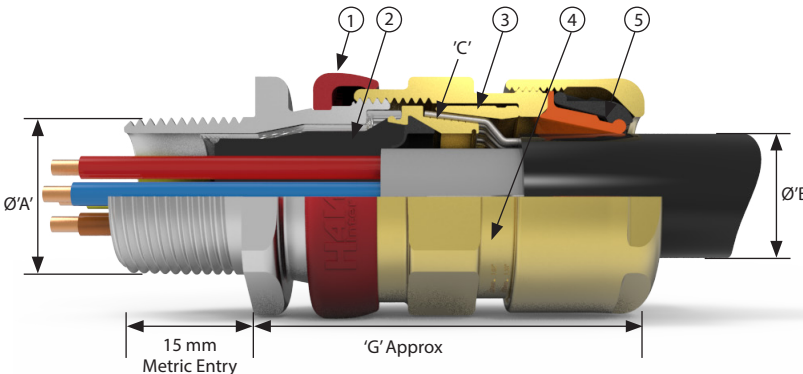




753

North American Explosion proof
IECEX, ATEX and UKEX Approved Flameproof, Increased Safety and Dust Protection
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 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

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.

Cable Gland Selection Table

Size Ref.	Entry Thread Size		Cable Acceptance Details							'G'	Hexagon Dimensions	
	Metric	NPT	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 ²	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 ²	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	1½" 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" or 1½"	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" or 2"	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" or 2½"	2.35"	2.68"	120	2.24"	3.07"	0.0709"/0.0984"	0"/0.0394"	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".
3. Oversize glands are available. Please contact Hawke for more details

*Recommended value to suit integrated Express resin stop. May be increased to 0.39" if QSP compound or alternative Express resin stop method are used.

Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67, IP68 (30 metres for 7 days; special instructions apply), IP69 to IEC/EN 60529 and NEMA 4X
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 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 IIIC
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 IIIC 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

Other 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 62444 (Anchorage Type D), IEC/EN 60079-0, 1, 7, 15, 31
Marine Approvals	ABS: 19-LD1876514-1-PDA BV: 43523/B0 DNV: TAE0000BS
Additional Certifications	EAC: No EA3C RU C-GB.HA91.B.00264/21* EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X PESO: P450038 SONCAP: LCOGB049552-0500

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	Barrier Type	Material
753	C	1" NPT	N/A (Express Resin supplied as standard)	Nickel Plated
753	C	1" NPT	QSP (2 part putty compound)	Stainless Steel

Assembly instructions are supplied with the cable gland.

Example Code: 753 C M32 Stainless Steel

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.