

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAS00002TR
Revision No:
3

This is to certify:
that the Lifting Gear

with type designation(s)
TubeLock accessories

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 nex page

Issued at **Høvik** on **2025-12-09**

This Certificate is valid until **2030-12-08**.
DNV local unit: **Esbjerg Verification**

Approval Engineer: **Peder Bendik Møll**

for **DNV**
Digitally
signed by
Esvall, Per



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.



Product description

Tubelock lifting poles and lifting beams

Application/Limitation

Categorisation: Loose gear
 Design temperature: -20 °C

Product description			Operational limitations	
Accessory	Description	Reference document	SWL¹	Max. DAF²
Lifting poles	Length range 570 – 1270mm	DS-LP-H-Productprogram	2.25t	1.3
Lifting beams TL-Profiles 900 - H profiles	fit for pipes diameter range 273,1- 355,6mm	Product Program: TL-Profile 0900	4.5t	1.3
Lifting beams TL-Profiles 1000 - H profiles	fit for pipes diameter range 88.9- 406.4mm	Product Program: TL-Profile 1000	4.5t	1.3
Lifting beams TL-Profiles 1200 - H profiles	fit for pipes diameter range 60.3- 508,0mm	Product Program: TL-Profile 1200	4.5t	1.3
1) SWL = Safe Working Load 2) DAF= Dynamic amplification factor				

The Design of Tubelock lifting poles and lifting beams are approved as individual loose gear parts according to DNV-ST-0378 when used as described in *TubeLock - User manual revision 9* and *TubeLock Product Overview: DS-0000-0000-GG-X-0001*, revision 7. The TubeLock assembly/system is not part of the approval

Each TubeLock 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 2.0xSWL.

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 0.3. 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

Following documents are stamped "Approved":

Drawing number	Revision	Title
WD-0658-1200-GG-P-0001	2	MODEL 1200 - 6 5/8" Welding Drawing
B-0001-0000-GG-P-0009	3	Padeye part drawing
T-0001-0000-GG-X-0001	A	H-Profiles
T-0001-0000-GG-X-0002	A	Lifting Pole
WD-000F-00AG-GG-P-0001	5	LIFTING POLE - SILVER Welding drawing
WD-000F-00AU-GG-P-0001	6	LIFTING POLE - GOLDEN Welding drawing

Following documents are stamped "For information":

Drawing number	Revision	Title
TL-0658-1200-GG-P-0001	B	PRODUCT 0658TU-1200
T-0001-0000-GG-X-0010	A	LOAD TEST PROCEDURE
T-0001-0000-GG-X-0009	A	LOADTEST PROCEDURE
T-0001-0000-GG-X-0008	B	NDT DRAWING
T-0001-0000-GG-X-0007	C	BOLT PLACEMENT DESIGN RULES
T-0001-0000-GG-X-0006	B	TRANSPORTATION OF SHORT PIPES DESIGN RULES
T-0001-0000-GG-X-0003	B	SLING AND PROFILE PLACEMENT
T-0001-0000-GG-X-0004	A	PACKAGE DIMENSIONS DESIGN RULES
GG-01-RA-00007	A	Calculation Documentation
DS-1200	2	PRODUCT PROGRAM: TL-PROFILE - 1200
DS-1000	1	PRODUCT PROGRAM: TL-PROFILE - 1000
DS-0000-0000-GG-X-0001	7	Product programme
TubeLock - User manual	09	TubeLock - User manual
T-0001-0000-GG-X-0005	B	PACKAGES WITH EMPTY SPACES DESIGN RULES
DS-LP-H-PRODUCTPROGRAM	1	DS-LP-PRODUCT PROGRAM

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