HAWKE International

NEC® COMPLIANT
CABLE GLANDS

For Harsh & Hazardous Environments



HUBBELL



Cable Glands for **NEC Applications**

Engineered for North America. Trusted worldwide.

Explore the complete range of Hawke International UL Certified cable glands, including the new MC and MC2X aluminium solutions for metal clad cable. Designed to meet the demands of NEC hazardous locations, this catalogue helps you find the right gland for every cable type, application and division, backed by Hawke's reputation for quality and innovation.



Gland Selection Table

Gland Name	Gland Type	Protection Class
701	Metal Clad	Class 1 Zone 1 Exe
710	Unarmoured Tray Cable	Class 1 Division 1 Explosion proof
711	Metal Clad	Class 1 Division 1 Explosion proof
753	Armoured Tray Cable	Class 1 Division 1 Explosion proof
153/X	Armoured Tray Cable	Non-Hazardous Wet Locations
MC	Metal Clad	Class 2 Division 1
MC2X	Metal Clad	Class 1 Division 1 Explosion proof

Contact Hawke

The dedicated sales team at Hawke are always ready to help you with more information and ordering.

Contact us on **+1 (314) 531 0460**
or email **killarkservice@hubbell.com**

Contents

04 ..... 7-Series Features
07 ..... 701 Cable Gland
08 ..... 710 Cable Gland
09 ..... 711 Cable Gland
10 ..... 753 Cable Gland
12 ..... 153X Cable Gland
13 ..... MC Cable Gland
14 ..... MC2X Cable Gland
15 ..... Ordering Information

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

Barrier Seal Options

ExPRESS Resin

Fast, simple barrier sealing. Express Resin delivers a reliable, void-free seal with minimal preparation, reducing installation time and speeding up commissioning.

- **Self-mixing nozzle for consistent, correct mixing every time**
- **Void-free, low-viscosity resin flows easily around multiple conductors**
- **Fast curing with clear visual inspection and fill verification**






HAWKESEAL Compound

The original field-proven barrier compound. Reliable performance and installation flexibility in any orientation.

- **Proven two-part epoxy putty system**
- **Suitable for installation in any orientation**
- **Hand mixed and packed for maximum control and flexibility on site**





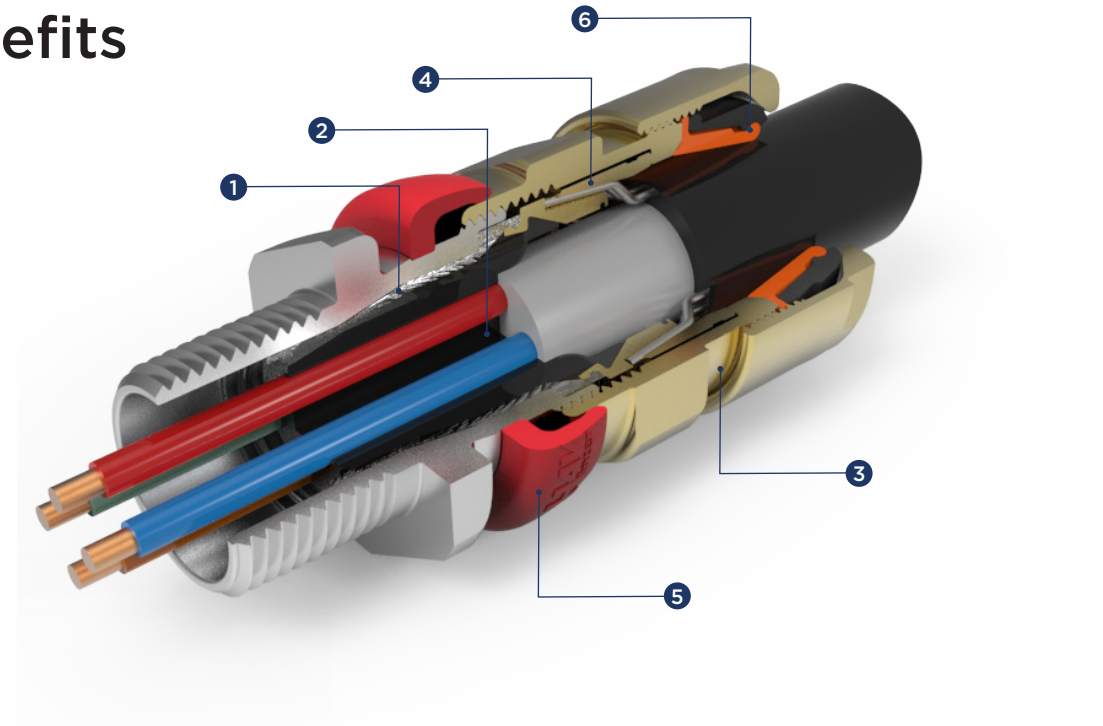
Exceptional **Features**

The Hawke 7-Series cable gland range combines innovative design with proven reliability to simplify installation while delivering exceptional performance in hazardous and demanding environments.

