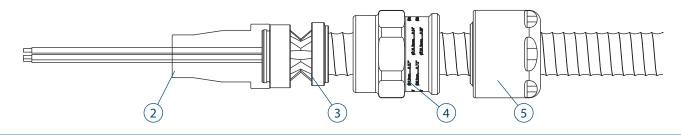
Images for illustration purposes only.

Al 2025 - Issue I / Page 2 of 4 Product supplied may differ from that shown.

5₁ 10₁ 15₁ 20₁ 25₁ 30₁ 35₁ 40₁ 45

STEP 5: Fit Compound Pot

Fit the pot ② and check that the resin barrier is sealing on the taped cores.



STEP 6: Pot gland with compound

Gland assembly is now ready for compound. Refer to the correct instructions depending on compound type. These instructions are supplied with the compound.

HAWKESEAL

2-Part Epoxy Putty See AI 2034

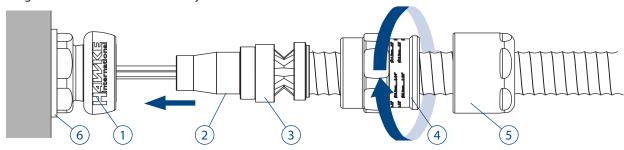


2-Part Pouring Epoxy Resin See AI 2035

STEP 7: Fit to Enclosure

Now potting the gland is complete, use a wrench to fit entry 1 into enclosure. If required, use the appropriate IP washer 6. Slide cable through entry 1 until pot 2 is seated in the entry.

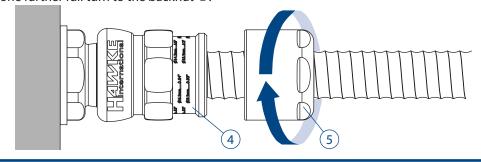
Hand tighten the middlenut @ to entry and add 1/5 - 1/4 turn with a wrench.



STEP 8: Install Backnut

Hand tighten the backnut ⑤ until a seal is formed around the cable.

Use a wrench/spanner to grip the middlenut ④. While preventing the middlenut ④ turning, use a second wrench to apply one further full turn to the backnut ⑤.

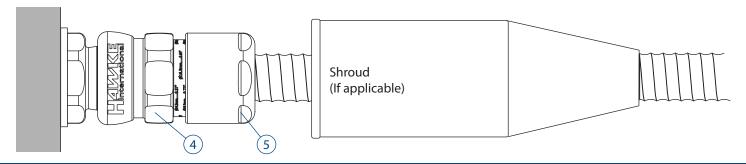


STEP 9: Inspect Backnut

Use the middlenut ⑤ guide as an indication that the backnut ⑥ is in the correct position to suit cable diameter.

A diameter scale below is provided to assist this process.

Slide shroud over cable gland if applicable.



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Product supplied may differ from that shown.

50, 55, 60, 65, 70, 75, 80, Diameter Scale (mm)

Technical Information

711



TECHNICAL DATA

Cable Gland Type: 711

Equipment Type: American Series Barrier Cable Glands **Ingress Protection:** IP66, IP67, IP68*, IP69, Type 4X

*30m for 7 days to EN60529 with thread sealant;

10m for 24hrs no thread sealant; A-C sizes only

Operating Temp: -50°C to +80°C (UL)

-60°C to +80°C (ATEX/IECEx)

INSTALLATION NOTES

- 1. All cable glands must be installed by a suitably trained and competent individual.
- 2. Entry threads are in accordance with Metric BS3643 or ANSI/ASME B1.20.1
- 3. Installer must check material compatability with enclosure and environment
- 4. To maintain IP66/IP67/IP69, Hawke certified sealing washer or other approved sealing method must be used.
- 5. Sealing face surface must be smooth and free from damage
- 6. Wall thicknesses depended on thread length or retention type (locknut etc). Exd must maintain the requirements of IEC/EN 60079-1
- 7. All entries must be installed perpendicular to the mounting surface.

TORQUE VALUES

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

Torque Figures N/m									
Gland Size	Os	0	Α	В	C	C2	D	Е	F
Middlenut Torque	6	6	8	8	10	15	15	28	35
Backnut Torque	12	12	20	30	35	45	56	60	75

ACCESSORIES

Hawke offer the following accessories to enable correct ingress protection and grounding of cable gland.

Shroud: For additional corrosion protection
Locknut: To secure gland into position
Sealing Washer: For additional ingress protection
Earth Tag: For external bonding point

Serrated Washer: To prevent vibration loosening locknuts

SPECIFIC CONDITIONS OF USE

- 1. When the gland is used for increased safety, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.
- 2. Compound cross section must be minimum 20% of total area over a depth of 20mm.

CERTIFICATION DETAILS

UL: Class I, Zone 1, AEx d IIC, Ex db IIC Gb, AEx e IIC, Ex eb IIC Gb; Zone 21, AEx tb IIIC, Ex tb IIIC Db Class I Div 1 ABCD, Class II Div 1EFG & Class III UL listed for use with ITC-HL, MC-HL, MC, TECK90, RA90 Listing No. E84940

ATEX/IECEx:

Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex tb IIIC Db

ATex: CML18ATEX1268X UKEX: CML21UKEX1132X
IECx: CML 18.0131X

Additional Approvals

EAC: No EA3C RU C-GB.HA91.B.00264/21 Inmetro: IEx 14.0272X

PESO: P450038

CABLE GLAND SELECTION TABLE											
Size Ref.	Entry Thread Size		Cable Acceptance Details								
			Metal Clad Sheath		C	ores	Outer Sheath		Max	Hexagon Dimensions	
	Metric	NPT	Min. Dia	Max. Dia	Max. Over Cores	Max. No. of Cores	Min.	Max.	Length	Across Flats	Across Corners
Α	M20	1/2" - 3/4"	0.41"	0.64"	0.43"	15	0.49"	0.81"	2.94"	1.18"	1.28″
В	M25	3⁄4" - 1"	0.55"	0.93"	0.63"	30	0.67"	1.02"	3.24"	1.42"	1.56"
C	M32	1" - 1¼"	0.85"	1.23″	0.86"	42	0.87"	1.30"	3.52"	1.81″	1.99"
C2	M40	11⁄4" - 11⁄2"	1.17"	1.59"	1.05"	60	1.10"	1.61″	3.81"	2.17"	2.39"
D	M50	2"	1.37"	1.96″	1.48"	80	1.42"	2.07"	4.77"	2.56"	2.79"
Е	M63	2½"	1.81"	2.55"	1.93"	100	1.81"	2.57"	4.74"	3.15"	3.46"
F	M75	3"	2.37"	2.98″	2.35"	120	2.24"	3.07"	4.94"	3.74″	4.09"

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: 711

Provisions of the Directive fulfilled by the Equipment: Group II Category 2GD Ex db eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db – IP66 67 68 69 Harmonized Standards used: EN 60079-0:2018, EN60079-1:2014, EN60079-7:2015+A1:2018, EN60079-15:2019, EN60079-31:2014

Notified Body for EU-Type Examination: CML B.V. 2776 Amsterdam, NLD EU-type Examination Certificate: CML18ATEX1268X, CML19ATEX4507X (Ex nR) Notified Body for production: 0598

Approved Body for UK-Type Examination: CML B.V. 2503 Chester, UK
UK-type Examination Certificate: CML21UKEX1132X, CML21UKEX4133X (Ex nR)
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.



Registered No. 669157 in England. Registered Office:

Cannon Place, 78 Cannon Street, London EC4N 6AF.