



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: Sira 01ATEX1271X

4 Equipment: E1W and D1W Range of Cable Glands

5 Applicant: Peppers Cable Glands Ltd

6 Address: Stanhope Road  
Camberley  
Surrey  
GU15 3BY  
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number R53A8359A.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50014:1997 + amendments A1 and A2  
EN 50018:2000  
EN 50019:2000  
EN 50281-1-1:1998

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment 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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 GD  
EEx d IIC or EEx e II

Project Number 53A8359  
Date 06 February 2002  
C. Index 07

M D Shearman  
Certification Manager

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**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
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**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

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**13 DESCRIPTION OF EQUIPMENT**

The E1W and D1W ranges of cable glands are intended for use with SWA/Tape/Braid armoured cables. Each comprises a threaded entry body, elastomeric sealing ring, armour cone, clamp ring and compression cap. The entry body is available with an optional outer deluge seal or an integral earthing clamp. D1W glands have a single seal and the E1W glands have a double seal arrangement with compression cap to suit. Double seal arrangements have an additional skid washer between the compression cap and outer seal. There are four seal types available in Silicone, Neoprene, Conduct Neoprene or Lead. Each gland type is available with an optional earth clamp arrangement on the entry body.

Glands are available in the size range 16 to 100 mm with ISO metric entry threads of M20 to M100 respectively. Glands with lead seals are only available in sizes up to 50 mm. Alternative thread forms are available.

**14 DESCRIPTIVE DOCUMENTS**

14.1	Drawing No.	Rev.	Sheet	Date	Title
	PCG/ATX/E1W	1 to 2	1	15 Jan 02	ATEX range glands for armoured cable E1W & D1W family
	PCG/MATS/SB	1 of 1	1	20 Sep 01	Standard materials ATEX certified glands using "M", "V" and "N" components
	PCG/ETDMV	1 of 1	1	20 Sep 01	Standard thread chart ATEX certified glands using "M", "V" and "N" components
	PCG/ATX/1MIE	1 of 1	1	05 Nov 01	ATEX component entry body – Integral earth part 1MIE
	PCG/ATX/1M	1 of 1	1	22 Nov 01	ATEX component entry body parts 1M, 1M9
	PCG/STX/2M	1 of 1	1	26 Nov 01	ATEX component seal – parts 2MI, 2MIS, 2MIPB, 2MIC, 2MO, 2MOS, 2MOZS
	PCG/ATX/2M	1 of 1	1	19 Sep 01	ATEX component seal – parts 2MI, 2MIS, 2MIPB, 2MO, 2MOS, 2MOZS
	PCG/ATX/2MG	1 of 1	1	07 Nov 01	ATEX component seal – parts 2MIG
	PCG/ATX/2MT	1 of 1	1	05 Nov 01	ATEX component seal – deluge part 2MTRI
	PCG/ATX/3M	1 of 1	1	01 Mar 01	ATEX component cone parts 3M, 3MX
	PCG/ATX/4M	1 of 1	1	07 Nov 01	ATEX component cap part 4M
	PCG/ATX/5M	1 of 1	1	07 Nov 01	ATEX component middle cap part 5M
	PCG/ATX/6M	1 of 1	1	07 Nov 01	ATEX component outer cap part 6M
	PCG/ATX/10M	1 of 1	1	06 Nov 01	ATEX component clamp ring parts 10MW, 10MX, 10XX
	PCG/ATX/11M	1 of 1	1	07 Nov 01	ATEX component skid washer parts 11MI, 11MO
	PCG/ATX/16M	1 of 1	1	06 Nov 01	ATEX component integral earth clamp part 16M

14.2 Report No. R53A8359A

Date 06 February 2002

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**SCHEDULE**

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**15 SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

- 15.1 The E1W and D1W range of cable glands shall not be used with group EEx d IIC enclosures with a volume greater than 2000 cm<sup>3</sup>.
- 15.2 The E1W and D1W range of cable glands shall not be used in enclosures where the temperature, at the point of contact exceeds the following temperatures:
- 20°C to +80°C for the and lead neoprene seal variants
  - 60°C to +180°C for the Silicone seal variants
- 15.3 Cable glands fitted with an earth spigot body shall not be used with enclosures or thread adapters having a restricted entry or the minimum amount of connecting thread available, where the projecting spigot restricts the required amount of thread engagement.

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSR'S)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. R53A8359A.

**17 CONDITIONS OF CERTIFICATION**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of SCS Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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