

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

- [3] EC-Type Examination Certificate Number:** Nemko 02ATEX500X **Issue No.:** 3
- [4] Equipment or Protective System:** Armoured cable gland
- [5] Applicant / Manufacturer:** OSCG Co., Ltd.
[6] Address: #416-2, Samrak-Dong,
Sasang-Gu, Pusan
Korea
- [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] Nemko AS, notified body number 0470 in accordance with Article 9 of 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. 175674
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**
- EN 60079-0: 2006 / IEC 60079-0: 2004, EN 60079-1:2004 / IEC 60079-1: 2003,
EN 60079-7 :2007 / IEC 60079-7 :2006, EN 61241-0: 2006 / IEC61241-0: 2004,
EN 61241-1: 2004 / IEC61241-1: 2004
- [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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. 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 2 G Ex d IIC
Ex e II

II 2 D Ex tD A21 IP66/67

Oslo, 2011-05-24



p. p. Rolf Hoel
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No **Nemko 02ATEX500X Issue 3**

[15] Description of Equipment or Protective System

This certificate covers a range of cable glands made of brass or stainless steel, intended for use with circular armoured cables.

Type Designation/Technical Data

Type	Thread Type and Dimension	Min. diameter of inner sheet of cable (mm)	Max. diameter of inner sheet of cable (mm)	Min. diameter of outer sheet of cable (mm)	Max. diameter of outer sheet of cable (mm)
E1WF-16a	M16x1.5 or M20x1.5 or NPT 1/2"	5.0	8.0	8.0	13.0
E1WF-16b	M16x1.5 or M20x1.5 or NPT 1/2"	7.0	11.0	12.0	15.1
E1WF-20a	M20x1.5 or NPT 1/2" or NPT 3/4"	8.0	13.1	13.0	17.5
E1WF-20b	M20x1.5 or NPT 1/2" or NPT 3/4"	13.0	15.1	16.0	19.5
E1WF-25a	M25x1.5 or NPT 3/4" or NPT 1"	13.0	17.5	17.5	22.0
E1WF-25b	M25x1.5 or NPT 3/4" or NPT 1"	17.0	19.5	21.0	26.0
E1WF-32a	M32x1.5 or NPT 1" or NPT 1 1/4"	17.5	22.5	22.0	28.0
E1WF-32b	M32x1.5 or NPT 1" or NPT 1 1/4"	22.0	26.0	27.0	32.0
E1WF-40a	M40x1.5 or NPT 1 1/4" or NPT 1 1/2"	22.0	28.5	30.0	35.0
E1WF-40b	M40x1.5 or NPT 1 1/4" or NPT 1 1/2"	28.0	32.0	35.1	40.0
E1WF-50a	M50x1.5 or NPT 1 1/2" or NPT 2"	30.0	35.5	38.0	45.0
E1WF-50b	M50x1.5 or NPT 1 1/2" or NPT 2"	35.0	41.5	43.0	50.0
E1WF-63a	M63x1.5 or NPT 2" or NPT 2 1/2"	38.0	45.5	48.0	53.0
E1WF-63b	M63x1.5 or NPT 2" or NPT 2 1/2"	45.0	50.5	51.0	56.0
E1WF-63c	M63x1.5 or NPT 2" or NPT 2 1/2"	49.0	54.0	55.0	60.0
E1WF-75a	M75x1.5 or NPT 2 1/2" or NPT 3"	49.0	56.0	56.0	62.0
E1WF-75b	M75x1.5 or NPT 2 1/2" or NPT 3"	55.0	60.0	62.1	66.0
E1WF-75c	M75x1.5 or NPT 2 1/2" or NPT 3"	59.0	62.0	66.1	70.0
E1WF-75d	M75x1.5 or NPT 2 1/2" or NPT 3"	61.0	66.0	68.0	75.0
E1WF-90a	M90x2.0 or NPT 3" or NPT 3 1/2"	63.0	70.0	74.0	83.0
E1WF-90b	M90x2.0 or NPT 3" or NPT 3 1/2"	68.0	77.0	82.0	90.0
E1WF-100a	M100x2.0 or NPT 3 1/2" or NPT 4"	73.1	80.0	89.0	94.0
E1WF-100b	M100x2.0 or NPT 3 1/2" or NPT 4"	80.0	85.0	93.0	98.0

Ingress Protection Code

IP66/67 according to EN 60529

[16] Report No. 175674

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Enterprise number:
NO 974404532

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2003-06-03	11048	Prime Certificate released
1	2003-08-21	11050	Certificate extended to include the code EEx e II
2	2006-08-18	66903	New model added
3	2011-05-24	175674	New standards and IP 66/67

Descriptive Documents

Name/Number	Rev.	Date	Title/Description	Sheets
E1VVECD1	1	2009-06-02	Armoured cable gland-Assemble	1
E1WECD2	1	2009-06-02	Armoured cable gland-Assemble	1
E1WECD3	1	2009-06-02	Armoured cable gland-Assemble	1
HUB11W	1	2009-06-02	Armoured cable gland-1.Hub body	1
HUB12W	1	2009-06-02	Armoured cable gland-1.Hub body	1
HUB13W	1	2009-06-02	Armoured cable gland-1.Hub body	1
PACK21W	1	2009-06-02	Armoured cable gland-2.In packing	1
PACK22W	1	2009-06-02	Armoured cable gland-2.In packing	1
PACK23W	1	2009-06-02	Armoured cable gland-2.In packing	1
LAY31W	1	2009-06-02	Armoured cable gland-3.Lay braid	1
LAY32W	1	2009-06-02	Armoured cable gland-3.Lay braid	1
LAY33W	1	2009-06-02	Armoured cable gland-3.Lay braid	1
WARE41W	1	2009-06-02	Armoured cable gland-4.Wire braid	1
WARE42W	1	2009-06-02	Armoured cable gland-4.Wire braid	1
WARE43W	1	2009-06-02	Armoured cable gland-4.Wire braid	1
BODY51W	1	2009-06-02	Armoured cable gland-5.Middle body	1
BODY52W	1	2009-06-02	Armoured cable gland-5.Middle body	1
BODY53W	1	2009-06-02	Armoured cable gland-5.Middle body	1
WASH61W	1	2009-06-02	Armoured cable gland-6.Washer	1
WASH62W	1	2009-06-02	Armoured cable gland-6.Washer	1
WASH63W	1	2009-06-02	Armoured cable gland-6.Washer	1
PACK71W	1	2009-06-02	Armoured cable gland-7.Out packing	1
PACK72W	1	2009-06-02	Armoured cable gland-7.Out packing	1
PACK73W	1	2009-06-02	Armoured cable gland-7.Out packing	1
NUT81W	1	2009-06-02	Armoured cable gland-8.Coupler nut	1
NUT82W	1	2009-06-02	Armoured cable gland-8.Coupler nut	1
NUT83W	1	2009-06-02	Armoured cable gland-8.Coupler nut	1

[17] Special Conditions for Safe Use

1. The gasket is suitable for use within a service temperature range of -20°C to 120 °C.
2. The entry thread should be suitably sealed in order to maintain the IP rating.
3. Each cable gland accepts only one specified elastomeric sealing ring.

[18] Essential Health and Safety Requirements

See item 9

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