



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa10ATEX0262X**

4 Equipment or Protective System: **A Range of Stopping Plugs Type 475 and Type 477**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton under Lyne, OL7 0NA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR 10.0288/00**

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

**EN 60079-0: 2009 EN 60079-1: 2007 EN 60079-31: 2008**

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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

 **I M2 II 2 GD Ex d I Mb Ex d IIC Gb Ex tb IIC Db IP66**

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0500**

Project File No. **10/0974**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**



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Baseefa is a trading name of Baseefa Ltd

Registered in England No. 4305578. Registered address as above.

  
**R S SINCLAIR**   
DIRECTOR  
On behalf of  
Baseefa



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## Schedule

14

Certificate Number Baseefa10ATEX00262X

### 15 Description of Equipment or Protective System

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
16			½"	½"
20	¾"	13.5	¾"	¾"
25	1"	16	1"	1"
32	1¼"	21	1¼"	1¼"
40	1½"	29	1½"	1½"
50	2"	36	2"	2"
63	2½"	42	2½"	2½"
75	3"	48	3"	3"

In this form the stopping s are marked

Ex d I Mb, Ex d IIC Gb and Ex tb IIIC Db IP66

#### Variation 0.1

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

⊕ II 2 GD Ex d IIC Gb Ex tb IIIC Db IP66

### 16 Report Number

Baseefa Certification Report: GB/BAS/ExTR10.0288/00

### 17 Special Conditions for Safe Use

1 The stopping plugs must not be used with a thread adaptor/reducer in flameproof applications.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.



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**19 Drawings and Documents**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
475	1 of 2	A	22.11.10	475 Exd Stopping Plug Metric, ET, Pg and BSPP
475	2 of 2	A	22.11.10	475 Exd Stopping Plug NPT
477	1 of 2	A	22.11.10	477 Exd Stopping Plug Metric, ET Pg and BSPP
477	2 of 2	A	22.11.10	477 Exd Stopping Plug NPT

These drawings are common to, and held with, IECEx BAS10.0120X





1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0262X/1**
- 4 Equipment or Protective System: **A Range of Stopping Plugs Type 475 and 477**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa10ATEX00262X to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0500**

Project File No. **11/0887**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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DIRECTOR  
On behalf of  
Baseefa

Re-issued to replace original



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## Schedule

14

Certificate Number Baseefa10ATEX0262X/1

15 Description of the variation to the Equipment or Protective System

### Variant 1.1

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

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0287/00

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
475	B	7/11/11	Arrangement of 475 Exd 1 ExdIIC Flameproof Stopping Plug
477	B	7/11/11	Arrangement of 477 Exd 1 ExdIIC Flameproof Stopping Plug

The above drawings are common to and held with, IECEx BAS 10.0120X



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0262X/2**
- 4 Equipment or Protective System: **A Range of Stopping Plugs Type 475 and 477**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa10ATEX00262X to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.


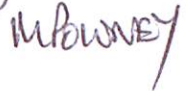
Baseefa Customer Reference No. **0500**

Project File No. **12/0602**

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PP R S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa



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## Schedule

14

Certificate Number Baseefa10ATEX0262X/2

### 15 Description of the variation to the Equipment or Protective System

#### 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, BSPP 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.

### 16 Report Number

Baseefa Certification Report GB/BAS/ExTR12.0205/00

### 17 Special Conditions for Safe Use

None additional to those listed previously

### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

### 19 Drawings and Documents

Number	Sheet No	Issue	Date	Description
475	1 and 2	C	11/07/12	Arrangement of 475 Exd 1 Ex d IIC Flameproof Stopping Plug
477	1 and 2	C	11/07/12	Arrangement of 477 Exd 1 Ex d IIC Flameproof Stopping Plug

The above drawings are common to, and held with, IECEX BAS 10.0120X



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa10ATEX0262X/3**

4 Equipment or Protective System: **A Range of stopping plugs**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0262X** to apply to equipment or protective systems 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 Item 9 of the original Certificate is replaced by “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.”

9 The marking of the equipment has changed from the original Certificate and shall include the following:

**⊕ I M2 II 2 GD Ex db I Mb Ex db IIC Gb Ex tb IIC Db IP66**

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0500**

Project File No. **15/0099**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. 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 its 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.

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Re-issued 31<sup>st</sup> January 2017 to replace original

*R S Sinclair*  
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited



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## Schedule

14

Certificate Number Baseefa10ATEX0262X/3

### 15 Description of the variation to the Equipment or Protective System

#### 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    EN 60079-31: 2014

#### Variation 3.2

To allow minor drawing changes and correction of marking.

### 16 Report Number

Baseefa certification report GB/BAS/ExTR15.0281/00

### 17 Specific Conditions of Use

None additional to those listed previously

### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
475	1	D	29/02/16	Arrangement of the 475 Ex d I Group I and EX d IIC Group II Flameproof mining stopping plug
475	2	D	29/02/16	Arrangement of the 475 Ex d I Group I and EX d IIC Group II Flameproof mining stopping plug
477	1	D	29/02/16	Arrangement of the 477 Ex d I Group I and EX d IIC Group II Flameproof mining stopping plug
477	2	D	29/02/16	Arrangement of the 477 Ex d I Group I and EX d IIC Group II Flameproof mining stopping plug

These drawings are common to and held with IECEX BAS 10.0120X