From its fully inspectable barrier seal and patented tightening guide to universal armour clamping and industry-leading environmental protection, every feature has been engineered to improve install efficiency, enhance safety and provide long-term confidence in cable termination and sealing integrity.



Key **Benefits**



1. Fully Inspectable Barrier Seal
A patented transparent compound chamber allows complete visual inspection of the barrier seal before installation is completed. Unlike traditional compound pots, there is no need to cut the gland open for verification, saving time, cost and rework.

Key benefit:
100% seal visibility and easier inspection.

2. Choice of Barrier Compound
Select the sealing method that best suits application:

Express Barrier Resin. Fast-injecting resin delivers quick, accurate installation and rapid curing.
2-Part Hand Mix Compound. Ideal where space is restricted or cables are installed horizontally.

Key benefit: Flexible installation options without compromising safety.

3. Built-In Tightening Guide
The patented Hawke tightening guide eliminates guesswork during installation. Clear visual indicators show when the gland has reached the correct tightening position, helping prevent over-tightening and cable damage.

Key benefit: Faster installation with consistent, reliable termination.

4. Universal Armour Clamping
Hawke's original reversible armour clamp securely terminates all armour and braid types using a single gland design. The fully inspectable clamping arrangement provides confidence that the armour has been correctly installed.

Key benefit: One solution for multiple cable types with visual verification.

5. Industry-Leading Environmental Protection
Certified to Type 4, IP66, IP67, IP68 and IP69, the NEC™ range delivers exceptional protection against dust, water ingress and high-pressure washdown environments.

Key benefit: Reliable sealing in the harshest operating conditions.

6. Advanced Rear Sealing System
The high-performance silicone rear seal provides a wide cable acceptance range, excellent environmental resistance and maintains sealing integrity across demanding temperature extremes.

Key benefit: Maximum cable retention, sealing range and long-term reliability.

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The Only Globally Certified, Fully Inspectable, **Compound Chamber**

A Hawke innovation that delivers complete visibility of the barrier seal before and after installation, eliminating the need for destructive inspection.

100% Sealing Compound Visibility

The transparent elastomeric compound chamber allows the barrier seal to be visually and fully inspected throughout installation and in service. Verify installation quality instantly and with confidence.

No Destructive Inspection

Traditional metallic compound chambers must be cut open to inspect the seal, requiring the gland to be scrapped and replaced. The Hawke transparent compound pot allows inspection without damaging the gland. Reduce waste, rework and maintenance costs.

Improved Installation Confidence

The barrier resin remains visible during injection and curing, making it easier to identify voids or installation issues before commissioning. Faster fault detection and more reliable installations.

Replaceable Compound Chamber

If the compound chamber becomes damaged, it can be easily replaced without replacing the entire cable gland. Lower lifecycle costs and simplified maintenance.

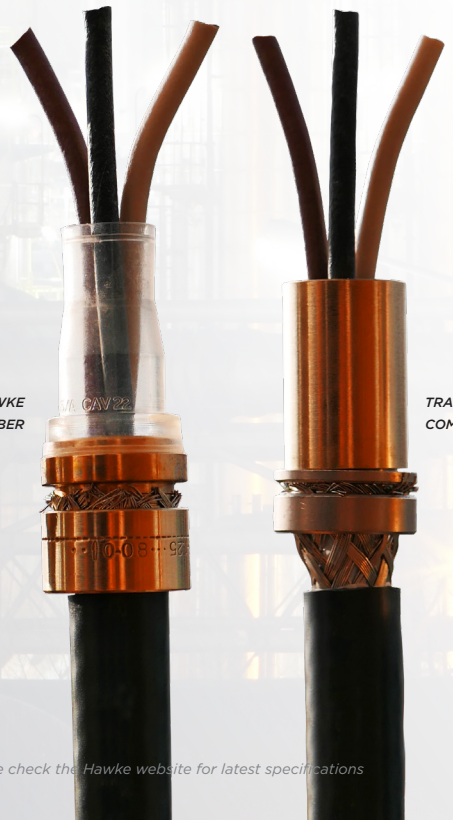
Globally Certified Innovation

Certified to both UL2225, and IEC/EN 60079. The world's first fully inspectable elastomeric compound pot to achieve global hazardous area certification. Proven performance backed by internationally recognised approvals.

The Difference is Clear

Unlike traditional metallic compound pots, Hawke's transparent silicone compound pot provides complete visibility of the barrier seal from installation through to operation.

