

EU - TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in an Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

EU - Type Examination Certificate Number: **Baseefa14ATEX0014U – Issue 3**

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.

Product: **494, 495, 496 Range of Elbow Adapters**

Manufacturer: **Hawke International**

Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies,
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA, UK**

This re-issued certificate extends EC Type Examination Certificate No. Baseefa14ATEX0014U 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.

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 the product, as modified by this supplementary certificate, 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.

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**

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.

The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

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.

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

SGS Baseefa Customer Reference No. **0500**

Project File No. **22/0214**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/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 their 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 Fimko Oy

Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi

Business ID 0978538-5 Member of the SGS Group (SGA SA)



Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

13

Schedule

14

Certificate Number Baseefa14ATEX0014U – Issue 3

15 Description of Product

The Range of elbow adapters comprising of any of the following sizes and thread types:

494 – Male to Female

495 – Male to Male

496 – Female to Female

Male and Female metric thread in the following sizes; M20, M25, M32, M40, M50, M63, M75

Male and Female imperial conduit in the following sizes; 5/8", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2"

Male and Female Pg in the following sizes; Pg.11, Pg.13.5, Pg.16, Pg.21, Pg.29, Pg.36, Pg.42

Male and Female BSPP in the following sizes; 1/2", 3/4", 1", 1 1/4", 1 1/2", 1 3/4", 2"

Male and Female NPSM in the following sizes; 1/2", 3/4", 1", 1 1/4", 1 1/2", 1 3/4", 2"

Male and Female NPT; 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

The material of construction is either self-coloured or nickel-plated brass, or Stainless Steel.

IP66 rated, only when suitable washers/o-rings are fitted, as provided by Hawke International.

16 Report Number

GB/BAS/ExTR22.0112/00

17 Schedule of Limitations

1. The fittings are components and when used with flameproof enclosures they must be assessed as part of the flameproof equipment. Unless further testing is conducted, the maximum reference pressure for the enclosure to which they are fitted must not exceed 30 bar.
2. Only one elbow may be used between the enclosure and the cable entry device.
3. When used with increased safety and or dust protected enclosures the threads must be sealed to provide the relevant ingress protection.
4. Where elbows are fitted to enclosures with plain holes the hole size must be no greater than 0.2mm bigger in diameter than the metric parallel thread.
5. Elbow adapters must be installed in accordance with EN 60079-14 and with the relevant protection concept.
6. If used with locknuts in flameproof applications it must be ensured that there are 5 full threads engaged and 8mm axial engagement between the enclosure and the elbow prior to the tightening of the locking nut.
7. Where NPT male fittings are used these must be installed such that the NPT male thread is fully wrenched tightened into the equipment.

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
494	1 of 1	D	12/05/21	90° Elbow Male to Female
495	1 of 1	D	12/05/21	90° Elbow Male to Male
496	1 of 1	D	12/05/21	90° Elbow Female to Female

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa14ATEX0014U, BAS21UKEX0055U and IECEx BAS 14.0002U, and held on the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa14ATEX0014U	12 February 2014	<p>The release of the prime certificate. The associated test and assessment against the requirements of EN60079-0:2012, EN60079-1:2007, EN60079-7:2006 and EN60079-31:2008.</p> <p>The marking was as follows:</p> <p>Ⓔ II 2GD Ex d IIC Ex e IIC Ex tb IIIC</p> <p>This is documented in Report No. GB/BAS/ExTR14.0012/00.</p>
Baseefa14ATEX0014U/1	5 January 2017	<p>To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015 and EN 60079-31:2014 in respect of differences from the standards to which this certificate was issued; none of these differences affect this equipment, other than the code marking requirements which have been addressed.</p> <p>The marking changed as follows:</p> <p>Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db IP66</p> <p>This is documented in Report No. GB/BAS/ExTR16.0322/00.</p>
Baseefa14ATEX0014U/2	15 September 2017	<p>Variation 2.1: To allow the introduction of an optional Male NPT thread across the size range.</p> <p>Variation 2.2: To allow for minor drawing alterations, which clarify the size range of the equipment.</p> <p>The description of the product was changed accordingly.</p> <p>This is documented in Report No. GB/BAS/ExTR17.0262/00.</p>
Baseefa14ATEX0014U Issue 3	8 August 2022	<p>Variation 3.1: 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</p> <p>Variation 3.2: Marking modification to include associated UKEX information.</p> <p>The Ex marking code remains unchanged.</p> <p>This is documented in GB/BAS/ExTR22.0112/00.</p>
For drawings applicable to each issue, see original of that issue.		