



Certificate No:
TAS00003EG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Loose Gear - Block

with type designation(s)
UF-250045-00009

Issued to

Mohr-Hebetechnik GmbH
Horst (Holstein), Schleswig-Holstein, Germany

is found to comply with

DNV standard DNV-ST-0377 – Standard for shipboard lifting appliances
DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application :

Product(s) approved by this type approval is/are accepted for DNV product certification.

Issued at **Hamburg** on **2022-05-30**

This Certificate is valid until **2027-05-29**.

DNV local station: **Hamburg – CMC North/East**

for **DNV**

Approval Engineer: **Stefan Heuer**

.....
Jörg Kallies
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.



Form code: TA 251

Revision: 2021-03

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Product description

Cargo gear (block) type UF-250045-00009

Application/Limitation

1. Working conditions:

- Design temperature: -20°C
- SWL 50t (rope 12,5t)
- Hoist load coefficient (psi): max. 1.5
- Rope Ø 25mm, strength 1960 N/mm²
- DNV crane group A, B, Offshore- and Platform Cranes
- Categorization acc. To FEM 1.001: E3 (B5/P1)*

*) Excluding plastic rope sheave

2. Plastic rope sheave:

The plastic rope sheaves shall bear Product Certificates (PC) issued by the manufacturer. For traceability, each sheave shall be permanently marked with an ID or serial number. Blank sheaves are to be purchased from a maker with DNV Approval of Manufacturer (DNVGL-CP-0296) or be delivered with individual 3.1 material certificates, meeting following minimum material requirements:

- Modulus of elasticity (tensile test acc. DIN EN ISO 527-2): 3100 MPa
- Tensile strength at yield (acc. DIN EN ISO 527-2): 80 MPa

A light colour is recommended.

3. Product testing:

To obtain DNV Product Certificates, each cargo block shall be inspected and tested* with:

- Lpstat: (0.933 x SWL) + 27t

*) Note Table 14-1 (ST-0378) to be observed

Type Approval documentation

Marking of product

Each block shall be marked by the manufacturer with at least:

- Manufacturer's name or trademark
- Type of loose gear
- Serial number
- Year of construction
- Nominal load(s) "SWL" in t or kg
- Dead load "WT" in t or kg
- Rope sheave with: TAS00003EG or individual serial number

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE