



1	Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU	
2	Equipment	A Range of Group I Cable Gland with Compression Type Seals – 453 RAC
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, Koopvaardijweg 32, 4906CV Oosterhout 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 IEC 60079-7:2015
+A1:2018

10 The equipment shall be marked with the following:



-60°C to +100°C





CML 19ATEX1165X
Issue 1

11 Description

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

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

- 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 cage)
- g) A back nut

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.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04 June 2019	R11908A/00	The issue of prime certification.
1	28 Sept 2021	R13593A/00	The introduction of variation 1. (UKEX)

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.

- 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.

Certificate Annex

Certificate Number CML 19ATEX1165X
Equipment A range of Group I Cable Gland with Compression Type Seals – 453 RAC
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 RAC X	1 of 1	A	04/06/2019	General Arrangement of Gland Type 453/RAC-X-Mining

Issue 1

	Drawing No.	Sheets	Rev	Approved /issued date	Title
01	320019	1 of 1	A	28-09-2021	453/RAC
a	320017*	1 of 1	A	28-09-2021	Compression seal entry
b	320018*	1 of 1	A	28-09-2021	Compression seal
c	320002**	1 of 1	A	28-09-2021	Armour Clamping Ring
d	320009**	1 of 1	A	28-09-2021	Middle nut
e	320003**	1 of 1	A	28-09-2021	Back nut seal
f	320010**	1 of 1	A	28-09-2021	Back nut
g	320011**	1 of 1	A	28-09-2021	Thread forms
h	320012**	1 of 1	A	28-09-2021	External clamp
*These drawing are common to: CML 19ATEX4507X and IECEx CML 21.0012X CML 19ATEX1165X and IECEx CML 19.0043X CML 19ATEX1167X and IECEx CML 19.0045X CML 19ATEX3164X and IECEx CML 19.0042X			**These drawings are common to: CML 18ATEX1268X and IECEx CML 18.0131X CML 19ATEX4507X and IECEx CML 21.0012X CML 19ATEX1166X and IECEx CML 19.0044X CML 19ATEX1167X and IECEx CML 19.0045X CML 19ATEX1169X and IECEx CML 19.0047X CML 19ATEX3164X and IECEx CML 19.0042X CML 19ATEX1170X and IECEx CML 19.0048X		