

NEC® COMPLIANT CABLE GLANDS

..... For Harsh & Hazardous Environments





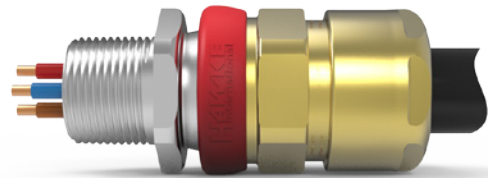
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www.ehawke.com

Meet the world's first NEC® Compliant Cable Gland range with a non-metallic, fully inspectable compound pot. With 100% visibility, you can say goodbye to glands being destroyed during inspection and hello to easier inspection and installation than ever before.

The Difference is Clear.

NEC® COMPLIANT CABLE GLANDS



To allow for inspection, traditional metallic compound pots must be cut in two. As the pots would then be beyond repair, they'd have to be disposed of and a new cable gland would be required to complete the installation. Our fully transparent compound chamber means you can visually inspect the installation resolving this issue completely, making inspection and installation easier and more cost-effective than ever before.

The NEC® Compliant range also features a patented, in-built tightening guide and is globally NEC®, ATEX and IECEx certified. For the first time ever, the range boasts Ingress Protection of IP69 as well as our standard IP66/IP67/IP68 ratings.

To find out more email
hhsales1@hubbell.com

NEC® Compliant Cable Glands

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HAWKE
International





Two Fully Inspectable Sealing Options

The NEC® Compliant cable glands are available with the choice of two, easy to use sealing options. Both utilise our clear compound chamber to give 100% visibility and offer full inspection of the seal on the installed gland:

2- Part Hand Mix Compound - Offering a cure time from 30 minutes, this option is most useful when termination space is limited or when cables run horizontally.

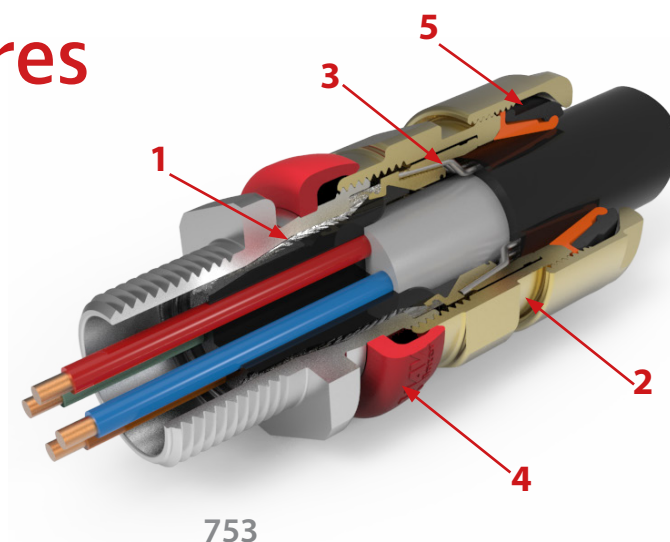
Express Barrier Resin – A unique innovation from Hawke International, this fast curing resin is injectable to offer fast, accurate, installation.



Hawke ExPress Barrier Resin



Features



■ 1 The World's Only Non-Metallic, Fully Inspectable Flameproof Barrier Seal

The barrier seal can be made using either a QSP quick setting 2-part hand-mixed putty, or a liquid injectable and fast curing resin, allowing for faster installation time than traditional 2-part compounds. The transparent compound chamber allows full visibility of the flameproof seal during installation and inspection making the ExPress barrier resin unparalleled as a global solution.

■ 2 Cable Tightening Guide

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. The gland is permanently marked with various lines/numbers indicating the correct tightening level related to the cable diameter. The backnut, once tightened to the line corresponding to the cable diameter, ensures there is no cable damage whilst still maintaining IP and pull-out.

