



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

Certificate No.: IECEx SIR 12.0041X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2018-04-03)

Issue No. 1 (2012-12-10)

Date of Issue: **2018-04-03**

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Issue No. 0 (2012-06-15)

Applicant: **Dong A Bestech Company Limited**
13-16, Samjeong-Dong
Ojeong-Ku
Bucheon-City
Kyung Gi-Do
Korea, Republic of

Equipment: **Range of stopping plugs DASP-H & DASP-SH**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust Protection by Enclosure**

Marking:

Ex db I Mb

And/Or

Ex db IIC Gb

Ex eb I Mb

Ex eb IIC Gb

(Ta = -60°C to +100°C)

Ex tb III C Db

(Ta = -60°C to +100°C)

*Approved for issue on behalf of the IECEx
Certification Body:*

C Ellaby

Position:

Deputy Certification Manager

*Signature:
(for printed version)*

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:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

sira
CERTIFICATION





IECEX Certificate of Conformity

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Manufacturer: **Dong A Bestech Company Limited**
13-16, Samjeong-Dong
Ojeong-Ku
Bucheon-City
Kyung Gi-Do
Korea, Republic of

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 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 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/SIR/ExTR12.0120/00](#)

[GB/SIR/ExTR12.0298/00](#)

[GB/SIR/ExTR18.0046/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0030/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Stopping Plugs comprise a cylindrical body with a male thread at one end. They are intended to fill unused cable entries in associated apparatus. The products are manufactured with the following external profiles and assigned the prefix type designations as indicated in the Annexe.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the Annexe



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

Refer to the Annexe

Annex:

[IECEX SIR 12.0041X Annexe Iss 2.pdf](#)

Annexe to: IECEx SIR 12.0041X Issue 2
Applicant: Dong A Bestech Company Limited
Apparatus: Range of stopping plugs: DASP-H and DASP-SH



Series	Description	Sizes	IP rating
DASP-H-M	Hexagonal head with parallel thread	M16 - M90	IP66, IP67
		M100	IP6X, IPX6
DASP-SH-M	Set screw (Domed - Socket head) head with parallel thread	M16 - M90	IP66, IP67
		M100	IP6X, IPX6
DASP-SH-N	Set screw (Socket head) head with NPT thread	½" NPT - 4" NPT	IP66

The Type DASP-H-M and DASP-SH-M Stopping Plugs are fitted with a PTFE (Teflon) sealing washer (gasket).

Material options:

- Brass - CuZn39Pb3
- Brass with Nickel Plating
- Stainless Steel - X2CrNiMo17-12-2 (ISO 16143-2:2004)

DASP-H thread options		DASP-SH thread options			
Parallel		Parallel		NPT	
Part No.	Size	Part No.	Size	Part No.	Size
DASP-H-M16	M16	DASP-SH-M16	M16	DASP-SH-N12	½"
DASP-H-M20	M20	DASP-SH-M20	M20	DASP-SH-N34	¾"
DASP-H-M25	M25	DASP-SH-M25	M25	DASP-SH-N1	1"
DASP-H-M32	M32	DASP-SH-M32	M32	DASP-SH-N114	1 ¼"
DASP-H-M40	M40	DASP-SH-M40	M40	DASP-SH-N112	1 ½"
DASP-H-M50	M50	DASP-SH-M50	M50	DASP-SH-N2	2"
DASP-H-M63	M63	DASP-SH-M63	M63	DASP-SH-N212	2 ½"
DASP-H-M75	M75	DASP-SH-M75	M75	DASP-SH-N3	3"
DASP-H-M80	M80	DASP-SH-M80	M80	DASP-SH-N312	3 ½"
DASP-H-M90	M90	DASP-SH-M90	M90	DASP-SH-N4	4"
DASP-H-M100	M100	DASP-SH-M100	M100		

Specific Conditions of Use

- i. DASP-H-M and DASP-SH-M Stopping plugs fitted with PTFE sealing washers are suitable for a temperature -60°C to +100°C at their point of mounting. The following tightening torque values are required to achieve the IP ratings listed below.

Size	Tightening torque [Nm]	IP rating
M16	20 Nm	IP66/IP67
M20	20 Nm	P66/IP67
M25	20 Nm	P66/IP67
M32	20 Nm	P66/IP67
M40	50 Nm	P66/IP67
M50	50 Nm	P66/IP67
M63	50 Nm	P66/IP67
M75	150 Nm	P66/IP67
M80	180 Nm	P66/IP67
M90	180 Nm	P66/IP67
M100	300 Nm	P6X
M100	220 Nm	PX6

Date: 03 April 2018

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Form 9530 Issue 1

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Annexe to: IECEx SIR 12.0041X Issue 2
Applicant: Dong A Bestech Company Limited
Apparatus: Range of stopping plugs: DASP-H and DASP-SH



- ii. When DASP-H-M and DASP-SH-M Stopping plugs are installed into clearance holes (Ex e and Ex tb only) the diameter of the hole shall be no greater than 0.7mm above the major diameter of the thread of the stopping plug.

Full certificate change history

Issue 1 – this Issue introduced the following changes:

- i. Following additional ingress protection testing, a table was added to the Description of Equipment to recognise new ratings and clarify the existing ones.
- ii. The CE mark was updated on the master drawings.

Issue 2 – this Issue introduced the following changes:

- i. Removal of type DASP-H-N* range hexagonal head NPT threaded stopping plugs.
- ii. The removal of the dome head feature of the DASP-SH-N* range stopping plugs
- iii. The introduction of additional metric threaded DASP-H-M sizes of dome head stopping plugs as indicated by their type and size designations as follows.

Part No.	Size
DASP-H-M80	M80
DASP-H-M90	M90
DASP-H-M100	M100

- iv. The optional increase in the maximum threaded spigot length of metric threaded DASP-H-M and DASP-SH-M ranges of stopping plugs to 35mm was recognised.
- v. Removal of the temperature range from the product marking. With the amendment of the Specific Condition of Use regarding the limiting temperature range to clarify:
 - That the temperature range is a temperature range at the point of mounting and not an ambient temperature range
 - The condition is specific to DASP-H-M and DASP-SH-M stopping plug fitted with the PTFE (Teflon) O-ring seal
- vi. Removal of the following conditions that are no longer applicable to the compliance standards applied to the stopping plugs.
 - The stopping plugs shall not be used with a thread adapter or reducer.
 - Stopping plugs with parallel threads shall be fitted with the PTFE sealing washer.
 - When fitted into clearance holes (Ex e and Ex tb only) the hole diameter shall be no greater than 0.5mm above the major diameter of the stopping plug thread.
 - Where parallel thread option is used stopping plugs shall remain perpendicular to the equipment face when installed to ensure correct pressure on PTFE sealing washer.
- vii. Rationalisation of all current certification drawings. Leaving the following scheduled drawings used for continued manufacturing purposes. Which include all aspects of the product that are relevant to explosion safety. Three being renumbered and have had the marking detail removed, and one being newly introduced:

Drawing Title	Drawing Number	Replacing
DASP-H-M000 (MASTER DRAWING)	CSA-CG15-DASP-H-M000	BSA-CG07-DASP-H-M000
DASP-SH-M000 (MASTER DRAWING)	CSA-CG15-DASP-SH-M000	BSA-CG09-DASP-SH-M000
DASP-SH-N000 (MASTER DRAWING)	CSA-CG15-DASP-SH-N000	SIRA-CG12-DASP-SH-N000
DASW-M0000 (MASTER DRAWING)	BSA-CG07-DASW-M000-1	N/A
Marking detail drawing	CSA-CG15-DASP-MK-SR01	New drawing

Date: 03 April 2018

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Form 9530 Issue 1

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Apparatus: Range of stopping plugs: DASP-H and DASP-SH



- viii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-1:2007 Ed 6, IEC 60079-7:2006 Ed 4 and IEC 60079-31:2008 Ed 1 were replaced by IEC 60079-1:2014 Ed 7, IEC 60079-7:2015 Ed 5 and IEC 60079-31:2013 Ed 2, the markings were amended accordingly.
- ix. Additional IP66/IP67 testing per the manufacturer's request. As a result, the Product Description and the Specific Condition of Use section were updated.

Date: 03 April 2018

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