

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 **Baseefa10ATEX0262X – Issue 5**
Certificate Number:

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: **A Range of Stopping Plugs Type 475 and Type 477**

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. Baseefa10ATEX0262X 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 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 2D Ex tb IIIC Db**

 **I M2 Ex db I Mb**

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 Baseefa10ATEX0262X – Issue 5

15 Description of Product

The Type 475 and Type 477 Threaded Stopping Plugs comprise a solid plug of brass with an external thread form with a run out and a hexagon recess for tightening. The 475 range has the hexagon socket set into the face adjacent to the thread run out or the larger face in the case of the tapered threaded versions and the 477 range has the hexagon socket on the other end of the plug.

Both types may be manufactured from brass, steel or stainless steel or and have the following thread forms.

Thread Forms and size

Metric	Imperial conduit	PG	BSPP	NPT	NPSM
16	5/8"	11	3/8"		
20	3/4"	13.5	1/2"	1/2"	1/2"
25	1"	16	3/4"	3/4"	3/4"
32	1 1/4"	21	1"	1"	1"
40	1 1/2"	29	1 1/4"	1 1/4"	1 1/4"
50	2"	36	1 1/2"	1 1/2"	1 1/2"
63	2 1/2"	42	2"	2"	2"
75	3"	48	2 1/2"	2 1/2"	2 1/2"
80			3"	3"	3"
90			3 1/2"	3 1/2"	3 1/2"
100			4"	4"	4"
110			5"	5"	5"
120			6"	6"	6"
130					

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

In this form the stopping plugs are marked:

- ⊗ I M2 Ex db I Mb
- ⊗ II 2G Ex db IIC Gb
- ⊗ II 2D Ex tb IIC Db

Variation:

To allow the stopping plugs to be manufactured in aluminium, in this form the stopping plugs are marked

- ⊗ II 2G Ex db IIC Gb
- ⊗ II 2D Ex tb IIC Db

16 Report Number

GB/BAS/ExTR22.0112/00

17 Specific Conditions of Use

1. The stopping plugs must not be used with a thread adaptor/reducer in flameproof applications.
2. Anti-seize spray shall be applied to the stopping plugs 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
475	1 to 2	F	06/06/21	475 Exd Group I & Group II Stopping Plug
477	1 to 2	F	08/06/21	477 Exd Group I & Group II Stopping Plug

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa10ATEX0262X, BAS21UKEX0064X and IECEx BAS 10.0120X, and held on the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0262X	7 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 and EN 60079-31: 2009. This is documented in Report No. GB/BAS/ExTR10.0288/00.
Baseefa10ATEX0262X/1	14 November 2011	To allow the reduction in the hexagon socket dimension of the M16 fitting from 10mm A/F to 6mm A/F to allow for marking requirements. This is documented in Report No. GB/BAS/ExTR11.0287/00.
Baseefa10ATEX0262X/2	13 August 2012	Variation 2.1: To allow the reduction in the hexagon socket dimension of the M20 and ½” NPT fitting from 10mm A/F to 6mm A/F to allow for marking requirements. Variation 2.2: To allow increase in sizes of stopping plugs for metric, BSP and NPT threads forms up to M130 and 6 inch respectively. Variation 2.3: To allow the introduction of thread sizes 5/8” ET, Pg 11 and 3/8” BSP stopping plugs. This is documented in Report No. GB/BAS/ExTR12.0205/00.

Certificate No.	Date	Comments
Baseefa10ATEX0262X/3	18 March 2016	<p>Variation 3.1: The manufacturer requests a variation to allow the update of the stopping plugs Type 475 and 477 as listed on the above certificate, to comply with the latest edition of the following standards: EN 60079-0: 2012+A11: 2013, EN 60079-1: 2014 and EN 60079-31: 2014.</p> <p>Variation 3.2: To allow minor drawing changes and correction of marking.</p> <p>This is documented in Report No. GB/BAS/ExTR15.0281/00.</p>
Baseefa10ATEX0262X/4	6 February 2020	<p>Variation 4.1: To allow the range of stopping plugs type 475 and type 477 to be manufactured in an alternative aluminium alloy for the metric, NPT and NPSM thread forms. The marking code was updated to omit Group I when manufactured in aluminium.</p> <p>Variation 4.2: To allow the thread form NPSM to be included to the range of stopping plugs type 475 and type 477.</p> <p>Variation 4.3: To amend the description of the equipment, to include reference to the material of construction, thread forms and size.</p> <p>This is documented in Report No. GB/BAS/ExTR19.0284/00.</p>
Baseefa10ATEX0262X Issue 5	8 August 2022	<p>Variation 5.1: 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.</p> <p>Variation 5.2: 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.		