



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa09ATEX0188X**

4 Equipment or Protective System: **ABAD and ABRE Range of Thread Adaptors & Reducers**

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: 2003, IEC 61241-0: 2006, 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 :

**⊕ II 2GD Ex d IIC Ex e II Ex tD A21 IP66**

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**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)

Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

  
R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa



13

## Schedule

14

Certificate Number Baseefa09ATEX0188X

### 15 Description of Equipment or Protective System

#### A Range of Thread Adaptors & Reducers

The ABAD range of thread adaptors and ABRE range of thread reducers are manufactured in nickel plated brass and may be supplied in metric or NPT threadforms. The internal and external thread sizes may vary between M16 and M85 (or NPT equivalent) with the female thread being either smaller, or up to three sizes larger, than the male.

### 16 Report Number

GB/BAS/ExTR09.0126/00

### 17 Special Conditions for Safe Use

1. If the adapters are intended for use with increased safety (Ex e) or dust tight (Ex tD) enclosures, the threads should be sealed to maintain an IP 54 or IP6X respectively in accordance with EN 60079-14.
2. Only one thread adaptor is permitted for each cable entry, blanking elements shall not be used with adaptors.

### 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
ABT20088	A	02/07/09	Certification marking – ABAD adaptors & reducers
Baseefa08ATEX0019X	--	28/01/08	A Range of Thread Adaptors & Reducers



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0188X/1**

4 Equipment or Protective System: **ABAD and ABRE Range of Thread Adaptors & Reducers.**

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. **Baseefa09ATEX0188X** 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.

8 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

- EN60079-0: 2012                      EN60079-1: 2007                      EN60079-7: 2007                      EN60079-31: 2009**

except in respect of those requirements listed at item 18 of the Schedule.”

9 The marking of the equipment has changed from the original Certificate and shall include the following:

**⊕ II 2GD Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66**

or the alternative form

**Ex db IIC Ex eb IIC Ex tb IIIC IP66**

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **6376**

Project File No. **13/0306**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company’s findings at the time of its intervention only and within the limits of Client’s instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company’s sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**SGS Baseefa Limited**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

**R S SINCLAIR  
GENERAL MANAGER**

On behalf of SGS Baseefa Limited

13

## Schedule

14

Certificate Number Baseefa09ATEX0187X/1

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

#### Variation 2.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN60079-0: 2012, EN60079-1: 2007, EN60079-7: 2007 and EN60079-31: 2009 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment other than the product marking. The product will now be marked as shown in point 9 above.

#### Variation 2.2

Extension of the adaptor/reducer size range to include M90 and M100 threads, together with their NPT equivalents (3/2" and 4").

#### Variation 2.3

The introduction of Metric to NPT and NPT to Metric threaded devices.

#### Variation 2.4

The introduction of aluminium alloy and stainless steel as alternative materials of manufacture.

#### Variation 2.5

Amendment of the size marking format such that the male thread size now precedes the female thread size.

### 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	Issue	Date	Description
ABT20088	C	19/09/13	Certification marking – ABAD adaptors & ABRE reducers

Drawing held on IECEx BAS 09.0090X