

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Kenter Type Pear Shaped Detachable Connecting Link**with type designation(s)
ASAC2015-1207Z01-84

Issued to

Jiangsu Asian Star Anchor Chain Co., Ltd.
JINGJIANG JIANGSU, Chinais found to comply with
DNV-OS-E302 "Offshore mooring chain" October 2013**Application :****To be used for Temporary Mooring**
as defined in DNV-OS-E301, Position Mooring, October 2013**Product(s) approved by this certificate is/are accepted for installation on all vessels classed**
by DNV GL.This Certificate is valid until **2019-08-31**.Issued at **Høvik** on **2015-08-06**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: **262.1-020119-1**
Certificate No: **TAS000002H**

Product description

Brazilian Standard ABNT NBR 13715-5 Kenter Shackle to connect mooring chain to anchor shackle.

This approval covers size 84 mm in R3 grade.

Application/Limitation

The approval is conditional that the manufacturer is approved by DNVGL for R3 grade material.

The shackle is to be used in connection with chains for Temporary Mooring as defined in Offshore Standard DNV-OS-E301 "Position Mooring" October 2013.

The shackle shall be manufactured and tested in accordance with Offshore Standard DNV-OS-E302 "Offshore Mooring Chain" October 2013.

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 October 2013.

Marking of product

Each shackle shall be marked according to Offshore Standard DNV-OS-E302 "Mooring Chain" October 2013 Ch2 Sec2 §1.4.1 & §3.9.

Periodical assessment

For retention of the Type Approval, DNV surveyor shall perform a survey every second year and before the expiry date of this Certificate to verify that the conditions of the type approval are complied with.