Certificate no.:
TAS00004HY

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Special End Links

with type designation(s)
FC013AR4&R5-76SE
FC014AR4&R5-84SE

issued to

Zhengmao Group Co., Ltd.

ZHENJIANG, JIANGSU, **China**

is found to comply with

DNV-OS-E302 – Offshore mooring chain, Edition July 2022
OCIMF Mooring Equipment Guidelines (MEG4), Fourth Edition 2018

Application:

to be used for Temporary and Mobile Mooring
as defined in DNV-OS-E301, Position Mooring, Dec 2024

Issued at **Høvik** on **2025-01-14**
This Certificate is valid until **2030-01-13**.
DNV local unit: **Nanjing**

for **DNV**

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

Special End Links for Ø 76 mm and Ø 84 mm chains in R4 and R5 grades.

Application/Limitation

The approval is conditional that the manufacturer is approved by DNV for making R4 and R5 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 DNV-OS-E301 “Position Mooring” Dec 2024.

The chains including the Special End Links shall be manufactured and tested in accordance with Offshore Standard DNV-OS-E302 “Offshore Mooring Chain” July 2022.

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-OS-E302 July 2022.

Marking of product

Special End Link shall be marked according to Offshore Standard DNV-OS-E302 “Mooring Chain” July 2022 Ch2 Sec2 §2.12

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:

Zhengmao Group Co., Ltd.
Wufengkou, Zhenjiang City, Jiangsu Province
China