



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: **Baseefa08ATEX0019X**

4 Equipment or Protective System: **A Range of Thread Adaptors & Reducers**

5 Manufacturer: **Dong A Bestech Company Limited**

6 Address: **272-15 Dodang-Dong, Wonmi-Gu, Buchon, Kyunggi-do, 420-130 Korea**

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 (2001) Ltd., 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/ExTR 08.0024/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0: 2006**                      **EN 61241-0: 2006**  
**EN 60079-1: 2004**                      **EN 61241-1: 2004**  
**EN 60079-7: 2003**

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. **5402**

Project File No. **07/0658**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

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Baseefa is a trading name of Baseefa (2001) Ltd  
Registered in England No. 4305578 at the above address

**R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa (2001) Ltd.



13

## Schedule

14

Certificate Number Baseefa08ATEX0019X

### 15 Description of Equipment or Protective System

The thread adaptors 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

Baseefa Confidential Report GB/BAS/ExTR 08.0024/00

### 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 IEC60079-14.
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
BAS-CG07-DAAD-M0000-1	-	07.06.12	General Arrangement, Adaptors, Metric
BAS-CG07-DAAD-M2016	-	07.06.12	Adaptor M20-M16
BAS-CG07-DAAD-M2516	-	07.06.12	Adaptor M25-M16
BAS-CG07-DAAD-M2520	-	07.06.12	Adaptor M25-M20
BAS-CG07-DAAD-M3216	-	07.06.12	Adaptor M32-M16
BAS-CG07-DAAD-M3220	-	07.06.12	Adaptor M32-M20
BAS-CG07-DAAD-M3225	-	07.06.12	Adaptor M32-M25
BAS-CG07-DAAD-M4020	-	07.06.12	Adaptor M40-M20
BAS-CG07-DAAD-M4025	-	07.06.12	Adaptor M40-M25
BAS-CG07-DAAD-M4032	-	07.06.12	Adaptor M40-M32
BAS-CG07-DAAD-M5025	-	07.06.12	Adaptor M50-M25
BAS-CG07-DAAD-M5032	-	07.06.12	Adaptor M50-M32
BAS-CG07-DAAD-M5040	-	07.06.12	Adaptor M50-M40
BAS-CG07-DAAD-M6332	-	07.06.12	Adaptor M63-M32
BAS-CG07-DAAD-M6340	-	07.06.12	Adaptor M63-M40
BAS-CG07-DAAD-M6350	-	07.06.12	Adaptor M63-M50
BAS-CG07-DAAD-M7540	-	07.06.12	Adaptor M75-M40
BAS-CG07-DAAD-M7550	-	07.06.12	Adaptor M75-M50
BAS-CG07-DAAD-M7563	-	07.06.12	Adaptor M75-M63
BAS-CG07-DAAD-M8550	-	07.06.12	Adaptor M85-M50
BAS-CG07-DAAD-M8563	-	07.06.12	Adaptor M85-M63
BAS-CG07-DAAD-M8575	-	07.06.12	Adaptor M85-M75
BAS-CG07-DAAD-N0000-1	-	07.06.12	General Arrangement, Adaptors, NPT
BAS-CG07-DAAD-N3412	-	07.06.12	Adaptor 3/4"NPT-1/2"NPT
BAS-CG07-DAAD-N112	-	07.06.12	Adaptor 1"NPT-1/2"NPT
BAS-CG07-DAAD-N134	-	07.06.12	Adaptor 1"NPT-3/4"NPT
BAS-CG07-DAAD-N11434	-	07.06.12	Adaptor 1 1/4"NPT-3/4"NPT
S-CG07-DAAD-N1141	-	07.06.12	Adaptor 1 1/4"NPT-1"NPT



