



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX BAS 10.0120X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2020-02-06)
Date of Issue:	2022-08-12		Issue 3 (2016-03-21)
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		Issue 2 (2012-08-21)
Equipment:	A Range of Stopping Plugs Type 475 and Type 477		Issue 1 (2011-11-22)
Optional accessory:			Issue 0 (2011-03-09)
Type of Protection:	Flameproof and Dust Protected		
Marking:	Ex db I Mb Ex db IIC Gb Ex tb III C Db IP66		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

12/8/2022

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Manufacturer: **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

Manufacturing locations: **Hawke International**
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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 equipment 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

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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 Reports:

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

[GB/BAS/ExTR11.0287/00](#)
[GB/BAS/ExTR19.0284/00](#)

[GB/BAS/ExTR12.0205/00](#)
[GB/BAS/ExTR22.0112/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0061/09](#)



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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 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					

In this form the stopping plugs are marked

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 5.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2017 in respect to the differences from IEC 60079-0: 2011. None of the differences in the standards affect this equipment. The Ex marking code remains unchanged.

Variation 5.2

Marking modification to include associated UKEX information.

ExTR: **GB/BAS/ExTR22.0112/00**

File Reference: **22/0214**