

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: **BAS21UKEX0064X**

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**

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 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**

 **I M2 Ex db I Mb**

 **II 2D Ex tb IIIC Db**

SGS Baseefa Customer Reference No. **0500**

Project File No. **21/0033**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

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Schedule

14

Certificate Number BAS21UKEX0064X

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 0.1

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

21(C)0033

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

Number	Sheet	Issue	Date	Description
475	1 to 2	F	06/06/21	477 Exd Group I & Group II Stopping Plug
477	1 to 2	F	08/06/21	475 Exd Group I & Group II Stopping Plug

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IECEX BAS 10.0120X