

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 **Baseefa11ATEX0157X – Issue 6**
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: **390 Increased Safety Stopping Plug**

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. Baseefa11ATEX0157X 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 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 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 Baseefa11ATEX0157X – Issue 6

15 Description of Product

The Type 390 Range of Stopping Plugs manufactured in brass, steel, stainless or aluminium is designed for the closure of unused entries in Exe and Ext enclosures. The range covers sizes with metric threads ranging from M16mm, to M130 other thread forms of equivalent sizes electrical conduit (ET), Pg, BSPP, NPT or NPSM may be used.

Each plug comprises a threaded portion 10mm to 15 mm long as a minimum, depending on the thread type and size, and a larger hexagonal head. The underside of the hexagonal head is machined with a groove into which can be fitted, a nitrile or silicone rubber o-ring to ensure efficient sealing to an associated enclosure. The O ring groove may be omitted when the O ring is not fitted.

The stopping plug when fitted with the O rings and fitted in to suitable equipment is capable of meeting the requirements of IP66

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb IIIC Db

⊕ I M2 Ex eb I Mb

NOTE: Aluminium is not permitted for Group I Mining applications.

16 Report Number

GB/BAS/ExTR22.0112/00

17 Specific Conditions of Use

1. The maximum operation temperature range of the stopping plug when fitted with a nitrile o-ring is -60°C to +80°C.
2. The maximum operating temperature range of the stopping plug when fitted with a silicone o-ring is -60°C to +160°C.
3. The maximum operating temperature range of the stopping plug when fitted with no o-ring is -60°C to +200°C.
4. When the stopping plug is fitted in plain holes, the sealing face of the enclosure shall be smooth and at right angles to the enclosure face where the hole is in excess of 25mm diameter in plastic enclosures consideration must be given to possible draw angle (taper) on the enclosure wall and the hole shall be no larger than 0.7mm above the major diameter of the male thread on the stopping plug. The stopping plug shall be secured with a locknut and optional locking washer.
5. When fitted in threaded holes the sealing face of the enclosure shall be smooth, the threaded hole shall be perpendicular to the wall of the enclosure and shall be a medium fit thread.
6. When the stopping plugs are used for increased safety or dust protection and no O-ring seal is fitted the user shall ensure enclosure and stopping plug interface are suitably sealed, in accordance with EN 60079-14, to maintain the ingress protection rating of the associated enclosure and protection concept.
7. NPT threaded stopping plugs shall be supplied fitted with an equivalent size NPSM locknut by Hawke International. It shall only be fitted in clearance holes and the clearance hole shall be no greater than 0.7mm above the NPT nominal diameter. The equipment wall thickness shall be between 2mm minimum and 10mm maximum and the stopping plug shall be perpendicular to the equipment face to maintain the sealing arrangement.
8. For Group I mining applications: Aluminium is not permitted.

For Group II applications: Anti-seize spray shall be applied to the stopping plug 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
390	1 to 2	G	06/06/21	Exe Group I & Group II Hex Head Stopping Plug

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa11ATEX0157X, BAS21UKEX0052X and IECEx BAS 11.0079X, and held on the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0157X	18 August 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2009, EN 60079-7: 2007 and EN 60079-31: 2009. This is documented in Report No. GB/BAS/ExTR11.0164/00.
Baseefa11ATEX0157X/1	6 January 2012	Variation 1.1: To add alternative thread type NPT. Variation 1.2: To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2011 in respect of the differences from EN60079-0: 2004 and the equipment has been assessed and is in compliance with the requirements of the latest standards. This is documented in Report No. GB/BAS/ExTR12.0003/00.
Baseefa11ATEX0157X/2	6 March 2014	Variation 2.1: To confirm that the stopping plugs covered by this certificate have been reviewed against the requirements of EN 60079-0: 2012 and IEC 60079-31: 2013 in respect of the differences from IEC 60079-0: 2011 and EN 60079-31:2009, and the equipment has been assessed and is in compliance with the requirements of the latest standards. The marking remains unchanged. Variation 2.2: Minor drawing modifications regarding o-ring size, o-ring groove position and hexagon size. Variation 2.3: Add alternative silicone o-ring. This is documented in Report No. GB/BAS/ExTR14.0004/00

Certificate No.	Date	Comments
Baseefa11ATEX0157X/3	18 May 2015	To permit the optional addition of a threaded blind hole to the range of 390 increased safety stopping plugs. This is documented in Report No. GB/BAS/ExTR15.0134/00.
Baseefa11ATEX0157X/4	5 January 2017	To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2012+A11:2013, 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. This is documented in Report No. GB/BAS/ExTR16.0322/00.
Baseefa11ATEX0157X/5	6 February 2020	Variation 5.1: To allow the 390 increased safety stopping plug to be manufactured in an alternative aluminium alloy for the metric, NPT and NPSM thread forms. Variation 5.2: To allow the thread form NPSM to be included to the 390 increased safety stopping plug. This is documented in Report No. GB/BAS/ExTR19.0284/00.
Baseefa11ATEX0157X Issue 6	8 August 2022	Variation 6.1: 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. Variation 6.2: 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.		