



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx CML 19.0044X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2019-06-04)

Status: **Current** Issue No: 1

Date of Issue: 2021-09-28

Applicant: **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)**  
Oxford Street West, Ashton under Lyne OL7 0NA  
United Kingdom

Equipment: **A Type 453 Universal Group I Cable Gland**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety**

Marking: Ex db I Mb  
Ex eb I Mb  
-60°C to +100°C

Approved for issue on behalf of the IECEx  
Certification Body:

**D R Stubbings BA MIET**

Position:

**Technical Director**

Signature:  
(for printed version)

Date:

**2021-09-28**

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Certificate issued by:

**Eurofins E&E CML Limited**  
Unit 1, Newport Business Park  
New Port Road  
Ellesmere Port, CH65 4LZ  
United Kingdom





# IECEx Certificate of Conformity

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Manufacturer: **Hawke International (A Division of Hubble Limited) (A Member of the Hubble group of companies)**  
Oxford Street West, Ashton under Lyne OL7 0NA  
**United Kingdom**

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[GB/CML/ExTR19.0096/00](#)

[GB/CML/ExTR21.0018/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0061/08](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Each of the following gland types may be manufactured in brass or stainless steel and may be supplied with agreed alternative entry thread forms.

Refer to certificate Annex for equipment description.

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

Refer to certificate Annex for conditions of use.



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

See certification Annex for details of change.

**Annex:**

[Certificate Annex IECEx CML 19.0044X Issue 1.pdf](#)

<b>Annexe to:</b>	IECEX CML 19.0044X Issue 1
<b>Applicant:</b>	Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)
<b>Apparatus:</b>	A Type 453 Universal Group I Cable Gland

## Description

Each of the following gland types may be manufactured in brass or stainless steel and may be supplied with agreed alternative entry thread forms.

The Type 453 Universal Cable Gland is intended for use with an effectively filled and circular armoured, steel basket weave armoured, unarmoured or braided (screened) cable and comprises the following components: -

- a) An entry component, in the size range Os to F (M16 to M75)
- b) A combined silicone inner seal, polymer support ring and metallic armour clamping cone.
- c) A reversible armour clamping ring.
- d) A middle nut.
- e) An outer seal assembly (sleeve seal and support cage).
- f) A back nut.

The cable glands in this form are rated for ingress protection IP66/67, IPX8 (sizes Os to C) – 10m/24 hours and IPX9.

### Variation 1

1. Update GA drawings.
2. Clarify the Ingress Protection IP ratings.
3. To review and update the cable glands against the latest standard.
4. To permit the update to gland sizes.
5. Update the marking.
6. To revise the equipment title.
7. To revise the product description.
8. To revise the specific conditions of use.

## Conditions of Manufacture

None

## Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. When the gland is used for increased safety protection, the entry thread shall be suitably sealed (in accordance with IEC 60079-14) to maintain the ingress protection rating of the associated enclosure. Not applicable when Hawke IP 66/67 seal is used.
- ii. Glands for use with unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.

Note: This specific condition of use is not applicable when the cable glands are fitted with rear clamping device.

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## Components covered by Ex Certificates issued to older editions of Standards

None