



# eurofins



Eurofins E&E CML Limited  
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Ellesmere Port  
CH65 4LZ  
UK

## Certificate of Assessment

## CML 15CA932

## Issue 5

- |   |   |  |  |
|---|---|--|--|
| 1 | Product   | <b>Range of Compression Seal, Diaphragm Seal, Hybrid Barrier Glands</b>  |  |
| 2 | Manufacturer  | <b>Hawke International (A Division of Hubbell Limited) (A member of the Hubbell group of companies)</b>  |  |
| 3 | Address   | Oxford Street West<br>Ashton Under Lyne<br>Lancashire<br>OL7 0NA<br>United Kingdom   |  |
| 4 | The products specified have been evaluated against the requirements of the standard specified in Section 6. |  |  |
| 5 | This evaluation is based on the following documents:<br>R932A, R12950A/00, R16051A/00, R17187A/00           |  |  |
| 6 | Specification:  | IEC 62444:2010, Ed 1<br>(Metric and NPT threads)   | BS EN 62444:2013<br>(Metric threads only)<br>BS 6121-1:2005<br>(150/RAC Only)  |
| 7 | Assessment  | This is to certify that, on the basis of the testing carried out, that the above model ranges of Cable Glands were considered to comply with the requirements listed in section 6. |  |
| 8 | Date:   | 14 December 2015<br>16 June 2016<br>19 August 2020<br>16 June 2020<br><br>25 May 2023<br><br>20 March 2024   | Issue 0<br>Issue 1 - Amended to include IP rating<br>Issue 2 - Typographic error corrected<br>Issue 3 - Introduction of 501/453 UNIV and ICG 653 UNIV Barrier and Diaphragm Seal Cable Glands and identity of Ex cable glands components vs industrial versions.<br>Issue 4 - Introduction of the APEX Range of Cable Glands, Ex equivalent cable glands, and the removal of obsolete cable glands. Update to conditions of manufacture and conditions of assessment.<br>Issue 5 - Introduction of the APEX A2e, APEX 413, and APEX 423 Range of Cable Glands, and to extend the cable acceptance range for the E1F* using an alternative seal design for sizes A-D. |
| 9 | Marking   | The glands are to be marked in accordance with the standards listed in section 6.  |  |

A C Smith  
Managing Director

**10 Description of Equipment**

Gland Type	Construction	Cable Types	Anchorage	Electrical Current	Impact	IP	COT
121	Single Sealing Ring Outer Sheath	Non-armoured & Braided	Type A+B	N/A		IP66/67	
501/421							
123	Double Sealing Ring Outer Sheath						
501/423							
141	Sealing Ring with Threaded Female Entry						
501/414							
150/RAC	No Sealing Ring Internal Clamping Ring	Non-armoured, Braided, Armoured, Tape	Type D	Cat B	Cat 8	N/A	-60°C to +100°C
151/RAC	Internal Clamping Ring Sealing Ring Outer Sheath						
153/RAC	Sealing Ring Inner Sheath Internal Clamping Ring Sealing Ring Outer Sheath						
501/453RAC						IP66/67	
153/UNIV	Diaphragm Inner Sheath Internal Clamping Ring Sealing Ring Outer Sheath					IP66/67/68/69	-60°C to +80°C
501/453 UNIV							
ICG 653 UNIV	Compound Barrier Around Conductors Internal Clamping Ring Sealing Ring Outer Sheath						
APEX A2F	Single Sealing Ring Outer Sheath	Non-armoured & Braided	Type A	N/A			
APEX A2e							
APEX 413							
APEX 423	Double Sealing Ring Outer Sheath						
APEX CUE	Internal Clamping Ring Sealing Ring Outer Sheath	Non-armoured, Braided, Armoured, Tape	Type D	Cat B	Cat 6	IP66/67	-60°C to +130°C
APEX CWe							
APEX CXe							
APEX E1FU	Sealing Ring Inner Sheath Internal Clamping Ring Sealing Ring Outer Sheath						
APEX E1FW							
APEX E1FX							

**11 Conditions of Certification / Manufacture**

- i. The manufacturer shall make a copy of the certificate and instructions available. The instructions must include relevant application information including, thread form, type / size of cables, etc

**12 Conditions of Assessment**

- i. The service temperature ranges as detailed in the above table are applicable to the washers and seals utilised to maintain the IP rating.
- ii. The cable glands shall be marked the information in section 9 as a minimum, the marking shall be done in a clear, legible, visible and indelible manner.