■ 3 The Original Reversible Armour Clamp

The original RAC clamping system was invented by Hawke over 10 years ago and is a well established proven performer in all conditions. Simply by reversing the clamping ring, the cable gland can adjust to accommodate all types of cable armour or braid. Unlike many of our competitors, the correct stamping orientation is marked clearly with the armour size and backed up by the presence of a groove in the component. Hawke's RAC clamping system is also fully inspectable when positioned on the cable.

■ 4 Inspectable Deluge Seal

Hawke's Inspectable deluge seal offers IP66 and IP67 sealing and is certified as 'deluge proof' by ITS in accordance with DTS01. Indeed, Hawke's deluge seal is so good that it exceeds the expectations of the offshore industry by not only preventing ingress into the equipment, but also into the cable gland, which prevents corrosion of the cable armour.

■ 5 Unique Rear Sealing System

This arrangement offers IP66, IP67, IP68 (30 metres for 7 days), NEMA 4X and Deluge (DTS01) Ingress Protection. The seal is manufactured from a silicone material, has LSFZH properties, is ozone and oil resistant and is suitable for use at both high and low temperatures. The Rear Sealing System covers the entire range of cable diameters with out the need for special seals and the cable acceptance range is stamped on the backnut for ease of inspection. The backnut can be hand tightened, with only one further spanner turn required to ensure IP66, IP67, IP68 and NEMA 4X.

The First Globally Certified, Fully Inspectable, Elastomeric Compound Pot

Why a silicone compound pot?

At Hawke, we prioritise complete inspectability of all seals and explosion protection features within our products. The search for inspectability pushed us toward the unique transparent silicone compound pot in which the compound is visible both as it is being installed and once installation is complete.

How does it work?

A traditional metallic compound pot uses a flamepath to dissipate the energy of an ignition. The flamepath is a tightly controlled clearance between the pot and the gland housing. If this clearance is too large there is a risk of ignition. If this clearance is too small the pot won't fit into the gland. Any scratches or damage renders the gland useless. Our silicone pot works by being compressed when installed so the flamepath gap is always zero.

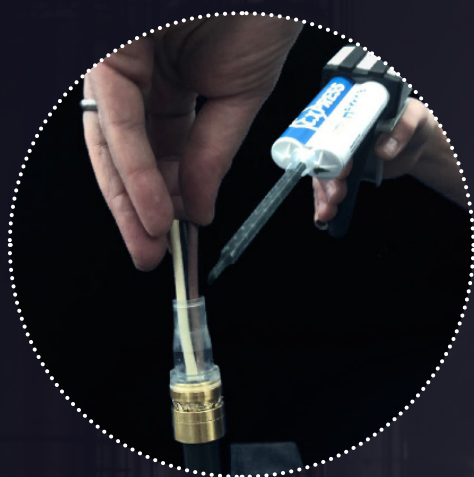
How was the silicone compound pot tested and certified?

The compound pot and resin have been certified in accordance with ATEX/IECEx 60079 and UL2225. They have been through rigorous testing processes including and not limited to; chemical exposure, hydrostatic pressure, thermal ageing and explosion testing.

What are the benefits of the silicone compound pot over a brass compound pot?

- When terminating the barrier gland the resin is visible to the installer, so the process is much more controlled and visible. Any issues such as voids or underfilling can be immediately addressed before the compound cures.
- The resin is visible through the compound pot and as such can be inspected without the product being destroyed. Traditional metallic compound pots must be cut off to inspect, discarded and then remade with a new gland.
- If the flamepath surface of a metallic pot is damaged, the whole assembly must be cut off the cable and replaced. If damage occurs to the silicone compound pot, it can be replaced.

The Difference is Clear



100% visibility.