100% Visibility. **Total Confidence.**



HAWKE COMPOUND CHAMBER

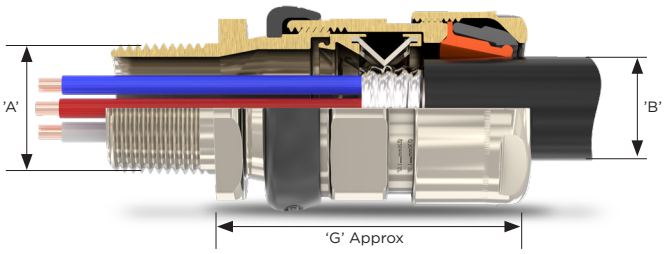
TRADITIONAL COMPOUND CHAMBER

701

Increased Safety Exe for Zones
North American Cable Gland

Features

- Inspectable Deluge Seal - Offering Type 4X Protection
- Fully inspectable 360° grounding device which remains in contact with the cable when disassembled for inspection
- 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 701 gland certified Exe for zones is suitable for use with continuous corrugated Aluminium Metal Clad cable. Features a fully inspectable 360° grounding device which remains in contact with the cable when disassembled for inspection.

Cable Gland Selection Table

Trade Size	Entry Thread Size 'A'		Cable Acceptance Details				Approx Length 'G'	Hexagon Dimensions	
	Metric	NPT	Armour Jacket		Outer Jacket 'B'			Across Flats	Across Corners
			Min.	Max.	Min.	Max.			
A	M20	3/4" or 1/2"	0.41"	0.64"	0.49"	0.81"	2.5"	1.18"	1.28"
B	M25	1" or 3/4"	0.55"	0.93"	0.67"	1.02"	2.59"	1.42"	1.56"
C	M32	1 1/4" or 1"	0.85"	1.23"	0.87"	1.30"	2.93"	1.81"	1.99"
C2	M40	1-1/2" or 1-1/4"	1.17"	1.59"	1.10"	1.61"	3.03"	2.17"	2.39"
D	M50	2" or 1-1/2"	1.37"	1.96"	1.42"	2.07"	3.90"	2.56"	2.79"
E	M63	2-1/2" or 2"	1.81"	2.55"	1.81"	2.57"	3.66"	3.15"	3.46"
F	M75	3" or 2-1/2"	2.37"	2.98"	2.24"	3.07"	3.93"	3.74"	4.09"
H	M90	3-1/2"	2.89"	3.46"	2.95"	3.52"	3.34"	4.18"	4.8"
J	-	4"	3.42"	4.11"	3.46"	4.11"	4.37"	5"	5.6"

M20-M75 entry threads are 1.5mm pitch as standard, 15mm length of thread.
M90 entry thread is 2.0mm pitch as standard, 20mm length of thread.

Technical Data

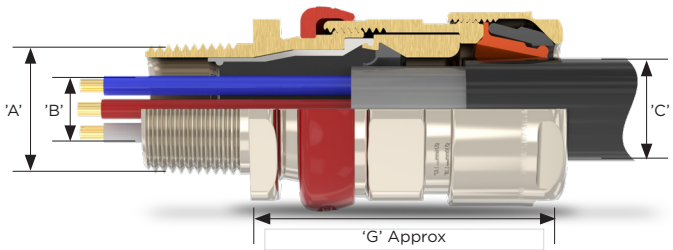
Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67, IP68*, IP69 to IEC/EN 60529 and Type 4X *30m for 7 days with thread sealant (special conditions apply)
Deluge Protection	to DTS01
Enclosure Protection	IK10 to IEC 62262
Operating Temperature	-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

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

MADE IN THE UK

710

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



Features

- Inspectable Deluge Seal - Offering Type 4X Protection
- Transparent Elastomeric Fully Inspectable Compound Chamber – compatible with both injectable resin and 2 part compound
- 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

