



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx BAS 10.0120X issue No.:3

Status: Current

Date of Issue: 2016-03-21 Page 1 of 4

Certificate history:  
Issue No. 3 (2016-3-21)  
Issue No. 2 (2012-8-21)  
Issue No. 1 (2011-11-22)  
Issue No. 0 (2011-3-9)

Applicant: **Hawke International**  
A Division of Hubbell Limited  
A Member of the Hubbell Group of Companies  
Oxford Street West  
Ashton-under-Lyne  
Lancashire  
OL7 0NA  
United Kingdom

Electrical Apparatus: A Range of Stopping Plugs Type 475 and Type 477  
*Optional accessory:*


Type of Protection: Flameproof and Dust Protected

Marking: Ex db I Mb  
Ex db IIC Gb  
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:  
(for printed version)

  
22/3/16

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition: 7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

##### Test Report:

[GB/BAS/ExTR10.0288/00](#)  
[GB/BAS/ExTR15.0281/00](#)

[GB/BAS/ExTR11.0287/00](#)

[GB/BAS/ExTR12.0205/00](#)

##### Quality Assessment Report:

[GB/BAS/QAR06.0061/05](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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, and have the following thread forms.

### Thread Forms and size

Metric	Imperial conduit	PG	BSPP	NPT
16			1/2"	1/2"
20	3/4"	13.5	3/4"	3/4"
25	1"	16	1"	1"
32	1 1/4"	21	1 1/4"	1 1/4"
40	1 1/2"	29	1 1/2"	1 1/2"
50	2"	36	2"	2"
63	2 1/2"	42	2 1/2"	2 1/2"
75	3"	48	3"	3"

In this form the stopping plugs 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

Ex d IIC Gb Ex tb IIIC Db IP66

### CONDITIONS OF CERTIFICATION: YES as shown below:

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



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### 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 certificates, to comply with the latest edition of the following standards:

IEC 60079-0:2011 Edition 6, IEC 60079-1:2014 Edition 7, IEC 60079-31:2013 Edition 2

This includes an update to the markings as listed below:

Ex db I Mb  
Ex db IIC Gb  
Ex tb IIIC Db IP66

### Variation 3.2

To allow minor drawing changes and correction of marking.

ExTR: GB/BAS/ExTR15.0281/00

File Reference: 15/0099