

TYPE APPROVAL CERTIFICATE

This is to certify:**That the H links**

with type designation(s)

Type Approval_AA**Type Approval_AB****Type Approval_AC**

Issued to

VICINAY CADENAS, S.A.
GALDAMES, Vizcaya, Spain

is found to comply with

DNVGL-OS-E302 – Offshore mooring chain, Edition July 2018**Application :****To be used for Temporary, Mobile and Long Term Mooring, as defined in DNVGL-OS-E301
Position Mooring July 2018.**Issued at **Høvik** on **2018-10-25**This Certificate is valid until **2023-10-24**.for **DNV GL**DNV GL local station: **Bilbao**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.



Job Id: **262.1-030037-1**
Certificate No: **TAS00001SD**

Product description

This approval covers any size between Ø70mm and Ø200 mm. The H link dimensions are defined as a function of the chain diameter. The material shall be DNVGL-OS-E302 R grade.

Application/Limitation

The approval is conditional that the manufacturer is approved by DNVGL for the selected R grade material and size.

The H links are to be used in connection with chains for Temporary, Mobile and Long Term Mooring as defined in Offshore Standard DNVGL-OS-E301 "Position Mooring" July 2018.

The H 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 H links shall be marked according to Offshore Standard DNVGL-OS-E302 "Mooring Chain" July 2018 Ch2 Sec2 §1.4 & §3.9.

Periodical assessment

For retention of the Type Approval, a DNVGL surveyor shall perform a survey after 2 years and another one after 3,5 years (+/- 90 days), to verify that the type approval is complied with.