Number	Issue	Date	Description
BAS-CG07-DAAD-N1121	-	07.06.12	Adaptor 1 1/2"NPT-1"NPT
BAS-CG07-DAAD-N112114	-	07.06.12	Adaptor 1 1/2"NPT-1 1/4"NPT
BAS-CG07-DAAD-N2114	-	07.06.12	Adaptor 2"NPT-1 1/4"NPT
BAS-CG07-DAAD-N2112	-	07.06.12	Adaptor 2"NPT-1 1/2"NPT
BAS-CG07-DAAD-N212112	-	07.06.12	Adaptor 2 1/2"NPT-1 1/2"NPT
BAS-CG07-DAAD-N2122	-	07.06.12	Adaptor 2 1/2"NPT-2"NPT
BAS-CG07-DAAD-N32	-	07.06.12	Adaptor 3"NPT-2"NPT
BAS-CG07-DAAD-N3212	-	07.06.12	Adaptor 3"NPT-2 1/2"NPT
BAS-CG07-DAAD-N4212	-	07.06.12	Adaptor 4"NPT-2 1/2"NPT
BAS-CG07-DAAD-N43	-	07.06.12	Adaptor 4"NPT-3"NPT
BAS-CG07-DARE-M000	-	07.06.12	General Arrangement, Reducers, Metric
BAS-CG07-DARE-M1625	-	07.06.12	Reducer M16-M25
BAS-CG07-DARE-M1632	-	07.06.12	Reducer M16-M32
BAS-CG07-DARE-M2025	-	07.06.12	Reducer M20-M25
BAS-CG07-DARE-M2032	-	07.06.12	Reducer M20-M32
BAS-CG07-DARE-M2040	-	07.06.12	Reducer M20-M40
BAS-CG07-DARE-M2532	-	07.06.12	Reducer M25-M32
BAS-CG07-DARE-M2540	-	07.06.12	Reducer M25-M40
BAS-CG07-DARE-M2550	-	07.06.12	Reducer M25-M50
BAS-CG07-DARE-M3240	-	07.06.12	Reducer M32-M40
BAS-CG07-DARE-M3250	-	07.06.12	Reducer M32-M50
BAS-CG07-DARE-M3263	-	07.06.12	Reducer M32-M63
BAS-CG07-DARE-M4050	-	07.06.12	Reducer M40-M50
BAS-CG07-DARE-M4063	-	07.06.12	Reducer M40-M63
BAS-CG07-DARE-M4075	-	07.06.12	Reducer M40-M75
BAS-CG07-DARE-M5063	-	07.06.12	Reducer M50-M63
BAS-CG07-DARE-M5075	-	07.06.12	Reducer M50-M75
BAS-CG07-DARE-M5085	-	07.06.12	Reducer M50-M85
BAS-CG07-DARE-M6375	-	07.06.12	Reducer M63-M75
BAS-CG07-DARE-M6385	-	07.06.12	Reducer M63-M85
BAS-CG07-DARE-M7585	-	07.06.12	Reducer M75-M85
BAS-CG07-DARE-N000	-	07.06.12	General Arrangement, Reducers, NPT
BAS-CG07-DARE-N1234	-	07.06.12	Reducer 1/2"NPT-3/4"NPT
BAS-CG07-DARE-N121	-	07.06.12	Reducer 1/2"NPT-1"NPT
BAS-CG07-DARE-N12114	-	07.06.12	Reducer 1/2"NPT-1 1/4"NPT
BAS-CG07-DARE-N341	-	07.06.12	Reducer 3/4"NPT-1"NPT
BAS-CG07-DARE-N34114	-	07.06.12	Reducer 3/4"NPT-1 1/4"NPT
BAS-CG07-DARE-N34112	-	07.06.12	Reducer 3/4"NPT-1 1/2"NPT
BAS-CG07-DARE-N1114	-	07.06.12	Reducer 1"NPT-1 1/4"NPT
BAS-CG07-DARE-N1112	-	07.06.12	Reducer 1"NPT-1 1/2"NPT
BAS-CG07-DARE-N12	-	07.06.12	Reducer 1"NPT-2"NPT
BAS-CG07-DARE-N114112	-	07.06.12	Reducer 1 1/4"NPT-1 1/2"NPT
BAS-CG07-DARE-N1142	-	07.06.12	Reducer 1 1/4"NPT-2"NPT
BAS-CG07-DARE-N114212	-	07.06.12	Reducer 1 1/4"NPT-2 1/2"NPT
BAS-CG07-DARE-N1122	-	07.06.12	Reducer 1 1/2"NPT-2"NPT
BAS-CG07-DARE-N112212	-	07.06.12	Reducer 1 1/2"NPT-2 1/2"NPT
BAS-CG07-DARE-N1123	-	07.06.12	Reducer 1 1/2"NPT-3"NPT
BAS-CG07-DARE-N2212	-	07.06.12	Reducer 2"NPT-2 1/2"NPT
BAS-CG07-DARE-N23	-	07.06.12	Reducer 2"NPT-3"NPT
BAS-CG07-DARE-N24	-	07.06.12	Reducer 2"NPT-4"NPT
BAS-CG07-DARE-N2123	-	07.06.12	Reducer 2 1/2"NPT-3"NPT
BAS-CG07-DARE-N2124	-	07.06.12	Reducer 2 1/2"NPT-4"NPT
BAS-CG07-DARE-N34	-	07.06.12	Reducer 3"NPT-4"NPT



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: **Baseefa08ATEX0019X/1**
- 4 Equipment or Protective System: **A Range of Thread Adaptors & Reducers**
- 5 Manufacturer: **Dong A Bestech Company Limited**
- 6 Address: **13-16, Samjeong-Dong, Ojeong-Ku, Bucheon-City,  
Kyung Gi-Do, Republic of Korea**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa08ATEX0019X** 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. **5402**

Project File No. **09/0842**

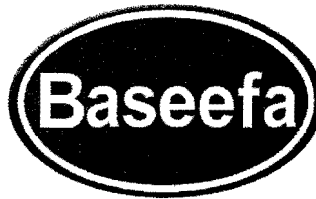
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**Baseefa**

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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.

