DNV·GL

Certificate No:
TAS00001NX

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Watertight Door

with type designation(s)
BOH.0340 Watertight hinged door

Issued to
BOHAMET S.A.
Biale Blota, Poland

is 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.

Issued at **Høvik** on **2018-10-02**
This Certificate is valid until **2023-10-01**.
DNV GL local station: **Gdansk CMC**

Approval Engineer: **Alessandro Russo**

for **DNV GL**

Arild Rogne
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

These watertight hinged doors are made of:

- S235JR Door leaf
- S355JR Stiffeners

Variants:

Name	Height & Breadth (in light) [mm]	Number of levers [n.]	Design Pressure [kN/m^2]
Model I	1200 ≤ Height ≤ 2200 900 ≤ Breadth ≤ 1100	10	40
Model II	1200 ≤ Height ≤ 2200 600 ≤ Breadth < 900	8	40

All glass shall be of safety toughtened quality.

Application/Limitation

The door has been Type Approved with respect to watertightness only.

The watertight doors are found to comply with DNVGL-RU-SHIP Pt.3 Ch.12 Sec.3 (July 2018) for maximum design pressures as specified above.

The design pressure at the location where the doors are to be fitted shall be equal or less than the pressure above.

Dimensions of the light opening of the doors can be smaller than shown on the drawings, provided that scantlings and distance between the cleats and the spacing of the stiffeners are maintained.

The Type Approval does not cover the supporting structure of the doors, which is subject to approval.

Interface showing door frame and bulkhead shall be submitted for case-by-case approval by yard/end user.

Particular consideration shall be given if located in highly stressed areas or in areas critical to fatigue from global hull loads.

Use of windows and side scuttles:

Windows/side scuttles in doors are not permited if doors will be installed below damaged waterline.

Installation procedures:

To be in accordance with manufacturer's procedures for the door specified.

Type Approval documentation

Basis for approval is document named BOH.0340 provided by Bohamet.

Tests carried out

Each door shall be hydrostatically tested, from the side which is most prone to leakage, according to DNVGL-RU-SHIP Pt.2 Ch.4 (July 2018) before installation on board.

The complete door installation is to be functionally tested onboard.

The tests are to be witnessed by a DNV GL surveyor.

Prototype test has been carried out on 19.05.2014 in presence of DNV GL surveyor.

Marking of product

The product is to be marked with the following info:

- Manufacturer's name or brand
- DNVGL Type Approval Certificate No. TAS00001NX
- Type designation
- Max allowable design pressure as specified above

Periodical assessment

DNV GL surveyor has the permission to perform Certification Retention Survey at any time during the validity period of this certificate.

Periodical assessment will be required after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNVGL-CP-0338.