DNV·GL

Certificate No:
TAS00001ZB

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Loose Gear - Block

with type designation(s)
UF-250050-00006, UF-250050-00009

Issued to
Mohr-Hebetechnik GmbH
Horst, Germany

is found to comply with
DNV GL standard DNVGL-ST-0377 – Standard for shipboard lifting appliances
DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances

Application :

Product(s) approved by this certificate is/are accepted for DNVGL product certification.

Issued at **Hamburg** on **2019-03-21**
This Certificate is valid until **2024-03-20** .
DNV GL local unit: **Hamburg**

Approval Engineer: **Stefan Heuer**

for **DNV GL**

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.

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Product description

Lower Blocks types UF-250050-00006 & UF-250050-00009

Application/Limitation

1. Working conditions:
- Design temperature: -25°C
- SWL: 50t (rope 25t)
- Hoist load coefficient ≤ 1.3
- Categorization acc. to FEM 1.001: E3 (B5/P1)
- Hook (25-P) mechanism group: 1Am (acc. to DIN 15020)
- Rope Ø 25mm, strength 1960MPa: DNVGL crane type A, B, Offshore- and Platform Cranes

2. Plastic rope sheave:
Required certification level is Product Certificate (PC) issued by the manufacturer.
The following material properties have to be ensured:
- min. modulus of elasticity (tensile test acc. DIN EN ISO 527): 3100 MPa
- min. tensile strength at yield (acc. DIN EN ISO 527): 80 MPa

We recommend a light colour for the sheave. Each rope sheave is to be marked for traceability.
Blank sheaves are to be purchased from a manufacturer with DNVGL shop approval or be delivered with individual 3.1 material certificate.

3. Product certification:
To obtain DNVGL Product Certificates, each lower block shall be inspected and tested with:
- Lpstat: (0.933 x SWL) + 27t

Type Approval documentation

Marking of product

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

- Manufacturer´s name or trademark
- Type designation
- Serial number
- Year of construction
- Nominal load(s) "SWL" in t or kg
- Dead load "WT" in t or kg
- Rope sheave with: TAS00001ZB or individual serial number

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform a periodical assessment after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE