



Certificate no.:
TAS00004Z8

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Weak Link

with type designation(s)
QAC250320WL

issued to

Qingdao Anchor Chain Co., Ltd.
Qingdao,, Shandong, China

is found to comply with

DNV rules for classification – Ships

Application:

for securing the chains inboard ends to the vessel structure, as per :

- DNV-RU-SHIP Pt.3 Ch.11 "Hull equipment, supporting structure and appendages" July 2025 item 2.1.5
- IACS Rec 10 "Chain Anchoring, Mooring and Towing Equipment" Rev.5 June 2023 item 1.3.2 (a)

Issued at **Høvik** on **2025-08-21**

This Certificate is valid until **2030-08-20**.

for **DNV**

DNV local unit: **Qingdao**

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

Weak Links from size Ø16mm to Ø70mm in K2 and K3 grades.

Application/Limitation

Weak Links are to be used for securing the chains inboard ends to the vessel structure.

The approval is conditional that the manufacturer is approved by DNV for K2 and K3 grade materials.

The links/chains shall be manufactured and tested in accordance with DNV-RU-SHIP Pt.3 Ch.11 July 2025.

Type Approval documentation

Tests carried out

The pre-determined breaking point Φ diameter is adjusted by breaking test(s) to reach the 15% and 30% range of the chain cable minimum breaking strength.

Marking of product

Marking shall be according to DNV-RU-SHIP Pt.3 Ch.11 July 2025 section 5.8 "Identification".

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:

Qingdao Anchor Chain Co., Ltd.
No.6 Lingshan Road, Lingshan Sub-District (Town), Jimo District, Qingdao Shandong
China