

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0057X**
4 Product: **476 Range of Adaptors and Reducers**
5 Manufacturer: **Hawke International**
6 Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies,
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **21(C)0033**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012: +A11: 2013 EN 60079-1: 2014 EN IEC 60079-7: 2015: +A1: 2018 EN 60079-31: 2014

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

⊕ II 2G Ex db IIC Gb

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb IIIC Db

See schedule for Mining marking

SGS Baseefa Customer Reference No. **0500**

Project File No. **21/0033**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail baseefa@sgs.com web site www.sgs.co.uk/sgsbaseefa

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65
3EN



0191



R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number BAS21UKEX0057X

15 Description of Product

The Type 476 range of thread adaptors and reducers is manufactured in brass, steel or stainless steel and comprises a hexagonal body with male and female coaxial threads. The combination of the thread forms and sizes are specified in the schedule drawings and the adaptors and reducers are marked 476A or 476R ('A' for adaptor or 'R' for reducer) together with the male and female thread form and size, e.g. 476A/M25/1"NPT.

The adaptors and reducers with male parallel threads may be fitted with an o-ring mounted in a groove in the face of the hexagon on the male thread side. The service temperatures for the adaptors and reducers are:-

No O ring: -60°C to +200°C

Nitrile O ring: -60°C to + 80°C

Silicone O ring: -60°C to +160°C

With o-ring fitted, the adaptors and reducers are IP66, on the parallel male thread side.

In this form they are marked:

⊕ II 2G Ex db IIC Gb

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb III C Db

⊕ I M2 Ex db I Mb

⊕ I M2 Ex eb I Mb

Variation 0.1

The adaptors and reducers may also be manufactured from aluminium for Group II gases and Group III dust applications only.

In this form they are marked:

⊕ II 2G Ex db IIC Gb

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb III C Db

16 Report Number

21(C)0033

17 Specific Conditions of Use

1. When the adaptors and reducers are used for increased safety or dust protection with no O Ring fitted the interface between the enclosure and the male thread and the female thread of the adaptor or reducer are to be suitably sealed (in accordance with EN 60079-14) to maintain the ingress protection rating of the associated enclosure.
2. When the adaptors or reducers are used for increased safety or dust protection in threaded hole and the O Ring is fitted the entry thread in the enclosure must be at right angles to the enclosure wall, the female thread of the adaptor or reducer are to be suitably sealed, in accordance with EN 60079-14, to maintain the ingress protection rating of the associated enclosure.
3. When the adaptors or reducers are used for increased safety or dust protection in a plain hole, the hole in the enclosure must be no greater than 0.7 mm greater than the male thread and the adaptor or reducer must be secured with a locknut the female thread of the adaptor or reducer are to be suitably sealed, in accordance with EN 60079-14, to maintain the ingress protection rating of the associated enclosure.

4. The adaptors or reducers when used in flameproof applications must not be closed with a flameproof stopping plug.
5. Anti-seize spray shall be applied to the adaptors and reducers manufactured from aluminium.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.4.1	External effects
1.4.2	Aggressive substances

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
476	1 to 3	E	08/06/21	476 Adaptors and Reducers

Baseefa11ATEX0067X
IECEX BAS 11.0037X