

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Cargo Securing Devices**with type designation(s)
Bridge Fitting G2-2

Issued to

Kunshan Lucky Sea Industrial Co. Ltd
Kunshan, Chinais found to comply with
DNV GL rules for classification – Ships**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****MSL, tension (kN) 50****MSL, shear (kN)****MSL, compr. (kN)**This Certificate is valid until **2021-07-13**.Issued at **Hamburg** on **2016-07-14**DNV GL local station: **Shanghai CMC**Approval Engineer: **Mark-Oliver Wobig**for **DNV GL**-----
on behalf of Andree Orth
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.

Product description

Bridge Fitting G2-2

Application/Limitation

Load	Tension [kN]
Test Load	63
Breaking Load	100

Tests to be carried out:

- Production testing: At least 2% of the items delivered are to be selected and subjected to the test load.
- Material tests are to be included energy testing at -20°C, with the impact energy requirements acc. to DNVGL-ST-0068. The material shall be according to the approved drawings. Material certificates shall be 3.1 acc. to DIN EN 10204.

Type Approval documentation

Drawing No.	Rev.	Title
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K-BF1		Bridge Fitting
K-DTS		Threaded Shaft
K-BEF-3R		End Fitting
K-BEF-3L		End Fitting

Drawing approval No. DNVGL Ref.-No.: 95496/01 Date: 2001-11-16

Tests carried out

The prototype test was carried out in Kunshan, P.R. China, dated 2016-05-13 in accordance with the DNVGL-ST-0068.

Marking of product

Each item shall be marked by manufacturer for traceability.

Periodical Assessment

For retention of the Type Approval, a DNVGL surveyor shall perform a survey after 2 years, to verify that the Type Approval is complied with.