



# 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 11.0079X issue No.:4

Status: **Current**

Date of Issue: 2017-01-05 Page 1 of 4

Certificate history:  
Issue No. 4 (2017-1-5)  
Issue No. 3 (2015-5-18)  
Issue No. 2 (2014-3-6)  
Issue No. 1 (2012-1-12)  
Issue No. 0 (2011-8-19)

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**

Equipment: **390 Increased Safety Stopping Plug**  
Optional accessory:

Type of Protection: **Ex e I, Ex e IIC Increased safety, Ex t IIC protection by enclosure**


Marking: **Ex eb I Mb**  
**Ex eb IIC Gb**  
**Ex tb IIC Db**  
Service temp – (-60°C to +80°C or 160°C or 200°C) see schedule  
or  
**Ex eb IIC Gb**  
**Ex tb IIC Db**  
Service temp – (-60°C to +80°C or 160°C or 200°C) see schedule when manufactured from aluminium

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

Position: Technical Manager

Signature:  
(for printed version)

Date:

  
6/1/17

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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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**

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 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*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/ExTR11.0164/00](#)  
[GB/BAS/ExTR15.0134/00](#)

[GB/BAS/ExTR12.0003/00](#)  
[GB/BAS/ExTR16.0322/00](#)

[GB/BAS/ExTR14.0004/00](#)

##### Quality Assessment Report:

[GB/BAS/QAR06.0061/06](#)



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## Schedule

### EQUIPMENT:

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

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 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

### SPECIFIC CONDITIONS OF USE: YES as shown below:

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.



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

### Variation 3.1

To confirm that the equipment covered by this certificate has been reviewed against the latest standards:- IEC60079-0:2011, IEC60079-7:2015 and IEC60079-31:2013.

ExTR: GB/BAS/ExTR16.0322/00

File Reference: 16/0801