International Approvals

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

Trade Size	Entry Thread Size 'A'		Cable Acceptance Details					Approx Overall Length 'G'	Hexagon Dimensions	
			Inner Jacket Cores			Outer Jacket 'C'				
	Metric	NPT	Max. Over Cores 'B'	Max. QTY of Cores	Max Inner Jacket Dia	Min.	Max.		Across Flats	Across Corners
Os	M16	-	0.31"	12	0.275"	0.22"	0.47"	2.30"	0.94"	1.04"
	M20	1/2"	0.31"	12	0.32"	0.22"	0.47"	2.30"	0.94"	1.04"
O	M16	-	0.35"	12	0.275"	0.37"	0.63"	2.30"	0.94"	1.04"
	M20	1/2"	0.35"	12	0.46"	0.37"	0.63"	2.30"	0.94"	1.04"
A	M20	3/4" or 1/2"	0.43"	15	0.55"	0.49"	0.81"	2.39"	1.18"	1.28"
B	M25	1" or 3/4"	0.63"	30	0.78"	0.66"	1.02"	2.65"	1.42"	1.56"
C	M32	1 1/4" or 1"	0.86"	42	1.03"	0.87"	1.30"	2.88"	1.81"	1.99"
C2	M40	1-1/2" or 1-1/4"	1.05"	60	1.27"	1.10"	1.61"	3.08"	2.17"	2.39"
D	M50	2" or 1-1/2"	1.48"	80	1.74"	1.42"	2.07"	3.84"	2.56"	2.79"
E	M63	2-1/2" or 2"	1.93"	100	2.20"	1.81"	2.57"	3.68"	3.15"	3.46"
F	M75	3" or 2-1/2"	2.35"	120	2.68"	2.24"	3.07"	4.11"	3.74"	4.09"
H	M90	3-1/2"	2.95"	160	3.14"	2.95"	3.52"	3.34"	4.18"	4.8"
J	-	4"	3.34"	180	3.54"	3.46"	4.11"	4.37"	5"	5.6"

M20-M75 entry threads are 1.5mm pitch as standard, 15mm length of thread.
M90 entry thread is 2.0mm pitch as standard, 20mm length of thread.

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
Additional Certifications	EAC: EA3C KZ 7100841.01.01.03125* EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X PESO: P450038

** Product not marked EAC as standard. Contact Hawke International if required.*
*** H Size temperature is -50°C +60°C cULus J Size temperature is -20°C +60°C ULus / -50°C +60°C cUL*
H & J Size are certified cULus only, not ATEX/IECEx. If in doubt, contact Hawke for clarification.

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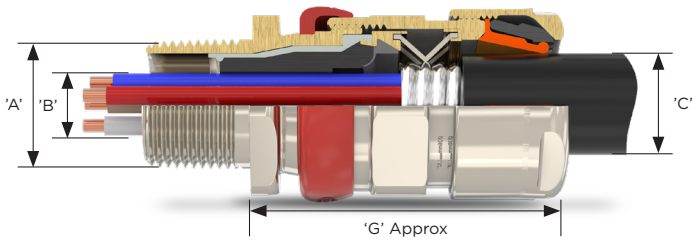
711

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

MADE IN THE UK

Features

- Inspectable Deluge Seal - Offering Type 4X Protection
- Transparent Elastomeric Fully Inspectable Compound Chamber – compatible with both injectable resin and 2 part compound
- Fully inspectable 360° grounding device which remains in contact with the cable when disassembled for inspection
- 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 711 dual certified Exe/Exd gland is suitable for use with continuous corrugated Aluminium Metal Clad (ITC-HL, MC, MC-HL, TECK90, RA90) 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

Trade Size	Entry Thread Size 'A'		Cable Acceptance Details					Approx Length 'G'	Hexagon Dimensions	
	Metric	NPT	Max. Over Cores Dia 'B'	Max QTY of Cores	Armour Jacket Max Dia	Outer Jacket 'C'			Across Flats	Across Corners
						Min.	Max.			
A	M20	3/4" or 1/2"	0.43"	15	0.64"	0.49"	0.81"	2.5"	1.18"	1.28"
B	M25	1" or 3/4"	0.63"	30	0.93"	0.67"	1.02"	2.59"	1.42"	1.56"
C	M32	1 1/4" or 1"	0.86"	42	1.23"	0.87"	1.30"	2.93"	1.81"	1.99"
C2	M40	1-1/2" or 1-1/4"	1.05"	60	1.59"	1.10"	1.61"	3.03"	2.17"	2.39"
D	M50	2" or 1-1/2"	1.48"	80	1.96"	1.42"	2.07"	3.9"	2.56"	2.79"
E	M63	2-1/2" or 2"	1.93"	100	2.55"	1.81"	2.57"	3.66"	3.15"	3.46"
F	M75	3" or 2-1/2"	2.35"	120	2.98"	2.24"	3.07"	3.93"	3.74"	4.09"
H	M90	3-1/2"	2.95"	160	3.14"	2.95"	3.52"	3.34"	4.18"	4.8"
J	-	4"	3.34"	180	3.54"	3.46"	4.11"	4.37"	5"	5.6"

M20-M75 entry threads are 1.5mm pitch as standard, 15mm length of thread.
M90 entry thread is 2.0mm pitch as standard, 20mm length of thread.

