



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAM00000TK**  
Revision No:  
**4**

## This is to certify:

**That the Flexible Mounts for Propulsion or Auxiliary Machinery**

with type designation(s)

**Triflex mountings, Machine feet with cut-off protection, Engine mount, Engine mount with height adjustment, Rubber bearing, cap element**

Issued to

**GMT-Gummi-Metall-Technik GmbH  
Bühl, Germany**

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.**

Issued at **Hamburg** on **2021-06-16**

for **DNV**

This Certificate is valid until **2023-02-01**.

DNV local station: **Augsburg**

Approval Engineer: **Andreas Wolf**

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**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.
- Triflex rubber quality: Shore A 45, 55 and 65
- Machine feet/engine mountings: Shore A 40, 50, 60 and 70
- Rubber bearing, cup elements: 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:

### Triflex mountings

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

### Machine feet 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

### Engine mount

12001601, 12001206

### Engine mount 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

Triflex 2 type 10401801, 10401803, 10401804

Engine mount with height adjustment type 63018115, 63018116, 63018118

on 2018-03-20; 20219-12-04 & 2020-04-08

Engine mount with height adjustment type 63018114, 63018117

Engine mount type 120001601, 12001206

Rubber bearing, cap element type 73403201, 73403202, 73403206

on 2021-04-12

Rubber bearing, cap element type 73403203, 73403205

## 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 w.r.t. 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