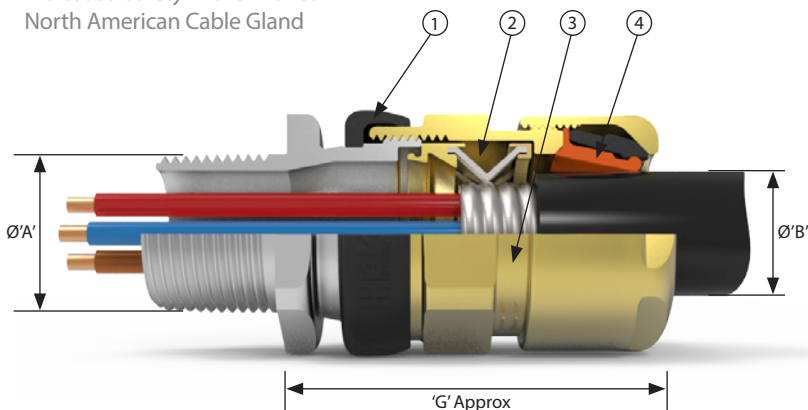
Inspect installed glands
with zero destruction.





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 (MC-HL; MC) cable. Features a fully inspectable 360° 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

Ingress Protection	IP66, IP67, IP68* (30 metres for 7 days; special conditions may apply), IP69 to IEC/EN 60529 and NEMA 4X
Deluge Protection	to DTS01
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
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

Ordering Information

Format for ordering is as follows:

Cable Gland Type	Size	Thread	Material
701	C	1" NPT	Brass

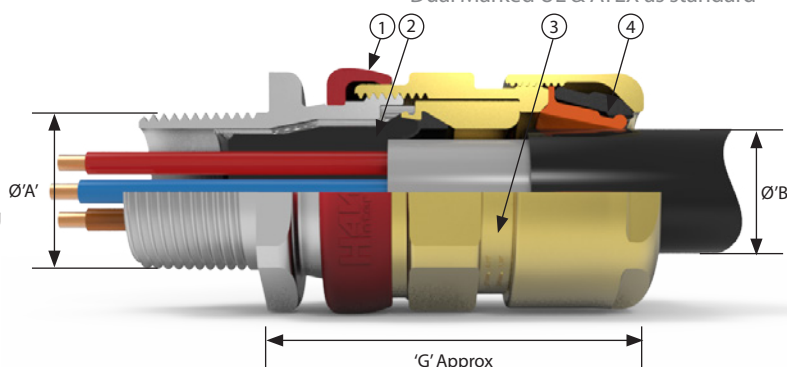
Order Example: 701 C 1" NPT Brass

710

North American

Explosion proof, IECEx and ATEX Approved Flameproof Exd, Increased Safety Exe
Dual Marked UL & ATEX 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.



International Approvals

The NEC® Compliant 710 dual certified Exe/Exd cable gland is suitable for use with the following cable types: TC-ER-HL, TC-ER, PLTC, PLTC-ER, ITC, ITC-HL & ITC-ER (see technical data for more information). 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 ¹ 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	½"	0.31"	0.14"	0.32"	12	0.22"	0.47"	2.30"	0.94"	1.04"
O	M20	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"	1.48"	1.14"	1.74"	80	1.42"	2.07"	3.84"	2.56"	2.79"
E	M63	2½"	1.93"	1.57"	2.20"	100	1.81"	2.57"	3.68"	3.15"	3.46"
F	M75	3"	2.35"	1.99"	2.68"	120	2.24"	3.07"	4.11"	3.74"	4.09"

Os-F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

Technical Data

Ingress Protection	IP66, IP67, IP68* (30 metres for 7 days; special conditions may apply), IP69 to IEC/EN 60529 and NEMA 4X
Deluge Protection	to DTS01
Operating Temperature	-50°C to +80°C

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-ER-HL, ITC-HL, TC, TC-ER, PLTC, PLTC-ER, ITC, ITC-ER
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

ATEX/IECEx

ATEX/IECEx Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db
ATEX Certificate No	CML 18ATEX1268X
IECEx Certificate No	CML 18.0131X
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31
Additional Certifications	EAC: TC RU C-GB HA91 B 0046 19 Inmetro: IEx 14.0272X PESO: P450038

Ordering Information

Format for ordering is as follows:

