IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx BAS 06.0015X**	Issue No.: **0**
Status:	**Current**	
Date of Issue:	2006-08-07	Page **1** of **3**

Applicant:

Hawke International
A Division of Hubbell Ltd.
A member of the Hubbell Group of Companies
Oxford Street West, Ashton-under-Lyne
Lancashire, OL7 0NA
United Kingdom

Electrical Apparatus: **A Range of Barrier Type Cable Glands,**
Optional accessory:

Type of Protection: **Ex d, Ex e, Ex tD**

Marking: **Ex d IIC Ex e II Ex tD A21 IP66**
(- 60°C ≤ ta ≤ + 80°C)

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Managing Director

Signature:
(for printed version) RS Sinclair

Date: 7-8-06

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Baseefa (2001) Ltd.
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom

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Manufacturer:

Hawke International
A Division of Hubbell Ltd.
A member of the Hubbell Group of Companies
Oxford Street West
Ashton-under-Lyne
Lancashire
OL7 0NA
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture'rs quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR06.0013/00

Quality Assessment Report:

GB/BAS/QAR06.0061/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

A range of barrier type cable glands manufactured in brass, stainless steel or aluminium. Glands may be supplied with metric or approved non-metric equivalent thread forms. The cable retention method is specific to each gland type designation – see annex for detail.

CONDITIONS OF CERTIFICATION: YES as shown below:

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

Annexe: IECEx BAS 06.0015X.pdf

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