

TYPE APPROVAL CERTIFICATE

This is to certify:

That the High Holding Power Anchor

with type designation(s)
HHP PTW® ANCHOR 12kg - 10800kg

Issued to

POSIDONIA SRL
Novi Ligure AL, Italy

is found to comply with

DNV GL rules for classification – Ships
DNV GL rules for classification – High speed and light craft

Application :

Approved for use as High Holding Power Anchor according to DNV GL Rules for weights from 12kg to 10800kg, with 25% weight reduction compared to ordinary stockless anchor.

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

Issued at **Høvik** on **2017-08-28**

This Certificate is valid until **2018-06-30**.

DNV GL local station: **Genoa**

for **DNV GL**

Approval Engineer: **Chi Wan Bang**

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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.



Job Id: **262.1-012974-3**
Certificate No: **TAS00000WV**

Product description

HHP PTW® ANCHOR 12kg – 10800kg

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. Relevant NPT shall be performed after proof load testing according to Pt.3 Ch.11 Sec.1 [4.5].
- Each anchor and anchor shackle are to be delivered with required material certificates in accordance with Pt.3 Ch.1 Sec.3 Table 2 with the specifications from the approved drawing below.
- All welding shall be carried out in accordance with approved welding procedures using approved welding consumables and carried out by qualified welders.

Type Approval documentation

Tests carried out

Seabed test carried out on 2012-02-28, witnessed by ABS. Additional test: Shore Test Report No. 6366 and 6367, seabed test carried out on 2013-11-13, witnessed by BV.

Marking of product

Each anchor shall be stamped with the marks according to Pt.3 Ch.11 Sec.1 [4.7].

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