Certificate No:
TAM000018S

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)
E1N-4001-6X

Issued to
HUTCHINSON SMC
Levallois Perret, Hauts de Seine, France

is found to comply with
DNV GL rules for classification – Ships
DNV GL rules for classification – High speed and light craft
DNV GL class programme DNVGL-CP-0144 – Type approval – Flexible mounts used for propulsion or auxiliary machinery

Application :

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

Issued at **Høvik** on **2021-08-31**
This Certificate is valid until **2026-08-30**.
DNV local station: **France CMC**

Approval Engineer: **Terje Ingvar Arvidsen**

for **DNV**

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Oddvar Deinboll
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.

Product description

Flexible mounts for foundation of machinery with limits as given in the certificate.
Mounts are not provided with integrated limiters preventing excessive movements.

Application/Limitation

The approval is valid for flexible mountings of machinery according to data given on the following table:

Design ref	Part no	Axial nominal load (daN)	Shore Hardness
VIB HD 56 1500	E1N-4001-65	1500	45 ShA
VIB HD 56 1700	E1N-4001-64	1700	50 ShA
VIB HD 56 2100	E1N-4001-63	2100	55 ShA
VIB HD 56 2500	E1N-4001-62	2500	60 ShA
VIB HD 56 3200	E1N-4001-61	3200	65 ShA

Type Approval documentation

Tests carried out

Type testing report_DNV_VIB HD 56_AV01758 _ind A, 06/05/2021.

Marking of product

The product to be marked with manufacturer’s name or trademark and type number identification.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the Type Approval certificate was issued.

In cases where the type approved product is manufactured at other companies, periodical assessments shall be carried out randomly at these companies. All companies shall be assessed at least once in the period of validity of the TA certificate.

This will be according to Class Guideline DNVGL-CG-0338, Section 4.

Other conditions

No product certificate required.

Installation, maintenance and inspection of the mounts to be done according to the makers instructions.

END OF CERTIFICATE