



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx BAS 09.0089X

Issue No: 2

Certificate history:

Status: Current

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Issue No. 2 (2013-12-09)

Date of Issue: 2013-12-09

Issue No. 1 (2010-07-02)

Issue No. 0 (2009-08-28)

Applicant: **ABTECH Limited**  
5 Sanderson Street  
Sheffield  
S9 2UA  
United Kingdom

Electrical Apparatus: **ASG XXX and ADG Range of Cable Glands**  
Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Dust protection by enclosure**

Marking: **Ex d IIC**  
**Ex e II**  
**Ex tD A21 IP66/IP67**  
**(-60°C ≤ ta ≤ + 100°C)**


Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

General Manager

Signature:  
(for printed version)

  
9-12-13

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**SGS Baseefa Limited**  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Manufacturer: **ABTECH Limited**  
5 Sanderson Street  
Sheffield  
S9 2UA  
United Kingdom

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition:4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

### Test Report:

[GB/BAS/ExTR09.0126/00](#)

[GB/BAS/ExTR10.0149/00](#)

[GB/BAS/ExTR13.0161/00](#)

### Quality Assessment Report:

[GB/SIR/QAR06.0046/05](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### The ASG XXX RANGE OF CABLE GLANDS

The ASG Range of Cable Glands is intended for use with an effectively filled and circular 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

See annex for full description.

#### CONDITIONS OF CERTIFICATION: YES as shown below:

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 IEC 60079-14, to maintain the ingress protection rating of the associated enclosure.
3. Glands are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.
4. When used in flameproof applications on braided or armoured cable the seal within the gland must seal onto the inner sheath of the cable, i.e. that which is under the braid or armour and not on the outer sheath that covers the braid or armour.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Variation 2.1

The metallic parts of the cable gland may be manufactured in aluminium ally A6061-T6

### Variation 2.2

To allow the introduction of an additional cable gland size M25(S)25a to the ASG and ADG ranges of glands together with changes in the sealing ranges of the 16b(S), 25, 25S, 50(S), and 90(S) glands.

ExTR: GB/BAS/ExTR13.0161/00

File Reference: 13/0306

## Annex:

[IECEx BAS 09.0089X ANNEX.pdf](#)

**Baseefa**

Rockhead Business Park  
Staden lane, Buxton, Derbyshire  
SK17 9RZ  
United Kingdom



ANNEX to IECEx BAS 09.0089X

Issue No. 0

Date: 2009/08/28

**The ASG XXX RANGE OF CABLE GLANDS**

The ASG Range of Cable Glands is intended for use with an effectively filled and circular 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 (M16 to M90)
- b. A displacement sealing ring
- c. A metal compression ring
- d. A liner bush
- e. A compression nipple

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

**Variation 0.1**

Substitution of the M20 to M90 entry component with an entry component having an NPT equivalent in the range 1/2"NPT to 3"NPT.