Cable Gland Type	Size	Thread	Material
710	C	M32	Stainless Steel
710	C	1" NPT	Brass

Order Example: 710 C M32 Stainless Steel

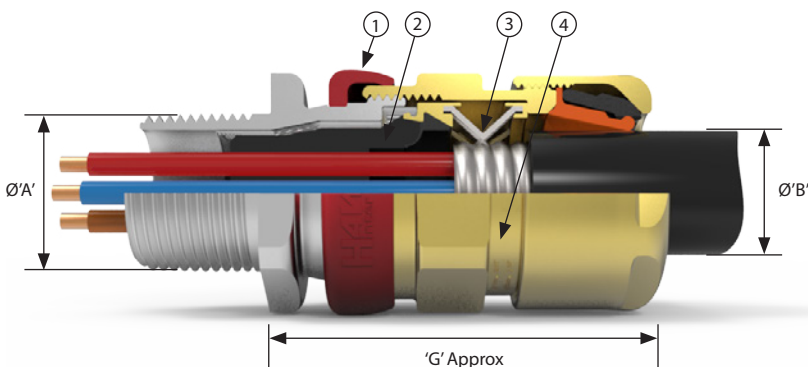


711

Explosion proof, IECEx and ATEX approved Flameproof Exd, Increased Safety Exe (Dual Marked UL & ATEX as standard)



International Approvals



- 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 Fully inspectable 360° grounding device which remains in contact with the cable when disassembled for inspection.
- 4 Patented Cable Gland Tightening Guide - Helps prevent damage caused by over tightening
- 5 Unique Rear Seal - Offering ultimate sealing over an extremely wide cable acceptance range.

The NEC® Compliant 711 dual certified Exe/Exd gland is suitable for use with continuous corrugated Aluminum Metal Clad (MC-HL) cable and 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* Standard	Inner Jacket/Cores 'ØA'			Outer Jacket 'ØB'				Across Flats	Across Corners
			Max Over Cores	Armour Jacket		Max No of Cores	Min	Max			
				Min	Max						
A	M20	¾" or ½"	0.43"	0.41"	0.64"	15	0.49"	0.81"	2.5"	1.18"	1.28"
B	M25	1" or ¾"	0.63"	0.55"	0.93"	30	0.67"	1.02"	2.59"	1.42"	1.56"
C	M32	1¼" or 1"	0.86"	0.85"	1.23"	42	0.87"	1.30"	2.93"	1.81"	1.99"
C2	M40	1½" or 1¼"	1.05"	1.17"	1.59"	60	1.10"	1.61"	3.03"	2.17"	2.39"
D	M50	2"	1.48"	1.37"	1.96"	80	1.42"	2.07"	3.9"	2.56"	2.79"
E	M63	2½"	1.93"	1.81"	2.55"	100	1.81"	2.57"	3.66"	3.15"	3.46"
F	M75	3"	2.35"	2.37"	2.98"	120	2.24"	3.07"	3.93"	3.74"	4.09"

A - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

Technical Data

Ingress Protection	IP66, IP67, IP68* (30 metres for 7 days; special conditions may apply), IP69 to IEC/EN 60529 and NEMA 4X
Deluge Protection	to DTS01
Operating Temperature	-50°C to +80°C

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 Db
Cable Types	ITC-HL, MC, MC-HL
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

ATEX/IECEx

ATEX/IECEx Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db
ATEX Certificate No	CML 18ATEX1268X
IECEx Certificate No	CML 18.0131X
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31
Additional Certifications	EAC: TC RU C-GB HA91 B 0046 19 Inmetro: IEx 14.0272X PESO: P450038

Ordering Information

Format for ordering is as follows:

