Certificate no.:
TAS00004F2

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Accommodation Ladder/Winch

with type designation(s)
50 ea Accommodation Ladder designs, 3.6 - 35 m length

issued to
Taizhou City Jingang Ship Machinery Co., Ltd.
100, **China**

is found to comply with
ISO 5488 Shipbuilding - Accommodation ladders

Application:

See next page.

Issued at **Høvik** on **2024-12-17**
This Certificate is valid until **2029-12-16**.
DNV local unit: **Nantong**

for **DNV**

Approval Engineer: **Axel Janson**

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.

Reference Standards

ISO 5488, Ships and marine technology - Accommodation ladders, second edition 2015

Product description

Accommodation Ladder models with the following specifications:

Drawing Number	Length (mm)	Step Distance (mm)
Q264JG-212-00	3600	300
Q264JG-214-00	4200	300
Q264JG-216-00	4800	300
Q264JG-218-00	5400	300
Q264JG-220-00	6000	300
Q264JG-222-00	6600	300
Q264JG-224-00	7200	300
Q264JG-226-00	7800	300
Q264JG-228-00	8400	300
Q264JG-230-00	9000	300
Q264JG-232-00	9600	300
Q264JG-234-00	10200	300
Q264JG-236-00	10800	300
Q264JG-238-00	11400	300
Q264JG-240-00	12000	300
Q264JG-242-00	12600	300
Q264JG-244-00	13200	300
Q264JG-246-00	13800	300
Q264JG-248-00	14400	300
Q264JG-250-00	15000	300
Q264JG-252-00	15600	300
Q264JG-254-00	16200	300
Q264JG-256-00	16800	300
Q264JG-258-00	17400	300
Q264JG-260-00	18000	300
Q264JG-252A-00	18200	350
Q264JG-254A-00	18900	350
Q264JG-256A-00	19600	350
Q264JG-258A-00	20300	350
Q264JG-260A-00	21000	350
Q264JG-262A-00	21700	350
Q264JG-264A-00	22400	350
Q264JG-266A-00	23100	350
Q264JG-268A-00	23800	350
Q264JG-270A-00	24500	350
Q264JG-272A-00	25200	350
Q264JG-274A-00	25900	350
Q264JG-276A-00	26600	350
Q264JG-278A-00	27300	350
Q264JG-280A-00	28000	350
Q264JG-282A-00	28700	350
Q264JG-284A-00	29400	350
Q264JG-286A-00	30100	350
Q264JG-288A-00	30800	350
Q264JG-290A-00	31500	350
Q264JG-292A-00	32200	350
Q264JG-294A-00	32900	350
Q264JG-296A-00	33600	350
Q264JG-298A-00	34300	350
Q264JG-2100A-00	35000	350

Application/Limitation

Parameter	Value
Nominal width:	0.6 m

Max. Load/step:	735 N / 75 kg
Max. Inclination Angle:	55°
Max. load - Bottom Plate:	150 kg
Max. load - Upper Plate:	4 000 N/m^2

Type Approval documentation

Testing

Prototype testing per ISO 5488 (2015) §8 was carried out and witnessed by DNV Nantong 2024.12.10.

After installation, onboard tests and inspection as specified in MSC.1/Circ.1331 §3.6 shall be carried out.

Marking of product

Marking of the accommodation ladders shall be performed in accordance with ISO 5488 §10.

Other conditions and comments

- All interface surfaces between aluminium and steel shall be properly isolated to prevent corrosion.
- The steps shall be fitted with anti-slip surface and be designed in accordance with §6.1.4 of ISO 5488.
- Accommodation ladder winches and associated loose lifting gear are not within the scope of this design approval.

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.

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