



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 CML 19.0042X Issue No: 0 Certificate history:
Issue No. 0 (2019-06-04)

Status: **Current**

Date of Issue: **2019-06-04** Page 1 of 3

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

Equipment: **A Range of Increased Safety Cable Glands**
Optional accessory:

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

Marking:
Ex eb IIC Gb
Ex tb IIIC Db
IP 66/67
-60°C to 80°C/100°C - See the specific condition of use

*Approved for issue on behalf of the IECEx
Certification Body:*

A C Smith

Position:

Technical Operations Director

*Signature:
(for printed version)*

Date:

2019-06-04

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*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:

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

Quality Assessment Report:

[GB/BAS/QAR06.0061/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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

Refer to Certification Annex for full description of the product.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The glands are suitable for use within an operating temperature range of -60°C to 80°C, (or 100°C for the gland types not using the iris type outer seal assembly).
2. When the gland is used for increased safety or dust 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.
3. Glands for use with conduit, 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.

Annex:

[Certificate Annex IECEx CML 19.0042X Issue 0.pdf](#)

Annexe to: IECEx CML 19.0042X Issue 0
Applicant: Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)
Apparatus: A Range of Increased Safety Cable Glands



Description:

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

Type 321 cable gland is intended for use with a circular unarmoured cable and comprises the following components: -

- a. An entry component, in the size range Os to L (M16 to M120)
- b. A compressible sealing ring
- c. A compression spigot
- d. A back nut
- e. An optional earth continuity device for use with metallic sheath cables

Type 321 cable gland with size 2K variant comprising of following specific components: -

- a. A dedicated entry component (M16)
- b. A compressible sealing ring
- c. A nylon skid washer
- d. A threaded compression spigot

Type 353 RAC cable gland is intended for use with a circular armoured or braided cable and comprises the following component: -

- a. An entry component, in the size range Os to F (M16 to M75)
- b. A compressible sealing ring
- c. A combined compression spigot and armour clamping cone
- d. A reversible armour clamping ring
- e. A middle nut
- f. An outer seal assembly (sleeve seal and support ring)
- g. A back nut
- h. An optional earth continuity device for use with metallic inner sheathed cables

Type 351 RAC cable gland is intended for use with a circular armoured or braided cable and comprises the following components: -

- a. An entry component, in the size ranges Os to F (M16 to M75)
- b. A combined locating spigot and armour clamping cone
- c. A reversible armour clamping ring
- d. Middle nut
- e. An outer seal assembly (sleeve seal and support ring)
- f. A back nut
- g. An optional earth continuity device for use with metallic inner sheathed cables

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Design options:

1. The usage of optional rear clamping device to specific cable glands for sizes Os to C2, in this form the gland is designated the letter "R" e.g. 351 R.

Conditions of Manufacture:

None