



Marine & Offshore

Certificate number: 22240/C2 BV

File number: ACM 119/1201/001

Product code: 0710H

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***EAGLE INDUSTRY CO., LTD. MARINE DIVISION**

Takasago - JAPAN

*for the type of product***BEARING**

Type: EVR

Rubber Bearing for Stern tube.

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships.

*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: 12 Feb 2025****For Bureau Veritas Marine & Offshore,**

At BV KOBE, on 11 Oct 2021,

Shinichi Takemoto



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=h4bakulr2n>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

EVR type rubber bearing for stern tube

Water lubricated stern tube bearings.

Straight type

SS or SL model number 40 to 190 for Shaft Diameter from 40 mm to 190 mm

SSM or SLM model number 121 to 297A for Shaft Diameter from 121 mm to 301 mm.

Flange type

FS or FL model number 100 to 550 for Shaft Diameter from 100 mm to 550 mm.

2. DOCUMENTS AND DRAWINGS:

- SS or SL and SSM or SLM drawing n° EVR-S002
- FS or FL drawing n° EVR-F002

3. TEST REPORTS:

Type approval based on experience in service.

4. APPLICATION / LIMITATION:

4.1 - The length of the bearing is to comply with the requirements of Bureau Veritas Rules Part C, Ch 1, Sec 7.

Complete justifications must be sent to the Society about the distribution of loads on the shaftline bearings.

4.2 - On board installation & Maintenance requirements:

As per manufacturer instruction 06ME-024.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The Bearings are to be supplied by **Eagle Industry Co., Ltd. Marine Division** 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.

5.3 - **Eagle Industry Co., Ltd. Marine Division** 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 - **Eagle Industry Co., Ltd. Marine Division** has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production site:

Eagle Industry Co., Ltd. Marine Division
Types Manufacturer, Supplier/Distributor
Address 8-1, Showacho,
737-0027 Kure
JAPAN

6. MARKING OF PRODUCT:

- Serial number
- Type Size

7. OTHERS:

7.1 - It is **Eagle Industry Co., Ltd. Marine Division'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 22240/C0 BV issued on 12 February 2020 by the Society.

*** END OF CERTIFICATE ***