



EU Type Examination Certificate CML 19ATEX1166X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **A Type 453 Universal Group I Cable Gland**
- 3 Manufacturer **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)**
- 4 Address Oxford Street West,
Ashton-under-Lyne,
Lancashire, OL7 0NA
United Kingdom
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.

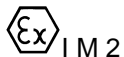
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2018

EN 60079-7:2015

EN 60079-1:2014

- 10 The equipment shall be marked with the following:



I M 2

Ex db I

Ex eb I

-60°C ta 80°C



CML 19ATEX1166X
Issue 0

11 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 or braided (screened) cable and comprises the following components: -

- a) An entry component, in the size range Os to F (M20 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 ring).
- f) A back nut.

The cable glands in this form are rated with ingress protection IP66.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04/06/2019	R11908A/00	The issue of prime certification.

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of manufacture

None

14 Specific Conditions of Use (Special Conditions)

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

- 14.1 These glands are suitable for use within an operating temperature range of -60°C to +80°C.
- 14.2 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.
- 14.3 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.



Certificate Annex

Certificate Number CML 19ATEX1166X Issue 0
Equipment A Type 453 Universal Group I Cable Gland
Manufacturer Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
453 UNIV X	1 of 1	A	04/06/2019	General Arrangement 453/UNIV