

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Gangway

with type designation(s)
2200, 2210, 2197, 2397

Issued to

Fr. Fassmer GmbH & Co. KG
Berne/Motzen, Germany

is found to comply with

ISO 7061:2015(E) – Ships and marine technology – Aluminium shore gangways for seagoing vessels

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 **2018-07-02**

This Certificate is valid until **2023-07-01**.

DNV GL local station: **Rostock**

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

- Gangways type 2200: "Type A" with pluggable handrail
- Gangways type 2210: "Type A" with fixed handrail
- Gangways type 2197: "Type B" with pluggable handrail and pawl-hook
- Gangways type 2397: "Type B" with pluggable handrail and headhook

Application/Limitation

Type A gangways

- SWL: 4 kN/m²
- inclination: max. 30°

Type B gangways:

- SWL: 735N / step (ISO)
- SWL: 4 kN/m² x cos 30° (GL)
- inclination: 30° up to 55°

Dimensions and profiles

Gangway type		2200	2210	2197	2397
Length [m]	Breadth [m]	Profile	Profile	Profile	Profile
2,0	0,6	6	-	-	-
2,5	0,6	6	-	-	-
3,0	0,6	6	6	-	-
3,5	0,6	6	6	-	-
4,0	0,6	6	6	6	6
4,5	0,6	6	6	6	6
5,0	0,6	6	6	6	6
5,5	0,6	6	6	6	6
6,0	0,6	6	6	6	6
6,5	0,6	6	6	6	6
7,0	0,6	6	6	6	6
7,5	0,6	8	8	8	8
8,0	0,6	8	8	8	8
8,5	0,6	8	8	8	8
9,0	0,6	8	8	8	8
9,5	0,6	10	10	10	10
10,0	0,6	10	10	10	10
10,5	0,6	10	10	10	10
11,0	0,6	10	10	10	10
11,5	0,6	11	11	11	11
12,0	0,6	11	11	11	11
12,5	0,6	11	11	11	11
13,0	0,6	11	11	11	11
13,5	0,6	12	12	12	12
14,0	0,6	12	12	12	12
14,5	0,6	12	12	12	12
15,0	0,6	12	12	12	12
15,5	0,6	16	16	-	16
16,0	0,6	16	16	-	16
16,5	0,6	16	16	-	16
17,0	0,6	16	16	-	16
17,5	0,6	16	16	-	16
18,0	0,6	16	16	-	16
18,5	0,6	16	16	-	16
19,0	0,6	16	16	-	16
19,5	0,6	16	16	-	16
20,0	0,6	16	16	-	16

Non-compliance ISO 7061

Job Id: **262.1-026132-1**
Certificate No: **TAS00001HH**

The gangways were not found in line with the following paragraph of ISO 7061 Edition 2015:
- Point 7.16.2: Anodic oxidation treatment on surface of aluminium parts (missing)

The gangways might be DNVGL product certified according to ISO 7061:2015 & 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 gangway shall be subject to:

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

*) Variants: ISO 7061 & DNVGL-ST-0377 or GL VI-2-4 and DNVGL-ST-0377

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

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