



Marine & Offshore

Certificate number: 09289/F0 BV

File number: ACM 137/0502/005

Product code: 0725H

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

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

EAGLE INDUSTRY CO., LTD. MARINE DIVISION

Takasago - JAPAN

for the type of product

STERN TUBE SEALING GLANDS

Type: EVK

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: 27 Sep 2027

For Bureau Veritas Marine & Offshore,

At BV KOBE, on 27 Sep 2022,

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 electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=3wzqcxtlg>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

EVK & EVK2RT

Inner seal for water lubricated stern tube composed of: (from inside to outside)

- One mating ring with polished contact surface. Material Stainless steel or brass. The mating ring is bolted on the stationary casing.
- One (EVK) / Two (EVK2RT) seal rings made of rubber material NBR. The rings are locked on the propeller shaft sleeve by a torispherical spring.
- One emergency inflatable ring

SIZE: Diameter of the propeller shaft, from 50 to 690 mm (EVK), 110 to 690 (EVK2RT).

2. DOCUMENTS AND DRAWINGS:

2.1 - For EVK :

- Standard drawing n°EVK-008
- Instruction manual n°15ME-014

2.2 - For EVK2RT :

- Standard drawing n°EVK2RT-001
- Inspection Manual n°ISEVK2RT-001E
- Instruction Manual n°14ME-003-2

3. TEST REPORTS:

For EVK : Test report n°97ME-004

For EVK2RT: Test report n°14ME-006E

4. APPLICATION / LIMITATION:

4.1 - Stern Tube Sealing Gland for water lubricated stern tube.

4.2 - Due consideration is to be paid to the Manufacturer's recommendations concerning the installation, inspection, operation and maintenance of the seal. The requirements of the Instruction Manuals in ref. are to be followed.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The Sealing glands 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 - For information, **EAGLE INDUSTRY CO., LTD. Marine Division** has declared to Bureau Veritas the following production sites :

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 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° 09289/E0 BV issued on 31/08/2017 by the Society.

*** END OF CERTIFICATE ***