

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Mooring Swivel**with type designation(s)
SWIVEL SPS ASAC201606-06Z03

Issued to

Jiangsu Asian Star Anchor Chain Co., Ltd.
JINGJIANG JIANGSU, Chinais found to comply with
DNVGL-OS-E302 – Offshore mooring chain, Edition July 2015**Application :****To be used for Temporary and Mobile Mooring**
as defined in DNVGL-OS-E301, Position Mooring, July 2015Issued at **Høvik** on **2017-02-27**This Certificate is valid until **2022-02-26**.DNV GL local station: **Jiangyin**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.



Job Id: **262.1-025377-1**
Certificate No: **TAS00000XG**

Product description

Offshore mooring swivel in 10 different scalable sizes in R4 grade.

Application/Limitation

The approval is conditional that the manufacturer is approved by DNVGL to make R4 grade material.

The swivels are to be used in mooring lines for Temporary and Mobile Mooring as defined in Offshore Standard DNVGL-OS-E301 "Position Mooring" July 2015.

The swivels shall be manufactured and tested in accordance with 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-OS-E302 July 2015.

Marking of product

Each swivel shall be marked according to Offshore Standard DNVGL-OS-E302 "Mooring Chain" July 2015 Ch2 Sec2 §1.4.1 & §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.