Technical Data

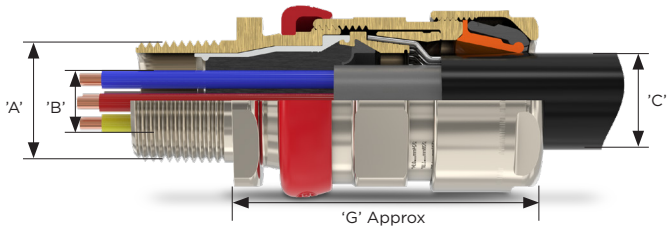
Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67, IP68*, IP69 to IEC/EN 60529 and Type 4X *30m for 7 days with thread sealant (special conditions apply) 10m for 24hrs no thread sealant; A-C size only
Enclosure Protection	IK10 to IEC 62262
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 Db
Cable Types	ITC-HL, MC, MC-HL, TECK90, RA90
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; Extb 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
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. Contact Hawke International if required.*
*** H Size temperature is -50°C +60°C cULus J Size temperature is -20°C +60°C ULus / -50°C +60°C cUL*
H & J Size are certified cULus only, not ATEX/IECEx. If in doubt, contact Hawke for clarification.

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

753

North American Class 1 Division 1 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 Type 4X protection
- Fully Inspectable Elastomeric Transparent Compound Chamber – 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

Trade Size	Entry Thread Size 'A'		Cable Acceptance Details							Approx Overall Length 'G'	Hexagon Dimensions	
	Metric	NPT	Max. Over Cores 'B'	Max. QTY of Cores	Inner Jacket Dia	Outer Jacket Dia 'C'		Armour / Braid 'D'			Across Flats	Across Corners
						Min.	Max.	Orientation 1	Orientation 2			
Os	M16 M20	- 1/2"	0.275" 0.31"	12	0.32"	0.22"	0.47"	0.0315"/0.0492"	0"/0.0315"	2.3"	0.94"	1.04"
O	M16 M20	- 1/2"	0.275" 0.35"	12	0.46"	0.37"	0.63"	0.0315"/0.0492"	0"/0.0315"	2.3"	0.94"	1.04"
A	M20	3/4" or 1/2"	0.43"	15	0.55"	0.49"	0.81"	0.0315"/0.0492"	0"/0.0315"	2.39"	1.18"	1.28"
B	M25	1" or 3/4"	0.63"	30	0.78"	0.67"	1.02"	0.0492"/0.063"	0"/0.0276"	2.65"	1.42"	1.56"
C	M32	1 1/4" or 1"	0.86"	42	1.03"	0.87"	1.30"	0.063"/0.0787"	0"/0.0276"	2.88"	1.81"	1.99"
C2	M40	1-1/2" or 1-1/4"	1.05"	60	1.27"	1.10"	1.61"	0.063"/0.0787"	0"/0.0276"	3.08"	2.17"	2.39"
D	M50	2" or 1-1/2"	1.48"	80	1.74"	1.42"	2.07"	0.0709"/0.0984"	0"/0.0394"	3.84"	2.56"	2.79"
E	M63	2-1/2" or 2"	1.93"	100	2.20"	1.81"	2.57"	0.0709"/0.0984"	0"/0.0394"	3.68"	3.15"	3.46"
F	M75	3" or 2-1/2"	2.35"	120	2.68"	2.24"	3.07"	0.0709"/0.0984"	0"/0.0394"	4.11"	3.74"	4.09"
H	M90	3-1/2"	2.95"	160	3.14"	2.95"	3.52"	0.07874" - 0.09842"	0"/0.0394"	4.20"	4.18"	4.8"
J	-	4"	3.34"	180	3.54"	3.46"	4.11"	0.09842" - 0.15748"	0"/0.0394"	4.37"	5"	5.6"

M20-M75 entry threads are 1.5mm pitch as standard, 15mm length of thread.
M90 entry thread is 2.0mm pitch as standard, 20mm length of thread.

**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"

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/B0 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

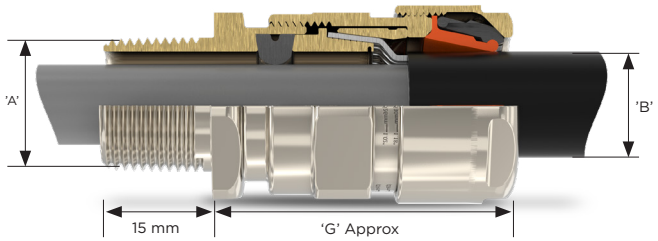
**Product not marked EAC as standard. If required contact Hawke International.*
*** H Size temperature is -50°C +60°C cULus*
J Size temperature is -20°C +60°C ULus / -50°C +60°C cUL
H & J Size are certified cULus only, not ATEX/IECEx. If in doubt, contact Hawke for clarification.

MADE IN THE UK

153 X

North American
General Purpose

International Approvals



Features

- Elastomeric seal on cable inner sheath
- Fully Inspectable Armour Clamp
- 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 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						Approx Length 'G	Hexagon Dimensions	
	Metric	NPT	Standard Seal		Alternative Seal		Outer Jacket 'B'		Armour / Braid 'C'				
			Min.	Max.	Min.	Max.	Min.	Max.	Orientation 1	Orientation 2		Across Flats	Across Corners
Os	M16 M20	- 1/2"	0.13"	0.31"	-	-	0.22"	0.47"	0.0315"/0.0492"	0"/0.0315"	2.05"	0.94"	1.04"
O	M16 M20	- 1/2"	0.26"	0.43" 0.47"	-	-	0.41"	0.63"	0.0315"/0.0492"	0"/0.0315"	2.05"	0.94"	1.04"
A	M20	3/4" or 1/2"	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 3/4"	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	1 1/4" 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	1-1/2" or 1-1/4"	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 1-1/2"	1.24"	1.75"/1.66"[1]	1.08"	1.37"	1.56"	2.07"	0.0709"/0.0984"	0"/0.0394"	3.11"	2.56"	2.79"
E	M63	2-1/2" or 2"	1.67"	2.22"/2.14"[1]	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 2-1/2"	2.15"	2.69"/2.57"[1]	1.95"	2.3"	2.52"	3.07"	0.0709"/0.0984"	0"/0.0394"	3.30"	3.74"	4.09"
H	M90	3-1/2"	2.64"	3.06"	-	-	2.96"	3.52"	0.0787"/0.1378"	0"/0.0394"	3.76"	4.53"	5.12"

M20-M75 entry threads are 1.5mm pitch as standard, 15mm length of thread.
M90 entry thread is 2.0mm pitch as standard, 20mm length of thread.

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

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"

Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Area Classification	UL listed for use Wet Locations
UL Listing	E218332
Construction & Test Standards	IEC/EN 62444 (Anchorage Type B), UL 514B
Ingress Protection	IP66, IP67, IP68 (30 metres for 7 days, special instructions apply) to IEC/EN 60529 and NEMA 4X
Enclosure Protection	IK10 to IEC 62262
Deluge Protection	DTS01
Operating Temperature	-50°C to +60°C
Marine Approvals	DNV: TAE00003BT
Additional Certifications	SONCAP: LCOGB049552-0500

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

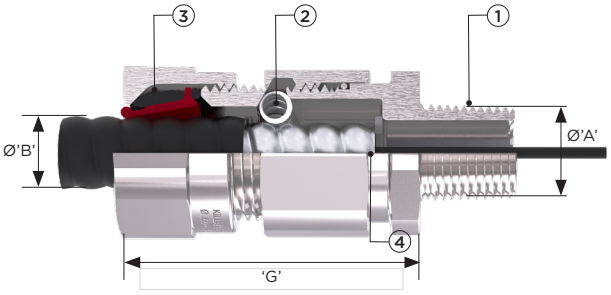
MC

Increased Safety Exe for Zones
North American Cable Gland

MADE IN THE USA

Features

- 1 - World class NPT threads for proper flame propagation
- 2 - Stainless steel reusable ground spring
- 3 - Silicone seal with nylon clamp for broader range of cable sizes
- 4 - Engineered exterior oring for IP protection



c UL us LISTED

360° armour grounding spring is reusable. Robust threads and world class seal enables easy installation with minimal torque required. Design meets and exceeds third party requirements for cable retention. Provides sealing back nut plus inner O-ring seal to prevent moisture ingress to the cable armour and enclosure. Copper-free aluminium construction for hostile, corrosive, and certain hazardous locations.

Cable Gland Selection Table

Part Number	NPT Standard	Cable Acceptance Details						G'	Hexagon Dimensions	
		Inner Jacket/Cores '0A'				Outer Jacket '0B'				
		Max Over Cores	Armour Jacket		Max No of Cores	Min	Max		Across Flats	Across Corners
			Min	Max						
MC1B	1/2"	.39"	.43"	.55"	6	.51"	.63"	2.6"	1.06"	1.12"
MC1C	1/2"	.48"	.52"	.74"	10	.60"	.79"	2.9"	1.42"	1.50"
MC2	3/4"	.71"	.65"	.95"	21	.73"	1.00"	3.1"	1.61"	1.69"
MC3	1"	.96"	.89"	1.23"	42	.97"	1.31"	3.2"	1.97"	2.13"
MC4	1-1/4"	1.16"	1.15"	1.48"	73	1.23"	1.56"	3.6"	2.36"	2.5"
MC5	1-1/2"	1.35"	1.39"	1.62"	80	1.47"	1.78"	4.5"	2.95"	3.06"
MC6	2"	1.62"	1.39"	1.89"	80	1.47"	2.04"	4.5"	2.95"	3.06"
MC7	2-1/2"	2.09"	1.85"	1.93"	100	1.93"	2.51"	4.7"	3.54"	3.65"
MC8	3"	2.52"	2.19"	2.27"	120	2.27"	3.01"	4.8"	4.06"	4.22"
MC9	3-1/2"	3.01"	2.69"	2.77"	120	2.77"	3.46"	4.8"	4.53"	4.69"
MC0	4"	3.50"	3.28"	3.46"	120	3.46"	4.07"	5.1"	5.12"	5.33"