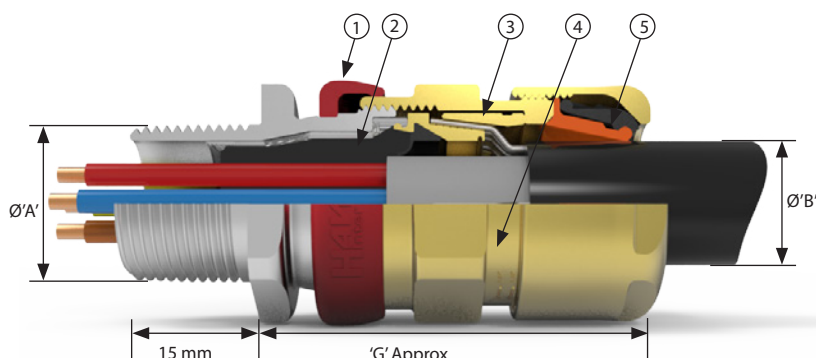
Cable Gland Type	Size	Thread	Barrier Type	Material
711	C	1" NPT	- (Standard 2-part compound)	Nickel Plated
711	C	1" NPT	EP (Express Resin)	Stainless Steel

Two part sealing compound and assembly instructions are supplied with the cable gland

Order Example: 711 C 1"NPT EP Stainless Steel

153 XNorth American
General Purpose

- 1 Elastomeric seal on cable inner sheath
- 2 Fully Inspectable Armour Clamp
- 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.



International Approvals

The 153/X Cable Gland is general purpose cable gland for use with wire braid, steel wire armour, elastomer and plastic insulated cables. The gland provides an elastomeric seal on the cable inner sheath, and a low smoke, zero halogen IP and retention seal onto the cable outer sheath.

Cable Gland Selection Table

Size Ref.	Entry Thread Size ^A		Cable Acceptance Details								'G'	Hexagon Dims	
	Metric	NPT* Standard or Option	Standard Seal		Alternative Seal (S)		Outer Jacket 'B'		Armour / Braid 'C'			Across Flats	Across Corner
			Min	Max	Min	Max	Min	Max	Orientation 1	Orientation 2			
Os	M202	½"	0.13"	0.31"	-	-	0.22"	0.47"	0.0315"/0.0492"	0°/0.0315"	2.05"	0.94"	1.04"
O	M202	½"	0.26"	0.47"	-	-	0.41"	0.63"	0.0315"/0.0492"	0°/0.0315"	2.05"	0.94"	1.04"
A	M20	¾" or ½"	0.39"	0.58"	0.35"	0.53"	0.50"	0.81"	0.0315"/0.0492"	0°/0.0315"	2.09"	1.18"	1.28"
B	M25	1" or ¾"	0.51"	0.79"	0.37"	0.61"	0.67"	1.02"	0.0492"/0.063"	0°/0.0276"	2.34"	1.42"	1.56"
C	M32	1¼" or 1"	0.77"	1.04"	0.61"	0.83"	0.98"	1.30"	0.063"/0.0787"	0°/0.0276"	2.52"	1.81"	1.99"
C2	M40	1½" or 1¼"	0.98"	1.28"	0.87"	1.10"	1.30"	1.61"	0.063"/0.0787"	0°/0.0276"	2.69"	2.17"	2.39"
D	M50	2" or 1½"	1.24"	1.75"/1.66" ⁿ¹	1.08"	1.37"	1.56"	2.07"	0.0709"/0.0984"	0°/0.0394"	3.11"	2.56"	2.79"
E	M63	2½" or 2"	1.67"	2.22"/2.14" ⁿ¹	1.54"	1.83"	2.05"	2.57"	0.0709"/0.0984"	0°/0.0394"	3.09"	3.15"	3.46"
F	M75	3" or 2½"	2.15"	2.69"/2.57" ⁿ¹	1.95"	2.3"	2.52"	3.07"	0.0709"/0.0984"	0°/0.0394"	3.30"	3.74"	4.09"
H	M90	3" or 3½"	2.64"	3.06"	-	-	2.96"	3.52"	0.0787"/0.1378"	0°/0.0394"	3.76"	4.53"	5.12"

Os-F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

For H size glands, a 2mm pitch is supplied as standard, 20mm length of thread (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering

¹ Smaller value is applicable when selecting reduced NPT entry option.

² Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable inner jacket diameter is 0.43"

Technical Data

Area Classification	UL listed for use Wet Locations
UL Listing	E218332
Construction & Test Standards	UL 514B
Ingress Protection	IP66, IP67, IP68 (30 metres for 7 days) to IEC/EN 60529 and NEMA 4X
Deluge Protection	DTS01
Operating Temperature	-50°C to +60°C

Alternative Reversible Armour Clamping Ring Size Selection

Size Ref	Orientation 1	Orientation 2
B	0.0354" - 0.0492"	0.0197" - 0.0354"
C	0.0472" - 0.063"	0.0236" - 0.0472"
C2	0.0472" - 0.063"	0.0236" - 0.0472"
D	0.0571" - 0.0709"	0.0394" - 0.0571"
E	0.0571" - 0.0709"	0.0394" - 0.0571"
F	0.0571" - 0.0709"	0.0394" - 0.0571"

Ordering Information

Format for ordering is as follows:

Cable Gland Type	Size	Thread	Material
153/X	C	1" NPT	S

Order Example: 153/X C M32 S

Product design and specifications are subject to change without notice. Please check the Hawke website for latest specifications.

www.ehawke.com

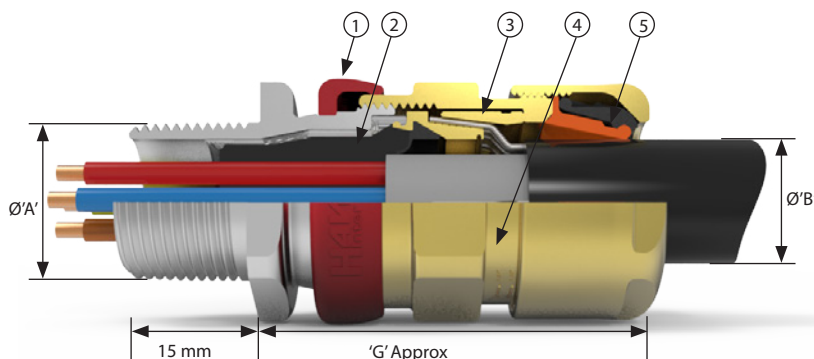


753

North American
Explosion proof, IECEx and ATEX Approved Flameproof Exd, Increased Safety Exe
(Dual Marked UL & ATEX as standard)



International Approvals



The NEC® Compliant 753 dual certified Exe/Exd gland is now suitable for use with single wire armour 'W', wire braid 'X', steel tape armour 'Z' and provides a barrier seal to 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. The 753 is available with either ExPress liquid barrier resin or QSP 2-part hand mix compound, both with a cure time of 30 minutes.

- 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 Reversible Armour Clamp
- For all types of armour and braid.
- 4 Patented Cable Gland Tightening Guide
- Helps prevent damage caused by over tightening
- 5 Unique Rear Seal - Offering ultimate sealing over an extremely wide cable acceptance range.

