

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)
CONES WITH FIXATION FLANGE

Issued to
Aplicaciones Mecánicas del Caucho, S.A
Asteasu, Gipuzkoa, Spain

is found to comply with
DNV GL rules for classification – Ships
DNV GL rules for classification – High speed and light craft

Application :

Flexible mounts for machinery, including diesel engines.

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

Issued at **Høvik** on **2021-04-08**

for **DNV**

This Certificate is valid until **2026-04-07**.

DNV local station: **Area NB/CMC Iberia**

Approval Engineer: **Terje Ingvar Arvidsen**

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

Rubber metal anti vibration mounts with the following type designations:

- Cone 50 – Rubber hardness (shore A): 40, 50, 60, 70
- Cone 51 – Rubber hardness (shore A): 40, 50, 60, 70
- Cone 100A, 100B, 100C
- Cone 200A, 200B, 200C

Application/Limitation

The flexible mounts are approved for flexible mounting of machinery including diesel engines according to data given in maker's catalogue/technical information.

Type Approval documentation

- [Cone 50 M16x1.5 Drawing](#)
- [Cone 50 M16x2 Drawing](#)
- [Cone 51 M16x1.5 Drawing](#)
- [Cone 51 M16x2 Drawing](#)
- [Cone 100 A Drawing](#)
- [Cone 200 Drawing](#)
- [Cone 100 B Drawing](#)
- [Cone 100 C Drawing](#)
- [Cone 50 - List of Materials](#)
- [Cone 51 - List of Materials](#)
- [Cone 100 - List of Materials](#)
- [Cone 200 - List of Materials](#)
- [Cones with fixation flange - Overview](#)

Tests carried out

- [Cone 200 60Sh Static & Dynamic Test results](#)
- [Cone 50 60Sh Static & Dynamic Test results](#)
- [Cone 51 60Sh Static & Dynamic Test results](#)
- [Cone 100 B Static & Dynamic Test results](#)
- [Cone 51 40Sh Static & Dynamic Test results](#)
- [Cone 50 60Sh Static and dynamic test results](#)
- [Cone 51 40Sh Static and dynamic test results](#)
- [Cone 50 40Sh Static & Dynamic Test results](#)

Marking of product

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

Periodical assessment

For retention of the type approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years, to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the type approved product is manufactured at other companies, the periodical assessment shall verify that the type approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical assessment shall be carried out randomly at these companies.