


[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 02ATEX501X** Issue No.:3
- [4] Equipment or Protective System: **Cable Entry With a Clamping Device**
- [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. 140642
- [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**

Oslo, 2011-01-11



Rolf Hoel
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 02ATEX501X Issue 3

[15] Description of Equipment or Protective System

This certificate covers a range of cable glands made of brass or stainless steel with electrometric sealing rings, intended for use with circular wire braided 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)
E1XF-16a	M16x1.5 or M20x1.5 or NPT ½"	5.0	8.0	8.0	13.0
E1XF-16b	M16x1.5 or M20x1.5 or NPT ½"	7.0	11.0	12.0	15.1
E1XF-20a	M20x1.5 or NPT ½" or NPT¾"	8.0	13.1	13.0	17.5
E1XF-20b	M20x1.5 or NPT ½" or NPT¾"	13.0	15.1	16.0	19.5
E1XF-25a	M25x1.5 or NPT ¾" or NPT 1"	13.0	17.5	17.5	22.0
E1XF-25b	M25x1.5 or NPT ¾" or NPT 1"	17.0	19.5	21.0	26.0
E1XF-32a	M32x1.5 or NPT 1" or NPT 1¼"	17.5	22.5	22.0	28.0
E1XF-32b	M32x1.5 or NPT 1" or NPT 1¼"	22.0	26.0	27.0	32.0
E1XF-40a	M40x1.5 or NPT 1¼" or NPT 1½"	22.0	28.5	30.0	35.0
E1XF-40b	M40x1.5 or NPT 1¼" or NPT 1½"	28.0	32.0	35.1	40.0
E1XF-50a	M50x1.5 or NPT 1½" or NPT 2"	30.0	35.5	38.0	45.0
E1XF-50b	M50x1.5 or NPT 1½" or NPT 2"	35.0	41.5	43.0	50.0
E1XF-63a	M63x1.5 or NPT 2" or NPT 2½"	38.0	45.5	48.0	53.0
E1XF-63b	M63x1.5 or NPT 2" or NPT 2½"	45.0	50.5	51.0	56.0
E1XF-63c	M63x1.5 or NPT 2" or NPT 2½"	49.0	53.5	55.0	60.0
E1XF-75a	M75x1.5 or NPT 2½" or NPT 3"	49.0	56.0	56.0	62.0
E1XF-75b	M75x1.5 or NPT 2½" or NPT 3"	55.0	60.0	62.1	66.0
E1XF-75c	M75x1.5 or NPT 2½" or NPT 3"	59.0	62.0	66.1	70.0
E1XF-75d	M75x1.5 or NPT 2½" or NPT 3"	61.0	66.0	68.0	75.0
E1XF-90a	M90x2.0 or NPT 3" or NPT 3½"	63.0	70.5	74.0	83.0
E1XF-90b	M90x2.0 or NPT 3" or NPT 3½"	68.0	77.0	82.0	90.0
E1XF-100a	M100x2.0 or NPT 3½" or NPT 4"	73.1	80.0	89.0	94.0
E1XF-100b	M100x2.0 or NPT 3½" or NPT 4"	79.0	85.0	93.0	98.0

Ingress Protection Code

IP66/67 according to EN 60529

[16] Report No. 140642

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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	2011-01-11	140642	New standards and model. IP 66/67

Descriptive Documents

Name/Number	Rev.	Date	Title/Description	Sheets
E1XFCD1	1	2008-06-02	Braided cable gland-Assemble	1
E1XFCD2	1	2008-06-02	Braided cable gland-Assemble	1
E1XFCD3	1	2008-06-02	Braided cable gland-Assemble	1
HUB11X	1	2008-06-02	Braided cable gland-1. Hub body	1
HUB12X	1	2008-06-02	Braided cable gland-1. Hub body	1
HUB13X	1	2008-06-02	Braided cable gland-1. Hub body	1
PACK21X	1	2008-06-02	Braided cable gland-2. In packing	1
PACK22X	1	2008-06-02	Braided cable gland-2. In packing	1
PACK23X	1	2008-06-02	Braided cable gland-2. In packing	1
LAY31X	1	2008-06-02	Braided cable gland-3. Lay braid	1
LAY32X	1	2008-06-02	Braided cable gland-3. Lay braid	1
LAY33X	1	2008-06-02	Braided cable gland-3. Lay braid	1
WARE41X	1	2008-06-02	Braided cable gland-4. Wire braid	1
WARE42X	1	2008-06-02	Braided cable gland-4. Wire braid	1
WARE43X	1	2008-06-02	Braided cable gland-4. Wire braid	1
BODY51X	1	2008-06-02	Braided cable gland-5. Middle body	1
BODY52X	1	2008-06-02	Braided cable gland-5. Middle body	1
BODY53X	1	2008-06-02	Braided cable gland-5. Middle body	1
WASH61X	1	2008-06-02	Braided cable gland-6. Washer	1
WASH62X	1	2008-06-02	Braided cable gland-6. Washer	1
WASH63X	1	2008-06-02	Braided cable gland-6. Washer	1
PACK71X	1	2008-06-02	Braided cable gland-7. Out packing	1
PACK72X	1	2008-06-02	Braided cable gland-7. Out packing	1
PACK73X	1	2008-06-02	Braided cable gland-7. Out packing	1
NUT81X	1	2008-06-02	Braided cable gland-8. Coupler nut	1
NUT82X	1	2008-06-02	Braided cable gland-8. Coupler nut	1
NUT83X	1	2008-06-02	Braided 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.

[18] Essential Health and Safety Requirements

See item 9

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