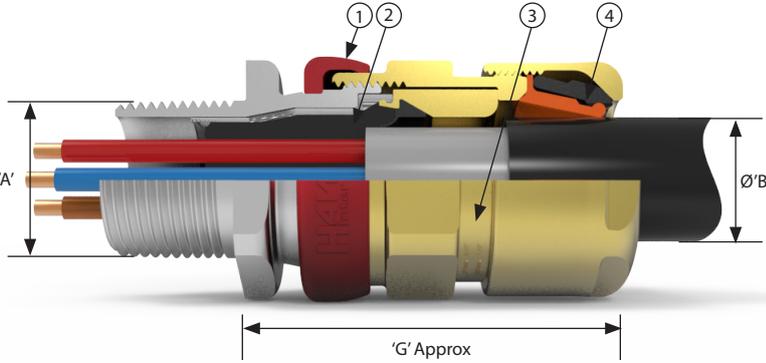




# 710

North American Explosion proof  
IECEx, ATEX and UKEX Approved Flameproof, Increased Safety  
Dual Marked UL & ATEX/IECEx/UKEX as standard



- 1 Inspectable Deluge Seal  
- Offering IP66, IP67, IP68 & IP69 Ingress Protection
- 2 Transparent Elastomeric Fully Inspectable Compound Pot – compatible with both injectable resin and 2 part compound
- 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 710 dual certified Exe/Exd cable gland is suitable for use with the following cable types: TC, TC-ER, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, Type P. The gland provides a barrier seal around the individual cores within the cable and prevents entry of the products of an explosion into the cable. The gland features the worlds only NEC compliant transparent elastomeric fully inspectable compound chamber.

## Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details					'G'	Hexagon Dimensions		
	Metric	NPT <sup>1</sup> Standard	Inner Jacket Cores 'ØA'			Outer Jacket 'ØB'			Across Flats	Across Corners	
			Max Over Cores 'D'	Min Inner Jacket 'E'	Max Inner Jacket 'E'	Max No of Cores	Min				Max
Os	M20 <sup>2</sup>	½"	0.31"	0.14"	0.32"	12	0.22"	0.47"	2.30"	0.94"	1.04"
O	M20 <sup>2</sup>	½"	0.35"	0.26"	0.46"	12	0.37"	0.63"	2.30"	0.94"	1.04"
A	M20	¾" or ½"	0.43"	0.33"	0.55"	15	0.49"	0.81"	2.39"	1.18"	1.28"
B	M25	1" or ¾"	0.63"	0.44"	0.78"	30	0.66"	1.02"	2.65"	1.42"	1.56"
C	M32	1¼" or 1"	0.86"	0.69"	1.03"	42	0.87"	1.30"	2.88"	1.81"	1.99"
C2	M40	1½" or 1¼"	1.05"	0.91"	1.27"	60	1.10"	1.61"	3.08"	2.17"	2.39"
D	M50	2" or 1 1½"	1.48"	1.14"	1.74"	80	1.42"	2.07"	3.84"	2.56"	2.79"
E	M63	2½" or 2"	1.93"	1.57"	2.20"	100	1.81"	2.57"	3.68"	3.15"	3.46"
F	M75	3" or 2½"	2.35"	1.99"	2.68"	120	2.24"	3.07"	4.11"	3.74"	4.09"

1. Os-F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread.  
2. Are available with M16 entry thread, which reduces Max Over Core Diameter to 0.275".

## 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; Os-C size only
Enclosure Protection	IK10 to IEC 62262
Deluge Protection	to DTS01
Operating Temperature	-50°C to +80°C
Applications	Suitable for use in Division 1, Division 2, Zone 1, Zone 21, Zone 2 and Zone 22

### NEC/CEC

NEC Protection Class	Class I Div 1 ABCD; Class II Div 1 EFG; Class III Class I Div 2 ABCD, Class II Div 2 FG and Class III Div 2 Class I, Zone 1, AEx d IIC; AEx e IIC; Zone 21, AEx tb IIIC
CEC Protection Class	Class I Div 1 ABCD; Class II Div 1 EFG; Class III Class I Div 2 ABCD, Class II Div 2 FG and Class III Div 2 Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Dc
Cable Types	TC, TC-ER, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, Type P
c UL us Listing Number	E84940
Construction & Test Standards	UL2225, UL514B, CSA C22.2 NO. 18.3-12, CSA 22.2 60079-0, CSA 22.2 60079-1, CSA 22.2 60079-7 and CSA 22.2 60079-31

### Approvals

Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex nR IIC Gc; Ex tb IIIC Db
ATEX Certificate No	CML 18ATEX1268X CML 19ATEX4507 (Ex nR)
IECEx Certificate No	CML 18.0131X CML 21.0012X (Ex nR)
UKEX Certificate No	CML 21UKEX1132X CML 21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15 and IEC/EN 60079-31
Marine Approvals	ABS: 19-LD1876514-1-PDA BV: 43523/B0 DNV: TAE0000BS EAC: No EA3C RU C-Gb.HA91.B.00264/21* EQM: 20-11-27224/Q20-11-000979/NB0007
Additional Certifications	Inmetro: IEx 14.0272X PESO: P450038

\* Product not marked EAC as standard. Contact Hawke International if required.

### Ordering Information

Format for ordering is as follows:

If brass is required please omit material selection

All barrier glands are supplied with Express resin as standard. If QSP (Quick Set Putty) is required please select Q in compound selection

Cable Gland Type	Size	Thread	Material	Compound
710	C	1.0	NE	
710	C	1.0	NP	Q

Assembly instructions are supplied with the cable gland

Order Example: 710C1.0NE

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

## ExPress Barrier Resin

Specify your barrier gland with our ExPress injectable resin for faster, easier installation

A liquid injectable and fast curing resin, allowing for faster installation time than traditional 2-part compounds. Utilising a unique clear compound chamber for full visibility of the flameproof seal during installation and inspection, the ExPress barrier resin is unparalleled as a global solution, with a 30 minute gel time and unrivalled ease of use.

All barrier glands are now supplied with Express Resin as standard.



## 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.



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



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



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