



## 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 : **BAS01ATEX2296X**

4 Equipment or Protective System: **TYPE 501/453 OVERSIZE CABLE GLAND**

5 Manufacturer: **HAWKE INTERNATIONAL  
(a Trading Name of Hawke Cable Glands Ltd)**

6 Address: **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 The Electrical Equipment Certification Service, notified body number 600 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 N°

**BASEEFA Certification Report No. 01(C)0782 dated 21 January 2002**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014: 1997 + Amds 1 & 2 EN 50018: 2000 EN 50019: 2000 EN 50281-1-1: 1998**  
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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

12 The marking of the equipment or protective system shall include the following:-

**II 2 GD EEx d IIC EEx e II IP66**

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

File No: EECS 0500/01/056

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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**I M CLEARE  
DIRECTOR  
28 January 2002**



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**Schedule**

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2296X**

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**Description of Equipment or Protective System**

The Type 501/453 Oversize Cable Gland may be manufactured in brass, aluminium or stainless steel and is intended for use with an effectively filled and circular armoured or braided cable. This gland may be produced in the sizes range G, H & J, i.e. with an entry thread size of M80, M90 & M100, or equivalent sizes in imperial conduit, BSPP, BSPT, NPT or NPSM threadforms. The Type 501/453 Oversize Cable Gland comprises the following components:-

- a. An entry component
- b. A compressible sealing ring
- c. A combined compression spigot and armour clamping cone
- d. A dedicated armour, or braid, clamping ring
- e. A middle nut
- f. An outer seal
- g. A back nut
- h. An optional earth continuity device for use with metallic inner sheathed cables.

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**Report No.**

BASEEFA Certification Report No. 01(C)0782

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**Special Conditions For Safe Use**

1. These glands are not suitable for use with group IIC flameproof enclosures with a volume greater than 2000cc.
2. These glands are suitable for use within an operating temperature range of -60°C to +80°C.
3. When the gland is used for increased safety and/or dust protection, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.
4. When used with unarmoured or braided cable, these glands are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.

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**Essential Health and Safety Requirements**

Essential Health and Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	BASEEFA Report No. 01(C)0782
1.0.3	Special checking and maintenance conditions	No special requirements
1.2.2	Components for incorporation or replacement	BASEEFA Report No. 01(C)0782
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 01(C)0782
2.1.	Category 1	Not applicable



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Schedule

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2296X**

Essential Health and Safety Requirements not covered by Standards listed at (9)

Clause	Subject	Compliance
2.2.1	Category 2G	BASEEFA Report No. 01(C)0782
2.2.2	Category 2D	BASEEFA Report No. 01(C)0782
2.3.	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

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**DRAWINGS**

Number	Issue	Date	Description
501/453 Dedicated (G to J)	A	02/05/01	G. A., Type 501/453 Oversize Cable Gland

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BASEEFA List Keywords  
2CABLEGL



**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: BAS01ATEX2296X/1**
- 4 Equipment or Protective System: TYPE 501/453 OVERSIZE 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. BAS01ATEX2296X 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.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

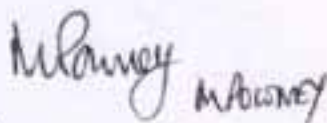
Baseefa (2001) Ltd. Customer Reference No. 0500

Project File No. 04/0259

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 (2001) Ltd.**

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



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## Schedule

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Certificate Number BAS01ATEX2296X/1

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

#### Variation 1.1

Clarification of the operating temperature range by amendment to Special Condition No.2

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### Report Number

None

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### Special Conditions for Safe Use

Conditions as original certificate, except:-

2. These glands are suitable for use within an operating temperature range of  $-60^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ .

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### Essential Health and Safety Requirements

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

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### Drawings and Documents

None.