



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: **Baseefa09ATEX0187X**
- 4 Equipment or Protective System: **ASG 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/IP67 (- 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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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



Schedule

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Certificate Number Baseefa09ATEX0187X

15 Description of Equipment or Protective System

The ASG XXX RANGE OF CABLE GLANDS

The ASG XXX 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.

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 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.

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

Number	Issue	Date	Description
ABT20089	A	02/07/09	Certification marking – ASG cable glands
Baseefa08ATEX0011X	--	25/01/08	A2F-S-XXX Range of Cable Glands



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0187X/1**
- 4 Equipment or Protective System: **ASG 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 supplementary certificate extends EC – Type Examination Certificate No. Baseefa09ATEX0187X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

Baseefa Customer Reference No. **6376**

Project File No. **10/0453**

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa09ATEX0187X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Permits the metal parts to be manufactured in stainless steel as an alternative material.

Variation 1.2

Extension of the permitted upper service temperature range to +100°C.

Variation 1.3

Alternative construction comprising a double seal arrangement to form an ADG range of metric and NPT cable glands.

16 Report Number

Baseefa Report GB/BAS/ExTR10.0149/00

17 Special Conditions for Safe Use

1. The permitted service temperature range is -60°C to +100°C

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
ABT20089	---	C	30/06/10	Certification marking

Drawing held on IECEx BAS 09.0089X

SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0187X/2**
- 4 Equipment or Protective System: **ASG XXX Range of Cable Glands**
- 5 Is held by: **Abtech Limited**
- 6 Address: **Sanderson Street, Lower Don Valley, Sheffield, S9 2UA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa09ATEX0187X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **6376**

Project File No. **13/0306**

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SGS Baseefa Limited

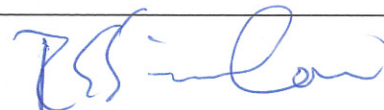
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R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa09ATEX0187X/2**

15 **Description of the variation to the Equipment or Protective System**

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.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR13.0161/00

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
ABT20089	--	D	19/09/13	Certification Marking

Drawing held on IECEx BAS 09.0089X