

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Flexible Mounts for Propulsion or Auxiliary Machinery**

with type designation(s)

Triflex mountings: 100020, 100021, 100022, 10401803, 10401804, Machine feet / Engine mountings: 100032, 100034, 100036, 100038, 104038, 104040, 104042, 104044, 104046, 104048, 104050, 63018115, 63018116, 63018118

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 GL.**Issued at **Hamburg** on **2018-02-02**for **DNV GL**This Certificate is valid until **2023-02-01**.DNV GL local station: **Augsburg**Approval Engineer: **Andreas Wolf**

**Burkhard Lilienthal
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.



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.

Application/Limitation

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

10002020, 10002021, 10002022
10002120, 10002121, 10002122
10002220, 10002221, 10002222
10002320, 10002321, 10002322
10003201, 10003202, 10003203, 10003204
10003401, 10003402, 10003403, 10003404
10003601, 10003602, 10003603, 10003604
10003801, 10003802, 10003803, 10003806
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

10401803, 10401804,
63018115, 63018116, 63018118,

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 10401803, 10401804
Engine mount with height adjustment type 63018115, 63018116, 63018118

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.

Job Id: **262.1-005275-5**
Certificate No: **TAM00000TK**

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