

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Special End Links

with type designation(s)
QAC1903-18C01-76SE
QAC1903-18C02-84SE

Issued to

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

is found to comply with

DNVGL-OS-E302 – Offshore mooring chain, Edition July 2018

Application :

To be used for Temporary and Mobile Mooring,
as defined in DNVGL-OS-E301 Position Mooring July 2018.

Issued at **Høvik** on **2019-06-11**

This Certificate is valid until **2024-06-10**.

DNV GL local station: **Qingdao**

for **DNV GL**

Approval Engineer: **Pierre-Eric Moulia**

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Inger-Helene Hals
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.



Job Id: **262.1-031291-1**
Certificate No: **TAS0000224**

Product description

Special End Links for Ø 76 mm and Ø 84 mm chains in R3, R3S and R4 grades.

Application/Limitation

The approval is conditional that the manufacturer is approved by DNVGL for making R3, R4 and R4S grade chains in Ø 76 mm and Ø 84 mm sizes.

The Special End Links are to be used in mooring chains for Temporary and Mobile Mooring as defined in Offshore Standard DNVGL-OS-E301 "Position Mooring" July 2018.

The chains including the Special End Links shall be manufactured and tested in accordance with Offshore Standard DNVGL-OS-E302 "Offshore Mooring Chain" July 2018.

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 DNVGL-OS-E302 July 2018.

Marking of product

Special End Link shall be marked according to Offshore Standard DNVGL-OS-E302 "Mooring Chain" July 2018 Ch2 Sec2 §2.12

Periodical assessment

For retention of this Type Approval, a DNVGL 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 DNVGL-CP-0338 Type approval scheme).