

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Accommodation Ladder/Winch

with type designation(s)
A30-14

Issued to

Tyne Gangway (Structures) Ltd.
Wallsend, Tyne & Wear, United Kingdom

is found to comply with

ISO 5488 Shipbuilding - Accommodation ladders

GL Rules for Classification and Construction VI - Additional Rules and Guidelines Part 2 - Loading Gear Chapter 4 - Guidelines for the Construction and Testing of Accesses to Ships
DNV GL standard DNVGL-ST-0377 - Standard for shipboard lifting appliances

Application :

Product(s) approved by this certificate is/are accepted for DNVGL product certification and for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2018-06-14**

This Certificate is valid until **2023-06-13**.

DNV GL local station: **Newcastle-upon-Tyne**

for **DNV GL**

Approval Engineer: **Stefan Heuer**

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Jörg Kallies
Head of Section

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.



Product description

Accommodation ladders of type A30-14/L/#

L = Length in [m]

= Type of stanchion (F=folding, R=ropes and stanchions)

P = Pilot use (optional)

Example type description: A30-14/17.5/F/P

Application/Limitation

- Ladder length L = 2.5 up to 20.5m
- Ladder breadth B = 0.6m
- Pilot transfer
- Inclination against the horizontal: max. 55° (45° for pilot use)
- Safe working loads:

Item	ISO 5488:2015	GL VI-2-4:1983
Ladder body	735 N (75kg per step)	$L \leq 15\text{m}$: $L \times B \times \cos 30^\circ \times 4 \text{ kN/m}^2$ $L > 15\text{m}$: $L \times B \times \cos 30^\circ \times (3 + (30 - L)/15) \text{ kN/m}^2$
Platforms	4 kN/m ²	6 kN/m ²
Handrail	500 N/m	500 N/m 750 N/m (pilot transfer)

Non-compliance ISO 5488:2015

The accommodation ladders were not found in line with the following paragraph of ISO 5488:

- Point 6.3.2: Anodic oxidation treatment on surface of aluminium parts (missing)

The accommodation ladder might be DNVGL product certified according to ISO 5488:2015 & DNVGL-ST-0377 with above mentioned exception if the customer is informed about and agrees to the non-compliance.

Product certification

To obtain DNV GL Product Certificates*, each accommodation ladder shall be subject to:

- DNV GL Manufacturing survey**
- Static load tested with $LP_{stat} = 1.25 \times SWL$

*) Variants: ISO 5488:2015 & DNVGL-ST-0377 or GL VI-2-4 and DNVGL-ST-0377

**) Certification requirements for interchangeable components and rope: Works product certificate(s)

Type Approval documentation

Marking of product

Each gangway shall be marked (at both ends) by the manufacturer with at least:

- manufacturer's name or trademark
- serial number
- year of construction
- design load (SWL)
- self weight (WT)
- max. and min. operating angle

Periodical assessment



Job Id: **262.1-029030-1**
Certificate No: **TAS00001HJ**

For retention of the Type Approval, a DNV GL Surveyor shall perform a periodical assessment after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE