

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Cargo Securing Devices**

with type designation(s)

8015-07 Connecting Link**8015-10 Connecting Link,****8015-13 Connecting Link**

Issued to

Yoke Industrial Corp.**Taichung, Taiwan**

is found to comply with

DNV STC No. 2.23 Container Securing Devices**Standard for Certification No. 2.22 Lifting Appliances****Det Norske Veritas' Rules for Classification of Ships****EN 1677-1 Components for slings - Safety - Part 1: Forged steel components, Grade 8****Application :****Grade 8 connecting link used as Cargo Securing Devices and as Loose Lifting Gear.
For use below weather deck.**

Type	MSL, tension (kN)	MSL, shear (kN)	MSL, compr. (kN)
8015-07 Connecting Link	See page 2		
8015-10 Connecting Link	See page 2		
8015-13 Connecting Link	See page 2		

This Certificate is valid until **2019-06-29**.Issued at **Høvik** on **2015-08-06**DNV GL local station: **Kaohsiung**for **DNV GL**Approval Engineer: **Nina Thorvaldsen Moberg**

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.

Product description

This Type Approval Certificate replaces Type Approval Certificate S-6474.

Connecting link, type 8015-07
Connecting link, type 8015-10
Connecting link, type 8015-13

Application/Limitation

Breaking load (BL = MSL x 4):

Type	MSL/WLL*) [t]	Safety factor	BL [kN]
8015-07	2,0	4	78,5
8015-10	3,15	4	124
8015-13	5,3	4	208,0

*) MSL (Maximum Securing Load) for cargo securing device is identical to WLL (Working Load Limit) for loose lifting gear, in kN.

Tests to be carried out:

- Production testing: According to EN 1677-1, "Components for slings - Safety - Part 1: Forged steel components, Grade 8".
- Material tests are to include impact testing at 0° C, with the impact energy requirements according to DNV Standard for Certification 2.23 Sec. 3.5.4.

Materials should be according to approved drawings or equivalent, and to be delivered with works material certificates.

Products manufactured according to this TA shall be inspected by a DNV surveyor, and in addition the DNV GL surveyor shall witness the production testing and issue DNV product certificates for each batch. For Cargo Securing Device the product certificate should be according to DNV Standard for Certification 2.23 and include the text for use below weather deck only, while for Loose Lifting gear a product certificate on form CG3 is to be issued.

Type Approval documentation

Tests carried out

Prototype tested to breaking load in tension, in accordance with the Rules.



Job Id: **262.1-020179-1**
Certificate No: **TAS0000033**

Marking of product

Each item to be marked according to EN 1677-1, "Components for slings - Safety - Part 1: Forged steel components, Grade 8".

Periodical assessment

For retention of Type Approval, a DNV GL surveyor shall perform a survey every 2nd year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE