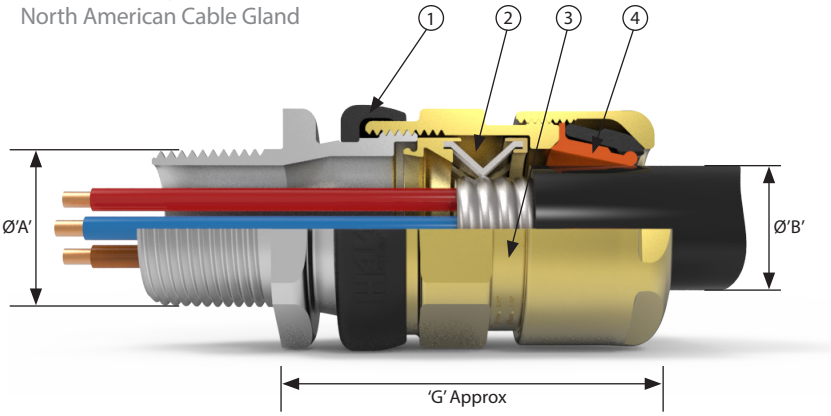
MADE IN BRITAIN

International Approvals

701

Increased Safety Exe for Zones
North American Cable Gland



- **1** Inspectable Deluge Seal
  - Offering IP66, IP67, IP68 & IP69 Ingress Protection
- **2** Fully inspectable 360° grounding device which remains in contact with the cable when disassembled for inspection.
- **3** Patented Cable Gland Tightening Guide
  - Helps prevent damage caused by over tightening
- **4** Unique Rear Seal - Offering ultimate sealing over an extremely wide cable acceptance range.

The NEC Compliant 701 gland certified Exe for zones is suitable for use with continuous corrugated Aluminum Metal Clad cable. Features a fully inspectable 360deg grounding device which remains in contact with the cable when disassembled for inspection.

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details				'G'	Hexagon Dimensions	
	Metric	NPT* Standard	Armour Jacket 'E'		Outer Jacket 'B'			Across Flats	Across Corners
			Min	Max	Min	Max			
A	M20	½" or ¾"	0.41"	0.64"	0.49"	0.81"	2.5"	1.18"	1.28"
B	M25	¾" or 1"	0.55"	0.93"	0.67"	1.02"	2.59"	1.42"	1.56"
C	M32	1" or 1¼"	0.85"	1.23"	0.87"	1.30"	2.93"	1.81"	1.99"
C2	M40	1¼" or 1½"	1.17"	1.59"	1.10"	1.61"	3.03"	2.17"	2.39"
D	M50	2" or 1½"	1.37"	1.96"	1.42"	2.07"	3.90"	2.56"	2.79"
E	M63	2½" or 2"	1.81"	2.55"	1.81"	2.57"	3.66"	3.15"	3.46"
F	M75	3" or 2½"	2.37"	2.98"	2.24"	3.07"	3.93"	3.74"	4.09"

Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.
Oversize glands are available for Wet Locations. Please contact Hawke for more details.

Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67, IP68*, IP69 to IEC/EN 60529 and Type 4X *30m for 7 days with thread sealant (special conditions apply) 10m for 24hrs no thread sealant; A-C size only
Deluge Protection	to DTS01
Enclosure Protection	IK10 to IEC 62262
Operating Temperature	-50°C to +80°C
	NEC/CEC
NEC Protection Class	Class I, Zone I, AEx e IIC Gb; Zone 21, AEx tb IIIC Db
CEC Protection Class	Ex eb IIC Gb; Ex tb IIIC Db
Cable Types	MC, MC-HL, ITC-HL, TECK90, RA90
c UL us Listing Number	E84940
Construction & Test Standards	UL2225, UL514B, CSA C22.2 NO. 18.3-12 , CSA C22.2 60079-0, CSA C22.2 60079-1, CSA 22.2 60079-7 and CSA 22.2 60079-31
Marine Approvals	ABS: 19-LD1876514-1-PDA DNV: E-14061
Additional Certifications:	SONCAP: LCOGB049552-0500

Ordering Information

Format for ordering is as follows:
If brass is required please omit material selection

Cable Gland Type	Size	Thread	Material
701	C	1.0	NE
701	C	1.0	NP

Order Example: 701C1.0NE

Please note all NPT entries should be state as a decimal
Please refer to part code logic information page for further details on product options

Cable Gland **Tightening Guide**

Whilst Hawke International goes to great lengths to ensure products are designed to be as simple to install, inspect and maintain as is possible, differing levels of competency, training and understanding can lead to glands being incorrectly installed. With hazardous area products, any poor installation issues can not only lead to expensive equipment failure, but also potential explosion risks and associated risk to life.

To help address issues with the overtightening of cable glands and the resultant damage to cables and seals, Hawke International has developed the patented **INBUILT TIGHTENING GUIDE**.

Without the need for fiddly measuring systems, the guide provides a permanent visual indication of the gland tightness through installation, inspection and maintenance.

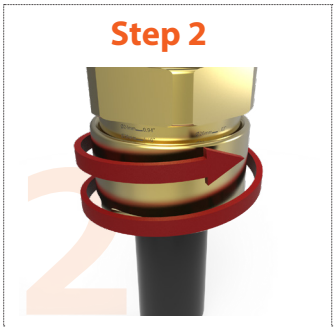
How it works

The gland is permanently marked with various lines/numbers indicating the correct tightening level related to the cable diameter. Following the relevant cable gland Installation Instructions, the back seal should be tightened until a seal is formed on the cable outer sheath and then tightened one further turn.

Step 1

Follow cable gland installation instructions until final stage – tightening of rear seal

Step 2



Tighten backnut until a seal is formed onto the cable, then tighten one further turn

Step 3

The backnut should be level with the marking guide corresponding to its diameter – this can be visually inspected and adjusted as necessary

Note: The cable gland installation instructions have a printed cable OD measure for if the cable OD is not known