DNV·GL

Certificate No:
TAS000003K

TYPE APPROVAL CERTIFICATE

This is to certify:

That the High Holding Power Anchor

with type designation(s)
HHP Anchor 1000kg - 24750kg

Issued to
KTMI Co., Ltd.
Busan Busan, Republic of Korea

is found to comply with
Det Norske Veritas' Rules for Classification of Ships

Application :

Approved for use as High Holding Power Anchor according to DNV Rules for weights from 1000kg to 24750kg, with 25% weight reduction compared to ordinary stockless anchor.

This Certificate is valid until **2016-12-31**.

Issued at **Høvik** on **2015-08-26**

for **DNV GL**

DNV GL local station: **Pusan**

Approval Engineer: **Chi Wan Bang**

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.

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Product description

Welding type fully balanced stockless steel HHP anchor

Application/Limitation

- Surveyor is to issue DNVGL Product Certificate and each anchor is to be tested prior to issuance of this. Proof load applied is to correspond to the weight of a normal stockless anchor, which is 4/3 of the HHP anchor weight.
- Each anchor is also to be delivered with material certificates in compliance with above rules Pt.2, Ch.2, Sec.7 Table B2.
- Each anchor shackle is to be delivered in compliance with above rules Pt.3, Ch.3, Sec.3, D300.
- Non-destructive testing (NDT) and repairs are to be performed.

Type Approval documentation
Tests carried out

Marking of product

Each anchor shall be marked according to above rules Pt.3, Ch.3, Sec.3, D700.

Periodical assessment

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

END OF CERTIFICATE