



Certificate no.:
TAS00004TB

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Lifting Gear

with type designation(s)
TubeLock XL

issued to

Global Gravity ApS
Esbjerg N, Syddanmark, Denmark

is found to comply with

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

Application:

See next page

Issued at **Høvik** on **2025-04-29**

This Certificate is valid until **2030-04-28**.

for **DNV**

DNV local unit: **Esbjerg Verification**

Approval Engineer: **Peder Bendik Møll**

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

Tubelock XL lifting poles and bottom lifting beam

Application/Limitation

Categorisation:	Loose gear
Design temperature:	-20 °C
Safe working load, bottom beam:	3650kg
Safe working load, Lifting poles	1825kg
Dynamic amplification factor:	1.92

The Tubelock XL lifting poles and bottom lifting beam are approved as individual loose gear parts according to DNV-ST-0378 when used as described in *TubeLock® Large – User Manual* revision 1. The TubeLock XL assembly/system is not part of the approval

Each TubeLock XL part shall be tested according to DNV-ST-0378, July 2019 “Standard for offshore and platform lifting appliances” Section 14. Minimum test load to be 2.88xSWL.

Fatigue life is not evaluated. Inspections should be carried out at sufficient intervals to detect any fatigue defects before they become critical.

Friction coefficients between the lifting beams and load is to be minimum 0.65. The friction coefficient is not validated by DNV and it is the end users responsibility to ensure this friction coefficient is obtained

Type Approval documentation

Marking of product

Each Handling tubular accessory shall be marked according to DNV-ST-0378, July 2019 “Standard for offshore and platform lifting appliances” Section 14. Se 14.5.1.2 for specific requirements for lifting accessories.

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:

Global Gravity ApS
Lillebæltsvej 37
6715 Esbjerg N
DENMARK

END OF CERTIFICATE