



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KOS 09.0004X** issue No.:1
Status: **Current**
Date of Issue: **2010-09-03** Page 1 of 4

Certificate history:
Issue No. 1 (2010-9-3)
Issue No. 0 (2009-3-20)

Applicant: **OSCG Co., Ltd.**
416-2 Samrak-Dong, Sasang-Gu, Busan(617-827)
Korea, Republic of

Electrical Apparatus: **Elbow**
Optional accessory:

Type of Protection: **Ex d, Ex e, Ex tD**

Marking: **Ex d IIC / Ex e II / Ex tD A21 IP66/67**

*Approved for issue on behalf of the IECEx
Certification Body:* Noh, Min-Ki

Position: President

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Korea Occupational Safety and Health Agency (KOSHA)
34-4 Kusan-dong
Pupyong-gu
Inchon 403-711
Korea, Republic of





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Manufacturer: **OSCG Co., Ltd.**
416-2 Samrak-Dong, Sasang-Gu, Busan(617-827)
Korea, Republic of

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[KR/KOS/ExTR09.0004/00](#)
[KR/KOS/ExTR09.0004/01](#)

Quality Assessment Report:

[KR/KOS/QAR09.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These elbow products provide a means of connection between cable entry and equipment or pipe having similar threads. It is name according to its threads size :OSAE-16/20/25/32/40/50/63/75/90.
Two type of threads are applied in these product : Metric / NPT. It is made of Brass or Stainless steel.

CONDITIONS OF CERTIFICATION: YES as shown below:

For the safe use of these adapter, the conditions of following should be observed.

1. The gasket is suitable for use within a service temperature range of -20 °C to 110 °C.
2. The entry thread should be suitably sealed in order to maintain the IP rating.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

This elbow products are mainly used for connecting conduit pipes which is linked together with a different angle. So it should not be attached directly to electrical devices. In order to clarify this usage, X marking should be applied.

The main purpose of this revision is including IP66. Refer to test report No. KOSHA 10.004-01/00 for the IP66 test result. Refer to test report No. KR/KOS/ExTR 09.0004/00 for the other test.

Reports for IEC 60079-0(2004. 4th), IEC 60079-7 (2006. 4th) and IEC 61241-1(2004. 1st) was revised for including IP66. Reports for IEC 60079-1(2003. 5th) and IEC 61241-0(2004. 1st) were not revised and referring to original version.