Technical Data

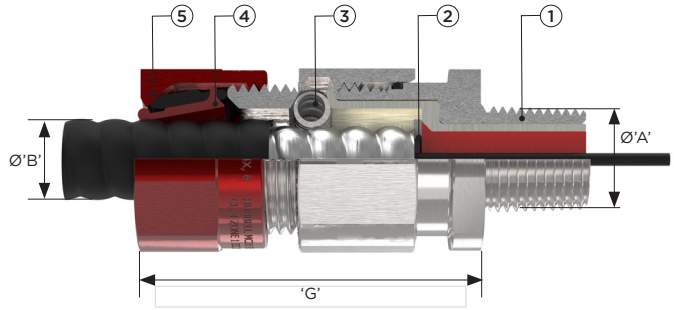
Material Options	Manufactured in 6061T6 Aluminium
Ingress Protection	Types 3, 4, 4X, 6, IP66, IPX8 6ft/1hr
Operating Temperature	-50°C to +60°C
NEC Protection Class	Class II Div 1 EFG, Class III Class II Div 2 EFG Class I, Zone 2t, Groups IIC, Zone 20
CEC Protection Class	Class II Div 1 EFG, Class III Class II Div 2 EFG Class I, Zone 2t, Groups IIC, Zone 20
Cable Types	AC- AC90, ACWU90, AC90-HL, ACWU90-HL, ACG90, ACGWU90 MC- MCC, MCI, MCI-A, MC-HL RA - RA90, RA90-HL TECK- TECK90, TECK90-HL TRAY- TC, TC-ER, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, MV, TYPE P
c CSAus Listing	2536624
Construction & Test Standards	UL 514B, UL 2225, UL 50E, CSA 22.2 No 0-10, No 18.3-12, No 25-17, No 30-20, No 174-18, No 174-18

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

MADE IN THE USA

MC2X

Explosion proof, CSA and UL approved Flameproof, Increased Safety



Features

- 1 - World class NPT threads for proper flame propagation
- 2 - Patented disc brush dam grommet for resin compound
- 3 - Stainless steel reusable ground spring
- 4 - Silicone seal with nylon clamp for broader range of cable sizes
- 5 - Red anodized back nut for visual hazardous ratings identification

The new MC2X series is designed exclusively for jacketed interlocked, continuously corrugated welded armour and unarmoured cable and acts as barrier for hazardous locations. This series now offers a simple to use Hawke Express and CELOX resin compound to provide a fast curing barrier. It prevents the spread of explosive gases and flame propagation. This series is equipped with a 360° armour grounding spring that is reusable. Robust threads and world class seal enables easy installation with minimal torque required. It is made from strong copper-free aluminium for caustic environments and is rated for Type 4X, 6 and IP66 and IPX8 protection for various harsh & hazardous environments.

Cable Gland Selection Table

Part Number	NPT Standard	Cable Acceptance Details						G'	Hexagon Dimensions	
		Inner Jacket/Cores '0A'				Outer Jacket '0B'			Across Flats	Across Corners
		Max Over Cores	Armour Jacket		Max No of Cores	Min	Max			
			Min	Max						
MC2X1B	1/2"	.39"	.43"	.55"	6	.51"	.63"	2.6"	1.06"	1.12"
MC2X1C	1/2"	.48"	.52"	.74"	10	.60"	.79"	2.9"	1.42"	1.50"
MC2X2	3/4"	.71"	.65"	.95"	21	.73"	1.00"	3.1"	1.61"	1.69"
MC2X3	1"	.96"	.89"	1.23"	42	.97"	1.31"	3.2"	1.97"	2.13"
MC2X4	1-1/4"	1.16"	1.15"	1.48"	73	1.23"	1.56"	3.6"	2.36"	2.5"
MC2X5	1-1/2"	1.35"	1.39"	1.62"	80	1.47"	1.78"	4.5"	2.95"	3.06"
MC2X6	2"	1.62"	1.39"	1.89"	80	1.47"	2.04"	4.5"	2.95"	3.06"
MC2X7	2-1/2"	2.09"	1.85"	1.93"	100	1.93"	2.51"	4.7"	3.54"	3.65"
MC2X8	3"	2.52"	2.19"	2.27"	120	2.27"	3.01"	4.8"	4.06"	4.22"
MC2X9	3-1/2"	3.01"	2.69"	2.77"	120	2.77"	3.46"	4.8"	4.53"	4.69"
MC2X0	4"	3.50"	3.28"	3.46"	120	3.46"	4.07"	5.1"	5.12"	5.33"

Technical Data

Material Options	Manufactured in 6061T6 Aluminium
Ingress Protection	Types 3, 4, 4X, 6, IP66, IPX8 6ft/1hr
Operating Temperature	-50°C to +60°C
NEC Protection Class	Class I Div 1 ABCD: Class II Div 1 EFG, Class III Class I Div 2 ABCD, Class II Div 2 EFG Class I, Zone 1, Groups IIC, Zone 20
CEC Protection Class	Class I Div 1 ABCD: Class II Div 1 EFG, Class III Class I Div 2 ABCD, Class II Div 2 EFG Class I, Zone 1, Groups IIC, Zone 20
Cable Types	AC- AC90, ACWU90, AC90-HL, ACWU90-HL, ACG90, ACGWU90 MC- MCC, MCI, MCI-A, MC-HL RA - RA90, RA90-HL TECK- TECK90, TECK90-HL TRAY- TC, TC-ER, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, MV, TYPE P
c CSAus Listing	2536624
Construction & Test Standards	UL 514B, UL 2225, UL 50E, CSA 22.2 No 0-10, No 18.3-12, No 25-17, No 30-20, No 174-18, No 174-18

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

Ordering Information

To ensure the correct gland type and configuration are ordered, use the part code structure shown below. This provides a clear and consistent method of product specification, replacing outdated part numbers and ambiguous descriptions that may lead to incorrect product selection.

For MC and MC2X part codes see gland selection table for each product.

Part Code Builder

Gland Type	Trade Size	Male Entry Thread	Male Entry Thread Length	Material	Inner Seal Option	Clamping Ring	Barrier Compound Type
701	A-J	**M16-M90** ½" - 4" NPT*	**No Selection =** 15mm or NPT **B =** 20mm **C =** 22mm **D =** 25mm **E =** 30mm	**No Selection =** Unplated Brass **NE =** Nickel Plated Entry Only **NP =** Fully Nickel Plated **SS =** Stainless Steel	N/A	N/A	**No Selection =** Liquid Express Resin **Q =** Hawkeseal Putty **D =** No Compound
710	Os - J						
711	A - J						
753	Os - J						
153X	Os - H	**M16-M90** ½" - 3 ½" NPT*			**No Selection =** Standard Seal **S =** Alternative Seal	**No Selection =** Standard Ring **R =** Alternative Ring	
		Show NPT as Decimal e.g. ¾" = 0.75	*H M90 always blank and supplied 20mm Entry Thread Length*	*NPT entries must be NE, NP or SS*			*H & J only with Putty style compound (Q) or No Compound (D)*

Example Part Codes:
710AM20NPQ 753O0.5NPRQ 153XO0.5NPR

United Kingdom
Hubbell UK, Ashton Rd, Bredbury Park Industrial Estate
Bredbury, Stockport SK6 2QN
Tel: +44 (0)141 882 5555 Email: getintouchuk@hubbell.com

U.S.A.
Killark Electric, 2112 Fenton Logistics Park Blvd
Fenton, MO 63026
Tel: +1 (314) 531 0460 Email: @hubbell.com

Middle East
Building No. 5EA Office No. G03 Dubai Airport Free Zone
(DAFZ) Office #432, Building #6EB PO Box 23529 Dubai UAE
Tel: +971 (0)4 609 1222 Email: middle-east@chalmit.com

Asia Pacific
130 Joo Seng Road #03-02 Olivine Building Singapore 368357
Tel: +65 6282 2242 Email: asia-pacific@ehawke.com

Korea
512 Hyosung Intellian 681-3 Deungchon Dong
Kangseo-Ku Seoul 157-030 Korea
Tel: +82 2 2063 3719 Email: korea@ehawke.com

China
Room H/I 18F No. 728 Pudong Avenue
Shanghai International Ocean and Finance Building
Shanghai 200120 P.R. China
Tel: (86 21) 3392 6550 ext. 318 Email: china@ehawke.com



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Hubbell UK, Ashton Rd, Bredbury Park Industrial Estate, Bredbury SK6 2QN
www.hubbell.com/hawke | getintouchuk@hubbell.com | +44 (0)141 882 5555

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