



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: **Baseefa06ATEX0057X**

4 Equipment or Protective System: **Type 501/453UNIV Cable Glands**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

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 06.0012/00**

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

EN60079-0: 2004, EN60079-1: 2004, EN60079-7: 2003 + Amendment 1, IEC61241-0: 2004, IEC61241-1: 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 (- 60°C ≤ ta ≤ + 80°C)

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

Baseefa Customer Reference No. **0500**

Project File No. **04/0382**

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.

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

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



13

Schedule

14

Certificate Number Baseefa06ATEX0057X

15 Description of Equipment or Protective System

The Type 501/453 Universal Cable Gland may be manufactured in brass, stainless steel or aluminium and is intended for use with an effectively filled and circular armoured or braided cable and comprises the following components:

- a. An entry component, in the size range Os to F (M16 to M75)
- b. A combined silicone inner seal, polymer support ring and metallic armour clamping cone.
- c. A reversible armour clamping ring.
- d. A middle nut.
- e. An outer seal assembly (sleeve seal and support ring).
- f. A back nut.
- g. An optional earth continuity device for use with metallic inner sheathed cables

These glands may be supplied with specified alternative entry thread forms

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 06.0012/00

17 Special Conditions for Safe Use

1. These glands are suitable for use within an operating temperature range of -60°C to $+80^{\circ}\text{C}$.
2. When the gland is used for increased safety or dust protection, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure
3. Glands for use with braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting

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
501/453 UNIV	F	26/11/04	G. A., Type 501/453 Universal Cable Gland

This drawing are common to BAS IECEx 05.0014X and is controlled on and held with GB/BAS/ExTR 06.0012/00



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: **Baseefa06ATEX0057X/1**
- 4 Equipment or Protective System: **Type 501/453UNIV Cable Glands**
- 5 Manufacturer: **Hawke International, A Division of Hubbell Limited**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0057X** 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.

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Baseefa Customer Reference No. **0500**

Project File No. **08/0234**

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PP R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa06ATEX0057X/1

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

Variation 1.1

The introduction an alternative diaphragm assembly.

16 **Report Number**

Baseefa Confidential Report No. UK/BAS/04/0259/03

17 **Special Conditions for Safe 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
501/453 UNIV	G	14/09/07	General Arrangement, Type 501/453 Universal Cable Gland

This drawing is common to, and held with, IECEx BAS 06.0014X



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: **Baseefa06ATEX0057X/2**

4 Equipment or Protective System: **Type 501/453 UNIV Cable Gland**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0057X 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.

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Baseefa Customer Reference No. 0500

Project File No. 07/0769

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa06ATEX0057X/2

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

Variation 2.1

To allow the use of a modified entry component 3256 and an alternative middle nut 3257 on glands sizes Os to F, and a modified 3041 RAC clamping ring on the gland sizes Os/O and A.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR008.0172/00

17 **Special Conditions for Safe 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
501/453 UNIV	G	14/09/07	G.A of 501/453 Universal Cable Gland

This drawing is common to IECEx BAS 06.0014X and is held with that certificate



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: **Baseefa06ATEX0057X/3**
- 4 Equipment or Protective System: **501/453 Universal Cable Gland**
- 5 Manufacturer: **HAWKE International**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0057X 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.

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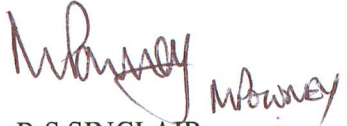
Baseefa Customer Reference No. **0500**

Project File No. **09/0174**

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DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa06ATEX0057X/3

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

Variation 1.1

To record changes in the sealing sizes of the Os size cable gland

16 **Report Number**

Baseefa Certification Report GB/BAS/Ex ExTR09/0164/00 held with IECEX BAS 06.0014X.

17 **Special Conditions for Safe 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
501/453 UNIV	H	12/08/09	G.A. 501/453 Universal Cable Gland

This drawing is common to IECEX BAS 06.0014X and Baseefa09ATEX0233X and is held with the former.



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: **Baseefa06ATEX0057X/4**

4 Equipment or Protective System: **501/453 Universal Cable Gland**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0057X 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.

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Baseefa Customer Reference No. **0500**

Project File No. **09/0882**

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.

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

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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Certificate Number Baseefa06ATEX0558X/4

15 Description of the variation to the Equipment or Protective System

Variant 4.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-1: 2007 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR09.0247/00

17 Special Conditions for Safe 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
501/453 UNIV	J	10/12/09	501/453 Universal Gland - GA Drawing

The above drawing is common to, and held with, IECEx BAS 06.0014X