



Certificate No:
TAS00003E0

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Gangway

with type designation(s)
Modular aluminium gangway

Issued to

MTQ Maritime Aluminium Products B.V. Hodn Marteq B.V.
Dordrecht, Zuid-Holland, Netherlands

is found to comply with

DNV standard DNV-ST-0358 – Offshore gangways

Application :

Type 4 gangway

Issued at **Høvik** on **2022-04-22**

This Certificate is valid until **2027-04-21**.

DNV local station: **Netherlands VMC**

for **DNV**

Approval Engineer: **Thomas Henrik Tranesen**

.....
Per Esvall
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.

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 300,000 USD.



Form code: TA 251

Revision: 2021-03

www.dnv.com

Page 1 of 3

Product description

Equipment type: Type 4 gangway

Equipment use: 8m long modular sections that may be connected to form gangways with a length up to 32m

Intended use: onshore and offshore (connecting 2 fixed assets)

Application/Limitation

Minimum design temperature:	-20°C
Maximum design temperature:	+40°C
Design life:	25 years
Maximum design live load:	5.0kN/m ² @ 8m / 1 module 4.6kN/m ² @ 16m / 2 modules set 4.2kN/m ² @ 24m / 3 modules set 3.9kN/m ² @ 32m / 4 modules set

Maximum operation wind speed:	20.0m/s	
Maximum non-operational wind speed:	51.5m/s	(no live load)

Self-weight per module:	860kg
Operating angle:	horizontal

Type Approval documentation

Approval conditions

1. The approval does not cover the following:
 - Adequacy of the deck or any other supporting structure the module(s) is/are suspended from/to.
 - Snow and/or Ice accumulations
 - Corrosion and functionality in marine environment
 - The transit/parked condition.
2. The bolts/pins connecting the gangway sections are inspected according to designer's maintenance schedule for integrity and tightness. Assembly, pre-loading, regular inspections and replacement schedule according to designer's procedures.
3. Bridge to bridge connection pins shall be attached with a chain to the gangway section.
4. End connections of the gangway(s) are not covered by this Type Approval. This is end user responsibility to ensure that physical supports reflect boundary conditions as presented in the design calculations, ref. dec.no. 21022-00R01 §6.4.
5. Installation lift (deployment, retrieval, etc) of the gangway(s) is not cover by this Type Approval.

Tests carried out

The gangway step design and non-slip capabilities shall be evaluated for suitability to the satisfaction of the attending surveyor (for certification).

For issuance of the DNV Product Certificate for a module, each module shall be load tested as part of a 4-module configuration in presence of DNV Surveyor. Test loads shall be carried out in accordance with DNV-ST-0358 Section 7.

For issuance of the DNV Product Certificate for the 2-, 3- and 4-module set, the set shall be load tested in the presence of DNV Surveyor. Test loads shall be in accordance with DNV-ST-0358 Section 7.

Marking of product

Each module or set shall be marked in accordance with DNV-ST-0358 Section 7.5.

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



Job Id: **262.1-037215-1**
Certificate No: **TAS00003E0**

validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE