

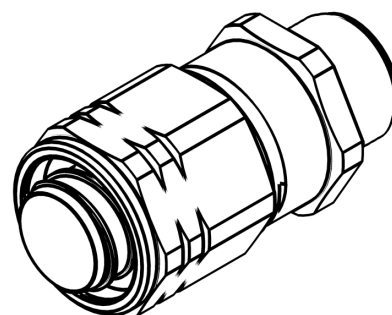
# Ex d e Conduit Stopping Box Type HA-G1

RPM - 311 | Issue 2



This equipment is destined for use by qualified and competent personnel in compliance with national laws and where applicable, IEC/EN 60079-14 Electrical Installations in Hazardous Areas.

**This product must not be modified in any way.  
Only original parts should be used for maintenance.**



## Approvals



### Approvals

ATEX: Sira09ATEX1231X  
IECEx: IECEx SIR 09.0103X  
INMETRO: UL-BR 15.0330X  
UL/CSA: CSA 2310045

### Standards

EN 60079-0:2009, 60079-1:2007, 60079-7:2007, 60079-31:2008  
IEC 60079-0:2007-10, 60079-1:2007-04, 60079-7:2006-07, 60079-31:2008  
ABNT NBR IEC 60079-0:2008, 60079-1:2009, 60079-7:2008, 60079-31:2011  
C22.2 No. 0-M91, C22.2 No.18.3-04, C22.2 No.25-M1966, C22.2 No. 30-M1986

The products have been designed and manufactured in compliance with the above standards, to the following protection levels:

Ⓔ II 2GD Ex d e I Mb Ex d e IIC Gb Ex tb IIIC Db

Ⓔ Class I Div 2 ABCD Class II Div 1 EFG (-60°C to +130°C)

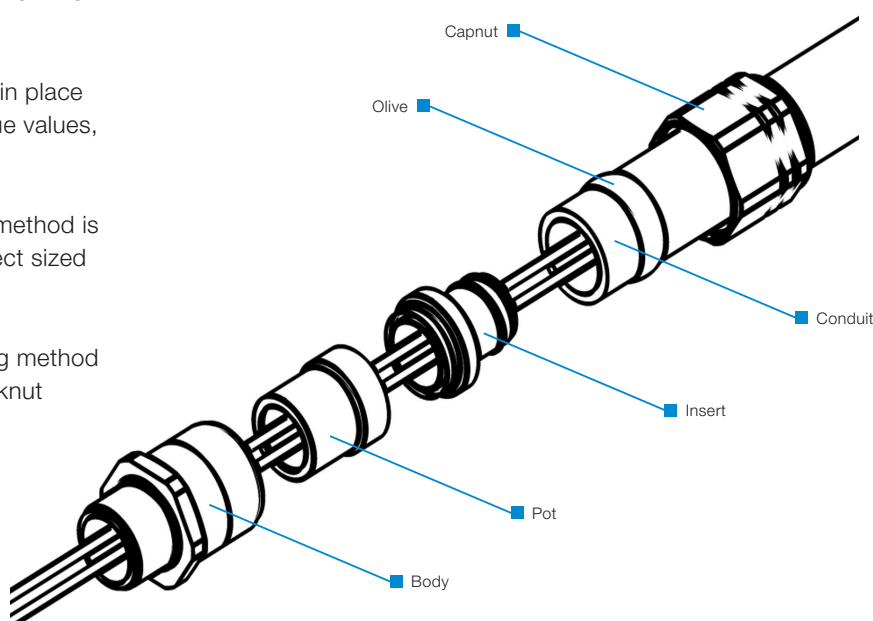
## Instructions

This equipment is suitable for use with both Ex d and Ex e enclosures.

**Ex d Threaded Entries** - Fitting should be secured in place using correct sized wrench to recommended torque values, ensuring 5 full threads are engaged.

**Ex e Threaded Entries** - Ensure a suitable sealing method is used and secure the fitting in place using the correct sized wrench to the recommended torque values.

**Ex e Unthreaded Entries** - Ensure a suitable sealing method is used and secure the fitting using the correct locknut and wrench to the recommended torque values.



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### Special Notes

- Care should be taken to ensure the entire space between the cores within the pot has been filled with compound.
- The compound should set within 4 hours at room temperature, please see chart for approximate curing times.

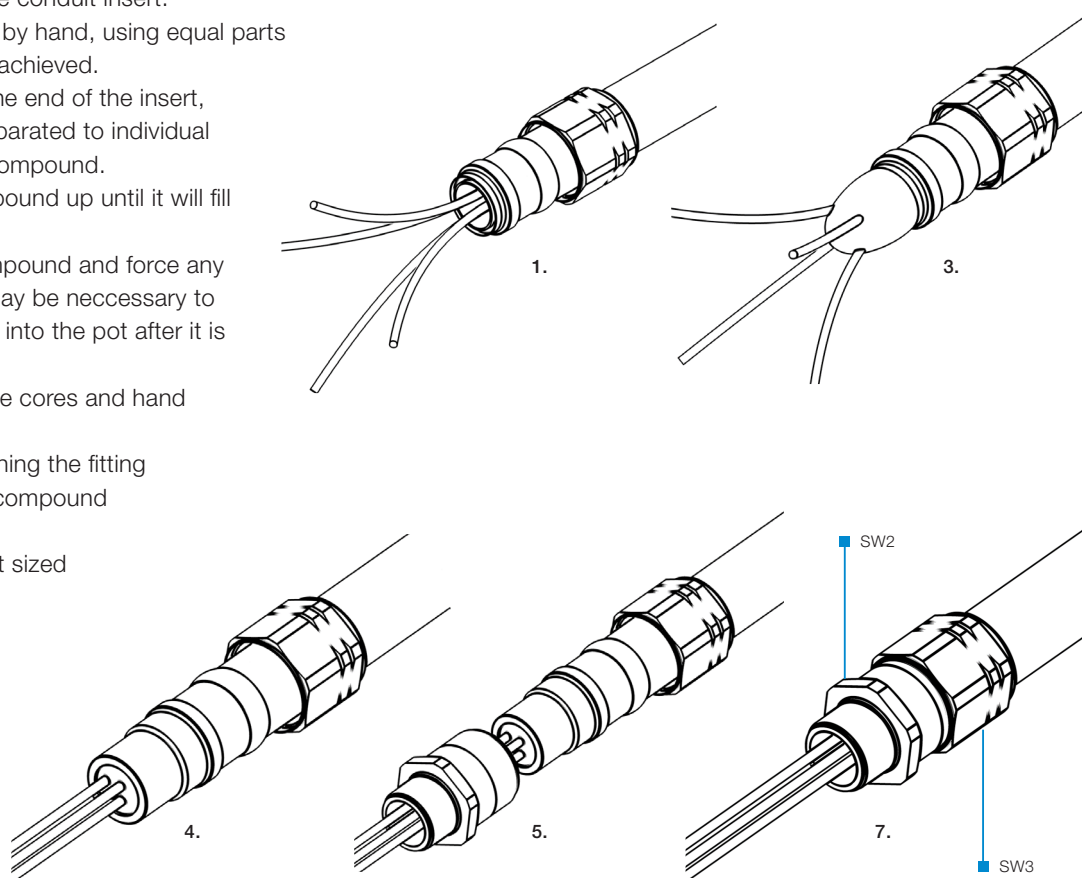
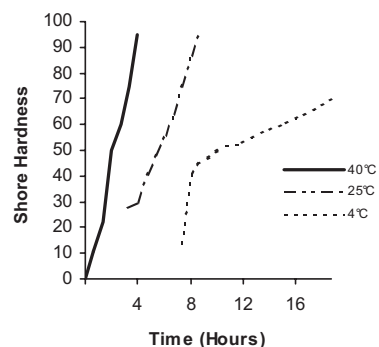
### Maintenance

The inspection of this equipment should be included in the routine maintenance and inspection of the equipment to which it is installed.

### Instructions

1. Place capnut then olive over conduit and ensure any cables are free to pass through the conduit insert.
2. Mix the sealing compound by hand, using equal parts until a smooth even mix is achieved.
3. Pack the compound into the end of the insert, ensuring the cables are separated to individual cores and are divided by compound. Continue to build the compound up until it will fill the pot component.
4. Place the pot over the compound and force any excess out of the pot. (It may be necessary to pack additional compound into the pot after it is in position).
5. Slide body of fitting over the cores and hand tighten fitting.
6. A brief inspection by loosening the fitting and removing any excess compound may be required.
7. Tighten fitting using correct sized wrench to recommended torque values.

Epoxy Compound  
Cure Time Vs. Temperature



## Flexible Conduit Gland Selection Table

Size Ref (conduit size)	Kopex Ref	Gland Body		Gland Nut		Metric / NPT	Max Dia. Over Cores	Max Dia. Over Single Core	Max No. of Cores	Overall Length	Torque Values (N.m)	
		Across Flats	Across Corners	Across Flats	Across Corners						SW2	SW3
16 / 3/8"	HAM*0304G1 HAA*0304G1	28.6	31.0	32.0	34.0	M20 1/2"	10.5	10.0	9	50.0	30.0	28.0
20 / 1/2"	HAM*0404G1 HAA*0404G1	28.6	31.0	32.0	34.0	M20 1/2"	13.0	13.0	15	50.0	30.0	28.0
25 / 3/4"	HAM*0505G1 HAA*0505G1	34.0	37.0	34.0 34.9 SS	37.0	M25 3/4"	17.9	17.9	28	50.0	45.0	27.0
32 / 1"	HAM*0606G1 HAA*0606G1	42.0	45.0	42.0 42.4 SS	45.0	M32 1"	24.0	24.0	50	50.0	65.0	32.0
40 / 1,1/4"	HAM*0707G1 HAA*0707G1	50.0	54.0	52.0	57.0	M40 1,1/4"	32.0	32.0	75	56.0	75.0	75.0
50 / 1,1/2"	HAM*0808G1 HAA*0808G1	60.0	64.0	60.0	64.0	M50 1,1/2"	35.0	35.0	80	58.0	90.0	75.0
63 / 2"	HAM*0909G1 HAA*0909G1	70.0	76.0	70.0 69.8 SS	76.0	M63 2"	45.0	45.0	100	70.0	100.0	75.0

## EC Declaration of Conformance -Directive 94/9/EC ATEX

KOPEX-EX declares that the products described below:

### Conduit Barrier Glands - Type HA-G1

Are designed and manufactured for use in explosive atmospheres according to;

The following provision of the directive:

Under EC-Type Examination by notified body:

EC-Type Examination Certificate:

Notified body for production:

Using Harmonised Standards:

⊕ II 2GD Ex d e I Mb Ex d e IIC Gb Ex tb IIIC Db

SIRA 0518 Chester UK

Sira09ATEX1231X

SGS BASEEFA 1180 Buxton UK

EN 60079-0:2009, 60079-1:2007, 60079-7:2007, 60079-31:2009

These standards represent state of the art



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Kopex-Ex will take no responsibility for any damage, injury or loss caused where products have not been installed or used as detailed in these instructions. If in doubt, further advice can be obtained from our Technical Department

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