DNV·GL

Certificate No:
TAM000016H

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)
Rubber mount 1520209-xx; 1520211-xx

Issued to
Hutchinson Industrial Rubber Products (Suzhou) Co., Ltd.
,

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 :

The flexible mountings are approved for use for foundation of machinery with limitations as given in the certificate. Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2020-10-30**
This Certificate is valid until **2025-10-29**.
DNV GL local station: **Shanghai**

Approval Engineer: **Andreas Wolf**

for **DNV GL**

Olaf Drews
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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

- Rubber Mount I520209-xx, I520211-xx

Application/Limitation

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

Suzhou reference of assembly	Suzhou reference of assembly	Axial nominal load(daN)	Shore Hardness
I520209-01	I520211-01	1500	45 ShA
I520209-02	I520211-02	1700	50 ShA
I520209-03	I520211-03	2100	55 ShA
I520209-04	I520211-04	2500	60 ShA
I520209-05	I520211-05	3200	65 ShA

Type Approval documentation

Tests carried out

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.

The main scope of the Periodical Assessment will normally include:

- Verification of the Type Approval applicant's production and quality system with respect to. ensuring continued consistent production of the Type Approved products at the Type Approval applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking.

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