



Certificate No:
TAS0000386

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Structural Connecting Elements

with type designation(s)
MEOS Folding Railing Base FRB 2025-48-110

Issued to
MEOS GmbH
Melsdorf, Schleswig-Holstein, Germany

is found to comply with
DNV GL rules for classification – Yachts

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2021-11-03**

This Certificate is valid until **2026-11-02**.

for **DNV**

DNV local station: **Hamburg – CMC North/East**

Approval Engineer: **Mark-Oliver Wobig**

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Andree Orth
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

Folding railing base for railing elements

Application/Limitation

The use of the MEOS Folding Base is limited to a design force of 955 N and a design bending moment of 955 Nm per folding base (Corresponding test force: 1471 N; test bending moment: 1471 Nm).

Design loads and maximum allowable distances of stanchions are defined in RU YACHT, Pt.3, Ch.8, Sec.2 [4.4] and (4.5].

The material of the folding base shall be according to the drawing.

Neither stanchion nor (sub-)structure of deck support is part of this certificate. After installation on board, especially in connection with the type and material of stanchion used, a structural and/or a functional test may be required in the presence of our local surveyor.

The installation on board (i.e. direction) shall be done according to instructions of the supplier.

Type Approval documentation

Drawing No.	Rev.	Title
2066991B	02	Typical installation FRB with railing stanchion for pulling test
2066991-FRB-2025-48-110	04	Datasheet

Drawing approval Job-No. 262.1-036497-1, dated 2021-11-03

Test Report No. 2066991B-02

DNV Initial Assessment report dated 2021-10-21

Tests carried out

The structural test was carried out in Melsdorf, Germany, dated 2021-10-21 in accordance with the DNVGL RU YACHT, Pt.3, Ch.8, Sec.2 [4.4] and (4.5].

Marking of product

None

Periodical Assessment

For retention of the Type Approval, a DNVGL surveyor shall perform a survey after 2 and 3.5 years, to verify that the Type Approval is complied with.