A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa



13

## Schedule

14

Certificate Number Baseefa08ATEX0019X/1

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

#### Variation 1.1

A review against the updated requirements of IEC 60079-0: 2011, EN 60079-1: 2007 and EN 60079-7: 2007, together with an assessment against the requirements of EN 60079-31:2009 for dust hazards (superseding EN 61241-0 and EN 61241-1).

The unit may be marked with the following amended coding:-

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

#### Variation 1.2

Extension of the adaptor/reducer size range to include M90 and M100 threads, together with their NPT equivalents (3½" and 4").

#### Variation 1.3

Introduction of Metric to NPT and NPT to Metric threaded devices.

#### Variation 1.4

Introduction of aluminium alloy and stainless steel as alternative materials of manufacture.

#### Variation 1.5

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

#### Variation 1.6

A reduction in the number of certified drawings, together with a change of format.

### 16 Report Number

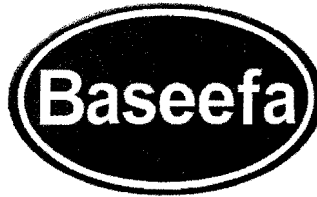
Baseefa Certification Report GB/BAS/ExTR12.0109/00

### 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.



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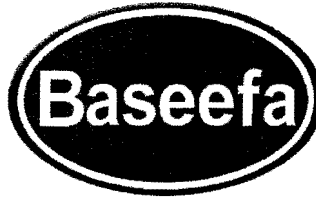
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**19 Drawings and Documents**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
BSA-CG10-DAAD-M00M00-1-1	1	10.02.19	General Arrangement, Adaptor, Metric/Metric
BSA-CG10-DAAD-M00N00-1-2	1	10.02.19	General Arrangement, Adaptor, Metric/NPT
BSA-CG10-DAAD-N00N00-1-3	1	10.02.19	General Arrangement, Adaptor, NPT/NPT
BSA-CG10-DAAD-N00M00-1-4	1	10.02.19	General Arrangement, Adaptor, NPT/Metric
BSA-CG10-DARE-M00M00-1-1	1	10.02.19	General Arrangement, Reducer, Metric/Metric
BSA-CG10-DARE-M00N00-1-2	1	10.02.19	General Arrangement, Reducer, Metric/NPT
BSA-CG10-DARE-N00N00-1-3	1	10.02.19	General Arrangement, Reducer, NPT/NPT
BSA-CG10-DARE-N00M00-1-4	1	10.02.19	General Arrangement, Reducer, NPT/Metric

These drawings supersede all of the drawings previously listed, which are now deemed obsolete.

These drawings are common to, and are held with, IECEx BAS 08.0008X



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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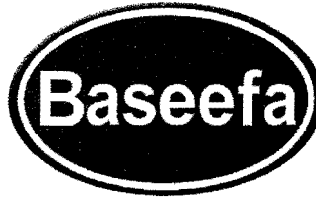
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Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa



13

## Schedule

14

Certificate Number Baseefa08ATEX0019X/1

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

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or the alternative form  
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#### Variation 1.2

Extension of the adaptor/reducer size range to include M90 and M100 threads, together with their NPT equivalents (3½" and 4").

#### Variation 1.3

Introduction of Metric to NPT and NPT to Metric threaded devices.

#### Variation 1.4

Introduction of aluminium alloy and stainless steel as alternative materials of manufacture.

#### Variation 1.5

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

#### Variation 1.6

A reduction in the number of certified drawings, together with a change of format.

### 16 Report Number

Baseefa Certification Report GB/BAS/ExTR12.0109/00

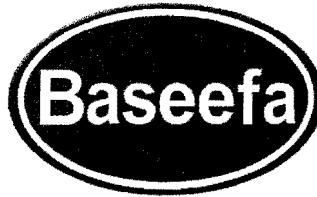
### 17 Specific Conditions of Use

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.





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**19 Drawings and Documents**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
BSA-CG10-DAAD-M00M00-1-1	1	10.02.19	General Arrangement, Adaptor, Metric/Metric
BSA-CG10-DAAD-M00N00-1-2	1	10.02.19	General Arrangement, Adaptor, Metric/NPT
BSA-CG10-DAAD-N00N00-1-3	1	10.02.19	General Arrangement, Adaptor, NPT/NPT
BSA-CG10-DAAD-N00M00-1-4	1	10.02.19	General Arrangement, Adaptor, NPT/Metric
BSA-CG10-DARE-M00M00-1-1	1	10.02.19	General Arrangement, Reducer, Metric/Metric
BSA-CG10-DARE-M00N00-1-2	1	10.02.19	General Arrangement, Reducer, Metric/NPT
BSA-CG10-DARE-N00N00-1-3	1	10.02.19	General Arrangement, Reducer, NPT/NPT
BSA-CG10-DARE-N00M00-1-4	1	10.02.19	General Arrangement, Reducer, NPT/Metric

These drawings supersede all of the drawings previously listed, which are now deemed obsolete.

These drawings are common to, and are held with, IECEx BAS 08.0008X