

TYPE APPROVAL CERTIFICATE

This is to certify:**That the ϵ -DCCL Connector**with type designation(s)
DCL03.2.70R4-20TA

Issued to

Schmiedestück-Vertrieb Feuerstein GmbH
Hattingen, Nordrhein-Westfalen, Germany

is found to comply with

DNVGL-OS-E302 – Offshore mooring chain, Edition July 2018**Application :****to be used for Temporary Mooring**
as defined in DNVGL-OS-E301, Position Mooring, July 2018Issued at **Høvik** on **2020-08-20**This Certificate is valid until **2025-08-19**.DNV GL local station: **Essen**for **DNV GL**Approval Engineer: **Pierre-Eric Moulia**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 300,000 USD.



Job Id: **262.1-034397-1**
Certificate No: **TAS00002MX**

Product description

DCCL "Detachable Chain Connecting Link" in R4S grade for temporary mooring, for chains MBL up to 70 mm R4 (5156 kN).

Application/Limitation

The approval is conditional that the manufacturer is approved by DNVGL for R4S grade material.

The Connecting Links are to be used in connection with chains for Temporary Mooring as defined in Offshore Standard DNVGL-OS-E301 "Position Mooring" July 2018. (They have not been approved for mobile nor long term offshore mooring).

The Connecting 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

Each Connecting Link shall be marked according to Offshore Standard DNVGL-OS-E302 "Mooring Chain" July 2018 Ch2 Sec2 §1.4.1 & §3.9.

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).