

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Hook**

with type designation(s)
Hooks DA-025 & DA-027N

Issued to

Yoke Industrial Corp.
Taichung, Taiwan

is found to comply with
DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2017-05-31**

This Certificate is valid until **2022-05-30**.

DNV GL local station: **Kaohsiung**

for **DNV GL**

Approval Engineer: **Antonio Sendin Alvarez**

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Aldo Matteucci
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

Equipment type: Hooks DA-025 & DA-027N with the following safe working loads

DA-025-13 → SWL = 6.7 tonnes
DA-025-16 → SWL = 10 tonnes
DA-025-20 → SWL = 16 tonnes
DA-025-22 → SWL = 19 tonnes
DA-025-26 → SWL = 26.5 tonnes

DA-027N-13W → SWL = 6.7 tonnes
DA-027N-16W → SWL = 10 tonnes
DA-027N-20 → SWL = 16 tonnes
DA-027N-22 → SWL = 19 tonnes
DA-027N-26 → SWL = 26.5 tonnes

Categorization: offshore cranes
Design dynamic factor: 1.3
Minimum design temperature: -20 degrees Celsius

Application/Limitation

1. All materials are to be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the type approval documentation.
2. Welding and NDT as specified in the type approval documentation are to be carried out by certified personnel.
3. It is the responsibility of the holder of the certificate to ensure that both design and production are in compliance with Rules, Standards and/or Regulations listed on page 1 of this type approval certificate.
4. The equipment has not been evaluated with respect to corrosion and functionality in sea water.

Type Approval documentation

Tests carried out

Prototype tests carried out on 2017-04-17 and 2017-05-09, and witnessed by DNV GL Kaohsiung.

In order to obtain a CG3 certificate, each lifting point shall be tested according to the DNVGL-ST-0378 Table 14-2 and NDT to be carried out according to DNVGL-ST-0378 Sec.3.11.13

Marking of product

Each lifting point is to be marked according to DNVGL-ST-0378 Sec.14.5.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform periodical surveys on dates agreed with the manufacture and before expiry date of this certificate in order to verify that the conditions of the type approval are complied with.

END OF CERTIFICATE