DNV·GL

Certificate No:
TAS000020S

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Gangway

with type designation(s)
3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m, 11m, 12m, 13m, 14m, 15m

Issued to
Jiangsu Lisheng Marine Equipment Manufacturing Co.,Ltd.
Jiangyan, 100, China

is found to comply with
ISO 7061:2015(E) – Ships and marine technology – Aluminium shore gangways for seagoing vessels

Application :

Used as ship to shore gangways for means of embarkation and disembarkation

Issued at **Høvik** on **2019-06-03**
This Certificate is valid until **2024-06-02** .
DNV GL local unit: **Nantong**

Approval Engineer: **Chi Wan Bang**

for **DNV GL**

Aldo Matteucci
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.

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Product description

Type A decking gangway with the maximum inclination degree of 30 degree, with the following dimensions:

- Length = 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m, 11m, 12m, 13m, 14m, 15m
- Width = 600 mm

Application/Limitation

- This Type Approval covers design(s) only. i.e. the Type Approval is not valid for the final product, but may be used as basis for obtaining a product certificate.
- The connection to the ship's structure is to be approved in connection with approval of hull structure.
- All materials shall be delivered with Material certificates equal to minimum EN-10204:2005 3.1.
- All welding to be carried out by qualified welders and according to procedures acceptable to the surveyor.
- The various components transferring the load like links, shackles, wire etc. shall be made according to recognized standards and be delivered with relevant certificates for grade of material and testing.
- The handrail rope shall be according to ISO 7061:2015(E) 7.9.
- Steps shall be spaced at regular intervals of 300mm to 400mm longitudinally according to ISO 7061:2015(E) 7.7.
- Individual gangways shall be subjected to the tests given in 9.2 if required by the purchaser.

Type Approval documentation

Tests carried out

Type tests given in ISO 7061:1993(E) 8.1 and 8.3 for one gangway of the longest design length for each stringer type were carried out on 2010-12-29.

Marking of product

Each gangway shall be marked according to ISO 7061:2015(E) 11 Marking and MSC.1/Circ.1331 §3.5 Marking.

Periodical assessment

For retention of the Type Approval, a DNV GL 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 DNVGL-CP-0338.

END OF CERTIFICATE