



Certificate no.:
TAS00004NW

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Buoy Shackles Type "A" and "B"

with type designation(s)

ASAC1506-15Z01

ASAC1506-15Z02

issued to

Jiangsu Asian Star Anchor Chain Co., Ltd.

JINGJIANG, JIANGSU, China

is found to comply with

DNV rules for classification – Ships

Application:

Approved for connecting anchor chains to mooring buoys

Issued at **Høvik** on **2025-02-18**

This Certificate is valid until **2030-02-17**.

for **DNV**

DNV local unit: **Jiangyin**

Approval Engineer: **Pierre-Eric Moulia**

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 USD 300 000.

Product description

Buoy Shackles Type "A" and "B" made in K3 grade for chains from Ø 20,55 mm to Ø 152 mm.

Application/Limitation

The approval is conditional that the manufacturer factory is approved by DNV for K3 grade material.

The shackle is to be used in connection with chains for ships.

The shackle shall be manufactured and tested in accordance with DNV-RU-SHIP-Pt3Ch11 Edition July 2024.

Individual Product Certificate is to be issued for each delivery.

Type Approval documentation

Tests carried out

For every order testing shall be carried out according to DNV-RU-SHIP-Pt3Ch11 Edition July 2024.

Marking of product

Each shackle shall be marked according to DNV-RU-SHIP-Pt3Ch11 Edition July 2024.

Periodical assessment

For retention of this Type Approval, a DNV surveyor shall perform a periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days). The objective of the periodical assessment is to verify that the conditions for the Type Approval have not been altered. (Ref DNV-CP-0338 Type approval scheme).

Validity of this certificate can be checked at <https://approvalfinder.dnv.com/>

Manufactured by:

Jiangsu Asian Star Anchor Chain Co., Ltd.
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China