

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa11ATEX0067X – Issue 4**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

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, UK**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa11ATEX0067X to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, 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 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 Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0: 2018 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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 Fimko Oy Customer Reference No. **0500**

Project File No. **22/0214**

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Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

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Schedule

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Certificate Number Baseefa11ATEX0067X – Issue 4

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:

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

GB/BAS/ExTR22.0112/00

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

Updated drawings submitted for this issue of certificate:

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

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa11ATEX0067X, BAS21UKEX0057X and IECEx BAS 11.0037X, and held on the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0067X	11 March 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-7:2007 and EN 60079-31: 2009. This is documented in Report No. GB/BAS/ExTR11.0063/00.
Baseefa11ATEX0067X/1	24 January 2012	Variation 1.1: Updating of the equipment to meet the requirements of EN 60079-0: 2011 6th Edition Variation 1.2: To allow an increase in the size range of permitted threads from 5" to 6" for NPT, NPSM, BSPP and BSPT. Variation 1.3: To allow the introduction of two constructions for M25 to M20 Reducers. One of these constructions is limited to Group II and III only and is marked accordingly. Variation 1.4: To allow the introduction of a range of adaptors and reducers having male thread size equal to or smaller than M16 and equivalents, in this form the adaptors and reducers are limited to Group II and Group III only and are marked accordingly. This is documented in Report No. GB/BAS/ExTR11.0170/00.

Certificate No.	Date	Comments
Baseefa11ATEX0067X/2	17 February 2017	To assess and review the equipment against latest requirements of EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015 and EN 60079-31:2014. This is documented in Report No. GB/BAS/ExTR17.0022/00.
Baseefa11ATEX0067X/3	6 February 2020	Variation 3.1: To allow the 476 Range of Adaptors and Reducers to be manufactured in an alternative aluminium alloy for the metric, NPT and NPSM thread forms. Variation 3.2: To amend the description of the equipment, for clarification. This is documented in Report No. GB/BAS/ExTR19.0284/00.
Baseefa11ATEX0067X Issue 4	8 August 2022	Variation 4.1: This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-0: 2018 and EN IEC 60079-7: 2015: +A1: 2018. Variation 4.2: Marking modification to include associated UKEX information. The Ex marking code remains unchanged. This is documented in GB/BAS/ExTR22.0112/00.
For drawings applicable to each issue, see original of that issue.		