



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS01ATEX2074X**

Equipment or Protective System: **TYPE PSG 553 RAC CABLE GLAND**

Manufacturer: **HAWKE CABLE GLANDS LIMITED**

Address: **Ashton-under-Lyne, Lancashire, OL7 0NA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

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)0271/1 dated 16 August 2001

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.

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.

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.

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

Ex 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 0500/01/051

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.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244
Internet: www.hseefa.com e-mail: hseefa.info@hsl.gov.uk



I M CLEARE
DIRECTOR
24 August 2001



13 **Schedule**

14 **EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2074X**

15 **Description of Equipment or Protective System**

The **Type PSG 553 RAC Cable Gland** may be manufactured in brass, aluminium or stainless steel and is intended for use with a circular armoured or braided cable of unspecified construction. This gland may be produced in the size range A to C, i.e. with an entry thread size in the range M20 to M32, or equivalent sizes in imperial conduit, Pg, BSPP, BSPT, NPT or NPSM threadforms. The Type PSG 553 RAC Cable Gland comprises the following components -

- a. An entry component
- b. A compressible seal, punched to accept a number of individual conductors
- c. A combined compression spigot and armour clamping cone
- d. A reversible armour clamping ring
- e. A middle nut
- f. An outer seal assembly (sleeve seal and support ring)
- g. A back nut

16 **Report No.**

BASEEFA Certification Report No. 01(C)0271/1

17 **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 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.

18 **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)0271/1
1.0.3	Special checking and maintenance conditions	No special requirements
1.2.2	Components for incorporation or replacement	BASEEFA Report No. 01(C)0271/1
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 01(C)0271/1
2.1.	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 01(C)0271/1



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2074X

Clause	Subject	Compliance
2.2.2	Category 2D	BASEEFA Report No. 01(C)0271/1
2.3	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

19

DRAWING

Number	Issue	Date	Description
PSG 553 RAC	A	02/05/01	General Arrangement Type PSG 553 RAC Cable Gland

The detail drawing for each individual gland part referred to on the above general arrangement drawing is certified under Component Certificate BAS01ATEX2060U and held on EECS 0500/01/054.

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

BASEEFA List Keywords
2CABLEGL