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Cable Acceptance Details							'G'	Hexagon Dimensions	
	Metric	NPT* Standard	Inner Jacket Cores 'ØA'			Outer Jacket 'ØB'		Armour / Braid 'ØC'			Across Flats	Across Corners
			Max Over Cores	Max Inner Jacket	Max No Cores	Min	Max	Orientation 1	Orientation 2			
Os	M20	½"	0.31"	0.32"	12	0.22"	0.47"	0.0315"/0.0492"	0"/0.0315"	2.3"	0.94"	1.04"
O	M20	½"	0.35"	0.46"	12	0.37"	0.63"	0.0315"/0.0492"	0"/0.0315"	2.3"	0.94"	1.04"
A	M20	¾" or ½"	0.43"	0.55"	15	0.49"	0.81"	0.0315"/0.0492"	0"/0.0315"	2.39"	1.18"	1.28"
B	M25	1" or ¾"	0.63"	0.78"	30	0.67"	1.02"	0.0492"/0.063"	0"/0.0276"	2.65"	1.42"	1.56"
C	M32	1¼" or 1"	0.86"	1.03"	42	0.87"	1.30"	0.063"/0.0787"	0"/0.0276"	2.88"	1.81"	1.99"
C2	M40	1½" or 1¼"	1.05"	1.27"	60	1.10"	1.61"	0.063"/0.0787"	0"/0.0276"	3.08"	2.17"	2.39"
D	M50	2"	1.48"	1.74"	80	1.42"	2.07"	0.0709"/0.0984"	0"/0.0394"	3.84"	2.56"	2.79"
E	M63	2½"	1.93"	2.20"	100	1.81"	2.57"	0.0709"/0.0984"	0"/0.0394"	3.68"	3.15"	3.46"
F	M75	3"	2.35"	2.68"	120	2.24"	3.07"	0.0709"/0.0984"	0"/0.0394"	4.11"	3.74"	4.09"
Os-F size metric entry threads are 1.5mm pitch as standard. 15mm length of thread. Oversize glands are available. Please contact Hawke for more details												

Os-F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. Oversize glands are available. Please contact Hawke for more details

Technical Data

Ingress Protection	IP66, IP67, IP68* (30 metres for 7 days; special conditions may apply), IP69 to IEC/EN 60529 and NEMA 4X
Deluge Protection	to DTS01
Operating Temperature	-50°C to +80°C
NEC/CEC	
NEC Protection Class	Class I Div 1 ABCD, Class II Div 1 EFG and Class III Class I Div 2 ABCD, Class II Div 2 FG and Class III Div 2 Class I, Zone I, AEx d IIC; AEx e IIC; Zone 21, AEx tb IIC
CEC Protection Class	Class I Div 1 ABCD, Class II Div 1 EFG and 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 IIC Db
Cable Types	ITC, PLT
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
ATEX/IECEx	
ATEX/IECEx Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIC Db
ATEX Certificate No	CML 18ATEX1268X
IECEx Certificate No	CML 18.0131X
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31
Additional Certifications	EAC: TC RU C-GB HA91 B 0046 19 Inmetro: IEx 14.0272X PESO: P450038

Alternative Reversible Armour Clamping Ring Size Selection		
Size Ref	Orientation 1	Orientation 2
B	0.0354" - 0.0492"	0.0197" - 0.0354"
C	0.0472" - 0.063"	0.0236" - 0.0472"
C2	0.0472" - 0.063"	0.0236" - 0.0472"
D	0.0571" - 0.0709"	0.0394" - 0.0571"
E	0.0571" - 0.0709"	0.0394" - 0.0571"
F	0.0571" - 0.0709"	0.0394" - 0.0571"

Ordering Information			
Format for ordering is as follows: Alternative Clamping Ring (AR), add suffix AR to ordering information			
Cable Gland Type	Size	Thread	Material
753	C	M32	Brass
753	C	1" NPT	Stainless Steel

Example Code: 753 C M32 EP Stainless Steel

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

GLAND SPANNERS

For Hawke Cable Glands



Type 1
see table



Type 2
see table



The Hawke range of Gland Spanners have been designed for use with Hawke's market-leading range of harsh and hazardous area, industrial, mining and explosive area Cable Glands.

Our Gland spanners have been engineered to minimise the accidental injury caused by slippage, as is commonly found with adjustable spanners or wrenches.

Individually sized for use with the full range of Hawke cable glands.

Gland Spanner Selection Table								
Material	Mild steel zinc plated							
Type	1		1		2	2	2	2
Dimension	O	A	B	C	C2	D	E	F
A/F (X)	24	30	36	46	55	65	80	95
Thickness	4		4		6	6	6	6
Head Size (Y)	46	56	70	90	110	120	150	170
Overall Length (Z)	302.5		370.5		496.5	435.5	486.5	423.5



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