



Marine & Offshore

Certificate number: 19298/C1 BV

File number: ACM 137/6292/01

Product code: 0725I

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
SEAVIEW PROGRESS
 FREJUS - FRANCE

for the type of product
STERN TUBE SEALING GLANDS
 PSS Joints tournants

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships.

BUREAU VERITAS Rules for the Classification and Certification of Yachts.

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: 24 May 2022

For Bureau Veritas Marine & Offshore,

At BV MARSEILLE, on 19 Jul 2018,

Jean Baptiste GARREAU



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:

PSS Shaft Seal

Mechanical seal is a carbon flange held in contact against a stainless steel rotor which turns with the shaft. Carbon flange is attached to the stern tube of the boat by a nitrile bellow. For Type B Models the bellow is externally reinforced by metallic hoops. The mechanical seal is water fed.

PSS Shaft Seal Type A for shaft from 22 mm up to 95 mm (3/4" to 3 3/4")

REF: 02-20M-114 to 02-95M-600

PSS Shaft Seal Type B for shaft from 100 mm up to 150 mm (4" to 6").

REF: 02-100M-114 to 02-150M-800

PSS Shaft Seal Type PRO for shaft from 35 mm up to 95 mm (1 1/2" to 3 3/4")

REF: 03-35M-312 to 03-95M-600

Designations:

02-XXM-YYY for **metric** sizes

XX = Shaft diameter in millimeters

YYY = outside diameter of the stern tube in inches / 100.

as an example 02-45M-300 = seal for shaft diameter 45 mm and stern tube diameter 3 inches.

02-ABC-YYY for **imperial** sizes

ABC = Shaft diameter in A B/C"

YYY = outside diameter of the stern tube in inches / 100.

as an example 02-134-300 = seal for shaft diameter 1 3/4" and stern tube diameter 3"

2. DOCUMENTS AND DRAWINGS:

As per following drawings which are to be considered as representatives of the whole range:

Drawing number	Designation
02-45M-300	Model 02-45M-300 representative of all Type A Models
02-120M-700	Model 02-120M-700 representative of all Type B Models
03-112-312	Model 03-112-312 representative of all Type PRO Models

3. TEST REPORTS:

None.

4. APPLICATION / LIMITATION:

4.1 - These sealing glands could be accepted for use on BV Classed ships or ships to be classed by BV provided they will be installed in combination with a safety device to avoid flooding in case of shaft forward displacement.

4.2 - On board installation & Maintenance requirements:

As per the manufacturer's instructions.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **Stern Tube Sealing Glands** are to be supplied by **SEAVIEW PROGRESS** in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - For information, **SEAVIEW PROGRESS** has declared to Bureau Veritas the following production site(s):

**ZI du Capitou
85 rue Louis Lepine
83600 FREJUS
FRANCE**

6. MARKING OF PRODUCT:

- Serial number
- Bureau Veritas Marks
- Size

7. OTHERS:

7.1 - It is **SEAVIEW PROGRESS** 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° 19298/C0 BV issued on 24 May 2017 by the Society.

***** END OF CERTIFICATE *****