

753

CE
UK
CA

Ex

EAC

IECEx

UL

LISTED

ABS

ISO

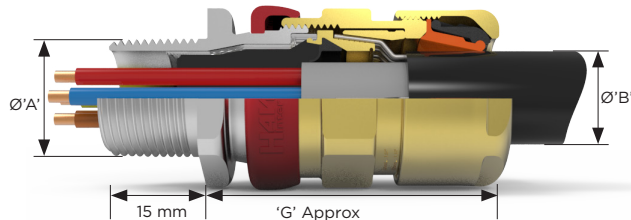
ISO

ISO

North American Explosion proof

IECEx, ATEX and UKEX Approved Flameproof, Increased Safety and Dust Protection

Dual Marked UL & ATEX/IECEx/UKEX as standard



Features

- Inspectable Deluge Seal - Offering IP66, IP67, IP68 & IP69 Ingress Protection
- Transparent Elastomeric Fully Inspectable Compound Pot - compatible with both injectable resin and 2 part compound
- Reversible Armour Clamp - For all types of armour and braid
- Patented Cable Gland Tightening Guide - Helps prevent damage caused by over tightening
- 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 of 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	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" 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.

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

If brass is required please omit material selection

Format for ordering is as follows: Alternative Ring (R), add suffix R to ordering information

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	Optional
753	C	1.0	NE	
753	C	1.0	NP	R

Example Code: 753C1.0NE

Assembly instructions are supplied with the cable gland

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

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 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	TC, TC-ER, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, Type P Marine shipboard using copper, bronze, aluminium or steel grounding braid	
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/BO DNV: TAE0000BS	
Additional Certifications	EAC: EA3C KZ 7100841.01.01.03125* EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEX 14.0272X PESO: P450038 SONCAP: LCOGB049552-0500	

*Product not marked EAC as standard. If required contact Hawke International.

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.

