

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Launching Structures for Lifesaving**with type designation(s)
BD-SA30A

Issued to

**Boatbuilding Yard, Qingdao Beihai Shipbuilding Heavy
Industry Co., Ltd.
Qingdao Shandong, China**is found to comply with
IMO/SOLAS 1974 as amended in IMO Res. MSC 47(66) and the LSA Code (MSC 48(66))**Application :****Combined liferaft/recue boat davit**Issued at **Høvik** on **2018-01-04**This Certificate is valid until **2023-01-03**.for **DNV GL**DNV GL local station: **Qingdao**Approval Engineer: **Xiao Long Eric Song**

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 Examination Certificate and not to the approval of equipment/systems installed.



Product description

Combined liferaft/recue boat davit with:

- Maximum Working Load, MWL = 30kN
- Maximum Hoisting Load, MHL = 14kN
- Wire rope diameter = 20 mm

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

(Ref.: TNANO375/PJFC/262.1-014484-J-14 dated 2013-05-27)

Tests carried out

Prototype testing according to IMO Resolution MSC 81(70) carried out 2013-06-05 and witnessed by DNV GL Qingdao.

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9 and the Directive.

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

Certificate Retention Survey

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