



Marine & Offshore

Certificate number: 53686/B0 BV

File number: ACE14/935/1

Product code: 2535H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to
JEONO CO., LTD.
 Gyeonggi-do - KOREA (REPUBLIC OF)

for the type of product
CABLE TIES
 Indoor and outdoor cables ties
 JSST, JSHT and JSFT series

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships, Offshore Units, Naval Ships and Yachts.
 IEC 62275 (2022)

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 18 Sep 2028

For Bureau Veritas Marine & Offshore,

At BV PUSAN, on 18 Sep 2023,

Won-jun JANG

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=wka9nootzg>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Indoor and outdoor metallic/coated cable ties for Marine and Offshore applications.

1.1 - Classification :

1.1.1 - Type designation and material

Type	Material
JSST series	SUS 304 or 316
JSHT series	SUS 304 or 316 with semi-coated
JSFT series	SUS 304 or 316 with fully-coated

* coating material : Epoxy Resin

1.1.2 - Loop tensile strength

Type 2 : Retain 100% strength after test for metallic & coated cable tie

Strap I.D.	Loop tensile strength (N)	
	Metallic	Coated
width 4.6	890	445
width 6.4	1110	660
width 7.9	2000	1110
width 12.7	2670	1335
width 15.9	4000	2000

1.1.3 - Maximum operating temperature : 300°C (JSST series)
165°C (JSHT & JSFT series)

1.1.4 - Minimum operating temperature : -60°C

1.1.5 - Minimum installation temperature : -40°C

1.1.6 - Contribution to fire : Non-flame propagating

1.1.7 - Resistant to ultraviolet light : Resistant

1.1.8 - Resistant to corrosion : Resistant

1.2 - Product range :

Type	Strap length (mm)	Strap I.D.	Material	Min. bundle dia. (mm)	Max. bundle dia. (mm)	Width (mm)	Thickness (mm)
JSST	125 to 1000	S	304 306	12.7	25 to 304	4.6	0.25
	150 to 680	LH			35 to 203	6.4	0.25
JSHT	200 to 1000	H			51 to 304	7.9	0.25
JSFT	440 to 1100	EH		25.4	102 to 305	12.7	0.25
		SH				12.7	0.38
		UH				15.9	0.38

2. DOCUMENTS AND DRAWINGS :

Specifications N° J-CLS-DNV-01, dated 29 Aug 2011

3. TEST REPORTS :

Tests report N° J-ITR-DNV-01/02/03/04/05/06/07/08/09/10, dated 29 Aug 2011

Tests report N° J-ITR-DNV(2017), dated 17 Apr 2017

4. APPLICATION / LIMITATION :

According to BV rules for the Classification of Steel Ships, Offshore Units, Naval Ships and Yachts and IEC 62275.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **JEONO CO., LTD.** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **JEONO CO., LTD.** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **JEONO CO., LTD.** has declared to Bureau Veritas the following production site:

JEONO CO., LTD.
641, Aegibong-ro, Tongjin-eup, Gimpo-si
Gyeonggi-do
KOREA (REPUBLIC OF)

6. MARKING OF PRODUCT :

- Maker's name or trade mark
- Serial number of the units
- Equipment type number or model identification under which it was type-tested.

7. OTHERS :

It is **JEONO CO., LTD.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 53686/A0 BV issued on 01 Aug 2018 by the Society.

*** END OF CERTIFICATE ***