Certificate no.:
**TAS00004MC**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**that the Lifting Gear**

with type designation(s)
**Spreader beam 7mT**

issued to
**EMSTEC GmbH**
**Oststeinbek**, **Germany**

is found to comply with

**DNV standard DNV-ST-0378 – Offshore and platform lifting appliances**

## Application:

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2025-03-06**
This Certificate is valid until **2030-03-05**.
DNV local unit: **Essen**

for **DNV**

Approval Engineer: **Thomas Henrik Tranesen**

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 USD 300 000.

## Product description
Spreader beam for handling loads up to 7mT.

## Application/Limitation

| | |
|---|---|
| Safe working load SWL | 7mT |
| Design dynamic factor | 1.3 |
| Max angle between slings | 90deg |
| Load distribution | 1/3 on each hang-off point |
| Min design temperature | -20°C |
| Estimated no of load cycles | <4000 |

It is the end user's responsibility to ensure that adequate control of magnitude of load is maintained during all operations (ref. DNV-ST-0378 [5.2.9.6]).

## Type Approval documentation

## Tests carried out
In order to obtain a CG3 certificate, each production unit shall be tested according to the DNV-ST-0378 Table 14-2 and NDT to be carried out according to DNV-ST-0378 Sec.3.

## Marking of product
Each spreader beam is to be marked according to DNV-ST-0378 Sec.14.5.

## Periodical assessment
For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

## Manufactured by:
Dynpap Sp. z o.o., Poland ; DNV ID 10563084

**END OF CERTIFICATE**