



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: **Baseefa02ATEX0175X**

4 Equipment or protective system: **TYPE 653/UNIV CABLE GLAND**

5 Manufacturer: **HAWKE CABLE GLANDS LTD**

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

7 This equipment 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. 02(C)0086/4

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

EN 50014: 1997 + Amendments 1 & 2 EN 50018: 2000 EN 50019: 2000

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 of 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 :

Ⓢ I M2 EEx d I EEx e I

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

Baseefa (2001) Ltd. Customer Reference No. 0500

Project File No. 02/0086

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.

Baseefa (2001) Ltd.

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Schedule

15 Description of Equipment or Protective System

The **Type 653/UNIV Cable Gland** may be manufactured in brass, steel or stainless steel and is intended for use with a circular armoured or braided cable. This gland may be produced in the size range 'O' to 'F', i.e. with an entry thread size in the range M20 to M75, or equivalent sizes in imperial conduit, Pg, BSPP, BSPT, NPT or NPSM threadforms. The Type 653/UNIV Cable Gland comprises the following components :-

- a. An entry component
- 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

16 Report No.

Baseefa Report No. 02(C)0086/4

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 these devices are used for increased safety applications the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
653 UNIV	A	4/11/02	General Arrangement - Type 653/UNIV Cable Gland