DNV·GL

Certificate No:
TAS000014F

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Anchor Swivel Shackle "A"

with type designation(s)
ASAC1705-29Z01-162A

Issued to
Jiangsu Asian Star Anchor Chain Co., Ltd.
JINGJIANG JIANGSU, China

is found to comply with
DNVGL-OS-E302 – Offshore mooring chain, Edition July 2015
DNV GL rules for classification – Ships

Application :

to be used in ships anchor chains
or
for Temporary and Mobile Mooring as defined in DNVGL-OS-E301, Position Mooring, July 2015

Issued at **Høvik** on **2017-08-07**
This Certificate is valid until **2022-08-06**.
DNV GL local station: **Jiangyin**

Approval Engineer: **Pierre-Eric Moulia**

for **DNV GL**

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.

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Product description

Anchor swivel shackles for K2, K3, R3, R3S, R4, R4S and R5 chain, sizes from 17.5 mm to 162 mm.

Application/Limitation

The approval is conditional that manufacturer is holding an Approval of Manufacturer DNVGL Certificate.

The shackle is to be used in connection with chains for ships, or in Temporary and Mobile Mooring lines as defined in Offshore Standard DNVGL-OS-E301 Position Mooring July 2015.

Depending on application, the shackle shall be manufactured and tested in accordance with DNVGL-RU-SHIP-Pt3Ch11 Edition July 2016, or Offshore Standard DNVGL-OS-E302 Offshore Mooring Chain July 2015.

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-RU-SHIP-Pt3Ch11 Edition July 2016, or to DNVGL-OS-E302 July 2015, depending on application.

Marking of product

Each shackle shall be marked according to DNVGL-RU-SHIP-Pt3Ch11 Edition July 2016, or to Offshore Standard DNVGL-OS-E302 July 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.