



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: **Baseefa06ATEX0058X**
- 4 Equipment or Protective System: **A Range of Barrier Type 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 06.0013/00**
- 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. 04/0383

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.

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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 Baseefa06ATEX0058X

15 Description of Equipment or Protective System

Each of the following gland types may be manufactured in brass, stainless steel or aluminium and may be supplied with agreed alternative entry thread forms.

Variant 0.1 TYPE ICG 623 CABLE GLAND

The Type ICG 623 Cable Gland is intended for use with a circular unarmoured cable and comprises the following components:-

- a. An entry component, in the size range Os to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression spigot
- e. A middle nut
- f. A sealing ring
- g. A second compression spigot
- h. A back nut

Variant 0.2 TYPE ICG 653 UNIV CABLE GLAND

The Type ICG 653 Universal Cable Gland is intended for use with a circular armoured or braided cable and comprises the following components:-

- a. An entry component, in the size range Os to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A combined compression spigot and armour clamping cone
- e. A reversible armour clamping ring
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut
- i. An optional earth continuity device for use with metallic sheathed cables

Variant 0.3 TYPE ICG 653 CABLE GLAND

The Type ICG 653 Cable Gland is intended for use with a 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. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A combined compression spigot and armour clamping cone
- e. A dedicated armour, or braid, clamping ring
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut
- i. An optional earth continuity device for use with metallic sheathed cables

Variant 0.4 TYPE CSB 656 COMPOUND STOPPER GLAND

The Type CSB 656 Compound Stopper Gland is intended for use with a number of conductors enclosed within a conduit, or retained by a separate cable gland, and comprises the following components:-

- a. An entry component, in the size range A to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression assembly comprising a compression spigot with a female thread at the rear
- e. A dedicated back nut

Variant 0.5 TYPE ICG 659 FLEXIBLE CONDUIT CABLE GLAND

The Type ICG 653 Cable Gland is intended for use with a number of conductors enclosed within a flexible conduit and comprises the following components:-

- a. An entry component, in the size range M20 to M63
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A combined compression spigot and conduit grounding ferrule
- e. An outer clamping ring cup
- f. An elastomeric clamping ring
- g. A back nut

Variant 0.6 TYPE ICG 611 CABLE GLAND

The Type ICG 611 Cable Gland is intended for use with a circular metalclad jacketed cable and comprises the following components:-

- a. An entry component, in the size range A to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression spigot comprising:-
 - i. A locating spigot
 - ii. A collapsible metallic cladding clamp
 - iii. A compression ring
- e. A middle nut
- f. An outer seal assembly (sleeve seal and support ring)
- h. A back nut

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 06.0013/00

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, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure

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
ICG 623	F	03/10/05	G. A., Type ICG 623 Cable Gland
ICG 653 UNIVERSAL	F	03/10/05	G. A., Type ICG 653 UNIV Cable Gland
ICG 653 Dedicated	F	03/10/05	G. A., Type 501/653 Cable Gland (Os to F)
CSB 656	F	03/10/05	G. A., Type CSB 656 Compound Stopper Gland (Os to F)
ICG 659	F	03/10/05	G. A., Type ICG 659 Flexible Conduit Cable Gland
ICG 611	F	03/10/05	G. A., Type ICG 611 Cable Gland

These drawings are common to BAS IECEx 05.0015X and are controlled on and held with GB/BAS/ExTR 06.0013/00



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: **Baseefa06ATEX0058X/1**

4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**

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. **Baseefa06ATEX0058X** 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. **0500**

Project File No. **07/0055**

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Schedule

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Certificate Number Baseefa06ATEX0058X/1

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Description of the variation to the Equipment or Protective System

Variation 1.1

To allow the use of an alternative entry component and rear compression nut on the Type ICG 623 Cable Gland intended for use with unarmoured cable and comprises the following components:

- a. An alternative entry component, in the size range Os to F (M16 to M75)
- b. A compound pot
- c. A spigot
- d. An alternative body nut sizes Os to F
- e. An alternative rear compression nut in size range Os to F

The alternative rear compression nut can be readily interchanged with the existing certified components:-

Variation 1.2

To allow the use of an alternative entry component, and alternative spigot (body CSB) and integral rear compression nut on the Type CSB656 Conduit Stopping Gland intended for use with circular unarmoured cable enclosed within a conduit and comprises the following components:

- a. An alternative entry component, in the size range O to F (M16 to M75)
- b. A compound pot
- c. An alternative spigot with a female thread at the rear (body CSB) and integral alternative rear compression nut.

In this form the gland is designated a CSB 656N Conduit Stopping Gland nut

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 07.0019/00

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
ICG 623	G	22/01/07	G. A., Type ICG 623 Cable Gland
CSB 656N	G	22/01/07	G. A., Type CSB 656N Cable Gland

These Drawings are common to IECEx BAS 06.0015X and are held with that certificate