

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Accommodation Ladder/Winch

with type designation(s)
D114-15

Issued to

Tyne Gangway (Structures) Ltd.
WALLSEND TYNE AND WEAR, United Kingdom

is found to comply with

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
ISO 5488 Shipbuilding - Accommodation ladders
DNV GL standard DNVGL-ST-0377 – Standard for shipboard lifting appliances

Application :

Product(s) approved by this design type approval is/are accepted for DNV GL product certification.

This Certificate is valid until **2021-12-13**.

Issued at **Hamburg** on **2016-12-14**

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

Approval Engineer: **Stefan Heuer**

for **DNV GL**

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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.

Job Id:
Certificate No: **TAS00000U3**

Product description

Telescopic accommodation ladder

Application/Limitation

- Ladder length L = 10.5m
- Ladder breadth B = 0.6m
- Inclination against the horizontal: min. 20° up to max. 55°
- Safe working loads:

Item	ISO 5488:2015	GL VI-2-4:1983
Ladder body	2550 kg (75kg per step)	2225 kg (LxBx4kN/m ² xcos 30°)
Platforms	4 kN/m ²	6 kN/m ²
Handrail	500 N/m	500 N/m

- No pilot transfer

Each accommodation ladder shall be product certified by DNV GL:

Static test load: LPstat = 1.25 x SWL

For installation on DNVGL classed vessels, GL VI-2-4 applies.

The accommodation ladder winch is not part of this design type approval.

Type Approval documentation

The approval is based on the following drawings verified by DNVGL with Job ID: MCAPL35467502-1:

DNV GL No	Drw No	Sheet	Rev	Title
1	D114-15	1	5	10.5m TELESCOPIC C.S.ACC. LDR. & SELF-STOWING GEAR
2	D114-15	2	1	10.5m TELESCOPIC C.S.ACC. SPECIFICATION
3	D114-15	2a	1	FOLDING STANCHIONS SPECIFICATION
4	D114-15	3	1	TELESCOPIC LADDER SHEAVE/ ROLLER BRACKETS
5	D114-15	4	1	TELESCOPIC LADDER END SHEAVE HOUSING
6	D114-15	5	2	SELF-STOWING GEAR SPECIFICATION
7	D114-15	6	2	SELF-STOWING GEAR SPECIFICATION
8	ROL6/PL	1	1	Ø6" Sheave

Tests carried out

Product test witnessed by DNVGL dated 2016-11-28, Certificate No: N141BV9A

Product test witnessed by DNVGL dated 2016-10-23, Certificate No: N141BV98

Marking of product

Each accommodation ladder shall be marked (at both ends of the ladder frame) by the manufacturer with at least (MSC.1/Circ.1331, Point 3.5 and ISO 5488:2015, Point 10):

- manufacturer's name or trademark
- serial number
- year of construction
- design loads (SWL) ladder body and platforms
- max. and min. operating angle