



# Compression Fitting

Instructions and EC Declaration of Conformity

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ATEX Exd

# Compression Fitting

## Atex Exd Instructions

The following instructions apply to equipment covered by certificate number **Sira 08ATEX1242**.

- 1 The equipment is to be used with stainless steel sheathed mineral insulated cables as specified below.
- 2 The equipment may be used in conductive dust explosive atmospheres.
- 3 The equipment is only certified for use in a temperatures range at the point of mounting between -20°C to +80°C and should not be used outside this range.
- 4 Installation shall be carried out by suitably-trained personnel in accordance with the applicable code of practice e.g. EN 60079-14:1997/EN61241-14
  - Thread gland body into the appropriate size and type of tapped entry on the associated enclosure, thread size and type, as marked on the product. See the C.O.P for any necessary interface sealing that may be required.
  - Pass the tubing nut then the olive sealing ring over the cable sheath.
  - Tighten the tubing nut to the following tightening torque. Ensuring that there is sufficient cable length passing into the enclosure to reach any termination points.

Gland Type No	1	2	3	4	5	6
Thread Size & Type	¼" BSP	M16 X1.5	½" NPT	½" BSP	M20 x 1.5	¾" NPT
Cable Ø	3.0 ±0.03					
Sheath Thickness	Min 0.3mm					
Installation Torque Nm	22					

Gland Type No	7	8	9	10	11	12
Thread Size & Type	¼" BSP	½" NPT	½" BSP	M20x 1.5	¾" NPT	M16 x 1.5
Cable Ø	6.0 ±0.06					
Sheath Thickness	Min 0.6mm					
Installation Torque Nm	24					

- 5 Inspection and maintenance of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-17/EN61241-17
- 6 The equipment is not repairable or indeed has replacement component parts. If any damage is observed the cable gland must be replaced in full.
- 7 The certification of this equipment relies upon the following materials used in its construction: 316 stainless steel.

If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection provided by the equipment is not compromised.

Aggressive Substances	e.g. Acidic liquids or gases that may attack the metals.
Suitable Precautions	e.g. Regular checks as part of routine inspections or establishing from the material's data sheets that it is resistant to specific chemicals.

- 8 The cable glands are marked as follows:

**Product Marking**

H&b Sensors, PO22 9RH  
 Type No. e.g. 5 Size M20  
 Sira 08ATEX1242

**Product Packaging**

H&b Sensors Limited, Odyssey House, Durban Road, Bognor Regis, West Sussex, PO22 9RH

 II 2 G D  
 Ex db IIC & Ex tb IIIC IP6X

 0518

- 9 The standards used for compliance are:

EN 60079-0:2006	Explosive apparatus for explosive gas atmospheres – General requirements.
EN 60079-1:2007	Explosive atmospheres – Equipment protection by flameproof enclosure “d”
EN 61241-0:2006	Electrical apparatus for use in combustible dust atmospheres – General requirements.
EN 61241-1:2006	Electrical apparatus for use in combustible dust atmospheres – Protection by enclosure “tD”

Note: Product marking in accordance with IEC 60079-1:2007

# EC Declaration of Conformity

H&b Order No:

Customer Order No:

## In accordance with EC Directive 94/9/EC:

H&b Sensors Limited  
Odyssey House  
Durban Road  
Bognor Regis  
West Sussex  
PO22 9RH  
UNITED KINGDOM

## Declare the following product:

Stainless Steel ATEX Exd Cable Gland...

has been certified by H&b Sensors Limited to the relevant EC Directive 94/9/EC.  
ATEX Directive Code II 2 GD.

H&b Sensors Limited have been quality assessed by SIRA 0518 Quality Assurance Notification SIRA 00ATEXM050 and issued with EC Type Examination Certificate Sira 08ATEX1242 against the following European Standards:

EN 60079-0:2006

EN 60079-1:2007

IEC 60079-0:2007-10, Ed 5 (With regards to marking only)

EN 61241-0:2006

EN 61241-1:2006

### Product Marking

H&b Sensors PO22 9RH, Type No. Thread Size, Sira 08ATEX1242

To ensure the equipment meets the requirement of all the above, the product must be installed in accordance with the supplied instructions.

A copy of certificate Sira 08ATEX1242 is available on request or can be downloaded from our website: [www.hbsensors.co.uk](http://www.hbsensors.co.uk)

Signed for on behalf of H&b Sensors Limited:

Name:

Position:

Signature:

Date:



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