



TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000TK
Revision No:
6

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)

Machine foot Triflex 2, Machine foot with cut-off protection, Machine foot, Machine foot with height adjustment, Rubber bearing, cap element

Issued to

GMT-Gummi-Metall-Technik GmbH
Bühl, Germany

is found to comply with

DNV rules for classification – Ships

DNV rules for classification – Naval vessels

DNV class programme DNV-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.

Issued at **Hamburg** on **2023-07-12**

This Certificate is valid until **2028-07-04**.

DNV local unit: **Augsburg**

Approval Engineer: **Andreas Wolf**

for **DNV**

.....
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 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

- GMT antivibration mountings of rubber.
- Machine foot Triflex 2: rubber quality Shore A 45, 55, 60 & 65
- Machine foot rubber quality Shore A 40, 50, 60 and 70
- Rubber bearing, cup elements rubber quality Shore A 45, 58,61,65, 69

Application/Limitation

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

Machine foot Triflex 2

10002020, 10002021, 10002022
10002103, 10002104, 10002120, 10002121, 10002122
10002220, 10002221, 10002222
10002320, 10002321, 10002322
10401801, 10401802, 10401803, 10401804

Machine foot with cut-off protection

10003201, 10003202, 10003203, 10003204
10003401, 10003402, 10003403, 10003404
10003601, 10003602, 10003603, 10003604
10003801, 10003802, 10003803, 10003804
10403801, 10403802, 10403803, 10403804
10404001, 10404002, 10404003, 10404004
10404201, 10404202, 10404203, 10404204
10404401, 10404402, 10404403, 10404404
10404601, 10404602, 10404603, 10404604
10404801, 10404802, 10404803, 10404804
10405001, 10405002, 10405003, 10405004

Machine foot

12001601, 12001206

Machine foot with height adjustment:

63018114, 63018115, 63018116, 63018117, 63018118

Rubber bearing, cap element:

73403201, 73403202, 73403203, 73403205, 73403206

Type Approval documentation

Documentation in ringbinders GMT Zertifizierung – Maschinenfüße 2004, received in meeting at Høvik 04-06-02.

Following additional types submitted for approval:

on 2017-07-20

Machine foot Triflex 2 type 10401801, 10401803, 10401804

Machine foot with height adjustment type 63018115, 63018116, 63018118

on 2018-03-20; 2021-12-04 & 2020-04-08

Machine foot with height adjustment type 63018114, 63018117

Machine foot type 12001601, 12001206

Rubber bearing, cap element type 73403201, 73403202, 73403206

on 2021-04-12

Rubber bearing, cap element type 73403203, 73403205



Job Id: **262.1-005275-9**
Certificate No: **TAM00000TK**
Revision No: **6**

on 2023-04-27 and 2023-06-19
Machine foot Triflex 2
10002020, 10002021, 10002022
10002120, 10002121, 10002122
10002220, 10002221, 10002222
10002320, 10002321, 10002322
10401801, 10401802, 10401803, 10401804
Machine foot with height adjustment:
63018114, 63018115, 63018116, 63018117, 63018118

on 2023-07-12
Machine foot Triflex 2 type 10002103, 10002104

Tests carried out

Test reports included in type approval documentation

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 regard 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