



**EC - TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 EC - Type Examination Certificate Number: **Baseefa09ATEX0186X**
- 4 Equipment or Protective System: **AAG XXX Range of Cable Glands**
- 5 This certificate is held by: **Abtech Limited**
- 6 Address: **Sanderson Street, Lower Don Valley, Sheffield, S9 2UA**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. GB/BAS/ExTR09.0126/00
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2006, EN 60079-1: 2004, EN 60079-7: 2006, IEC 61241-0: 2004, IEC 61241-1: 2004**  
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

**Ex II 2GD Ex d IIC Ex e II Ex tD A21 IP66 (-60°C ≤ ta ≤ +80°C)**

This certificate may only be reproduced in its entirety, without any change, schedule included.


Baseefa Customer Reference No. 6376

Project File No. 09/0435

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

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Registered in England No. 4305578. Registered address as above.

  
**R S SINCLAIR**  
DIRECTOR  
On behalf of  
Baseefa



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## Schedule

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Certificate Number Baseefa09ATEX0186X

### 15 Description of Equipment or Protective System

#### The AAG XXX RANGE OF CABLE GLANDS

The AAG Range of Cable Glands is intended for use with an effectively filled and circular, armoured or basket weave armoured, or braided (screened) cable and comprises the following components the metal parts of which can be manufactured in brass and may be nickel plated to suit the application:-

- a. An entry component, in the size range (M20 to M75)
- b. A displacement sealing ring
- c. A combined compression spigot and armour clamping cone
- d. An armour clamping ring for steel wire armour
- e. An armour clamping ring for basket weave steel wire armour or braided (screened cable)
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut

The XXX is used to define the size of gland e.g 20a or 25 etc.

#### Variation 0.1

Substitution of the M20 to M75 entry component with an entry component having an NPT equivalent in the range 1/2"NPT to 3"NPT.

#### Variation 0.2

Substitution of the M20 to M50 entry component with an entry having a Pg equivalent in the range Pg13.5 to Pg 42.

#### Variation 0.3

To allow the introduction of additional sizes of glands AAG-20/16, AAG-20b, AAG-80, AAG-90 and AAG-100 to the range.

### 16 Report Number

GB/BAS/ExTR09.0126/00

### 17 Special Conditions for Safe Use

1. These glands are suitable for use within an operating temperature range of -60°C to +80°C.
2. When the gland is used for increased safety or dust protection, the entry thread shall be suitably sealed, in accordance with EN 60079-14, to maintain the ingress protection rating of the associated enclosure
3. Glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.
4. In all installations both clamping rings must be fitted. When used with armoured or braided cable the unused ring must be installed behind the used ring.



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**18 Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

**19 Drawings and Documents**

| <b>Number</b>      | <b>Issue</b> | <b>Date</b> | <b>Description</b>                       |
|--------------------|--------------|-------------|--|
| ABT20091           | A            | 02/07/09    | Certification Marking – AAG cable glands |
| Baseefa07ATEX0152X | --           | 18/07/07    | DEX-A XXX Range of Cable Glands          |