



Marine & Offshore

Certificate number: 22240/D0 BV

File number: ACM119/1201/1

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

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 is a renewal of certificate N° 22240/C2 BV expiring on 12/02/2025

This certificate will expire on: 12 Feb 2030

For Bureau Veritas Marine & Offshore,

At BV KOBE, on 07 Feb 2025,

Shinichi Takemoto

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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

EVR type rubber bearing for stern tube

- Synthetic rubber
- Water-lubricated

Type	Subtype	Model	Shaft diameter [mm]
Straight type	SS or SL	40 to 190	40 to 190
Straight type	SSM or SLM	121 to 297A	121 to 301
Flange type	FS or FL	100 to 550	100 to 550

2. DOCUMENTS AND DRAWINGS:

Drawing number	Drawing name	Date
EVR-S002	EVR rubber bearing (Straight type)	2006.02.13
EVR-F002	EVR rubber bearing (Flange type)	2006.02.13

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 NR467, Part C, Ch. 1, Sec.7. Complete justifications must be sent to the Society about the distribution of loads on the shaft line bearings.
- 4.2. On board installation & maintenance requirements as per manufacturer instruction 06ME-024-1 dated 2007.03.22.

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 recognized 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
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 subcontractors 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/C2 BV issued on 2021 October 11 by the Society.

*** END OF CERTIFICATE ***