Certificate no.:
TAS00004YT

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Accommodation Ladder/Winch

with type designation(s)
20 ea Accommodation Ladder designs (18 200 - 30 800 mm)

issued to
Jiangyan City Marine Outfitting Co., Ltd.
Jiangyan, JIANGSU, **China**

is found to comply with
ISO 5488 Shipbuilding - Accommodation ladders

Application:

See next page.

Issued at **Høvik** on **2025-08-20**
This Certificate is valid until **2030-08-19**.
DNV local unit: **Nantong**

Approval Engineer: **Axel Janson**

for **DNV**

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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

Accommodation Ladder models with the following lengths:

18 200	25 200
18 900	25 900
19 600	26 600
20 300	27 300
21 000	28 000
21 700	28 000
22 400	28 700
23 100	29 400
23 800	30 100
24 500	30 800

Application/Limitation

Parameter	Value
Nominal width:	600 mm
Max. load/step:	735 N / 75 kg
Max. inclination angle:	55°
Max. load - Lower Platform:	4 000 N/m^2

- 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.
- All materials shall be delivered with 3.1 material certificates per EN-10204, or equivalent
- All welding to be carried out by qualified welders and according to procedures accepted by DNV surveyor
- Various components transferring the load like links, shackles, wire etc. shall be made according to recognized standards and be delivered with relevant certificates
- The connection to the ship structure shall be separately approved as part of the hull structure.

Type Approval documentation

Tests carried out

Prototype testing per ISO 5488 (2015) §8 was carried out and witnessed by DNV Nantong 2025.08.07.

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.

Certification

This Type Approval covers design only. The Type Approval is not valid for the final product but may be used as basis for obtaining a DNV Product Certificate. If a DNV Product Certificate is required, the following shall apply:

- Manufacturing survey shall be performed by a DNV Surveyor
- Testing of each gangway shall be witnessed by a DNV surveyor

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 periodical assessments are performed with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE