

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Weathertight Door**

with type designation(s)

**BOH.0331(W) Weathertight Aluminium Door, (W): with Portlight or Window, BOH.0335(W)
Weathertight Aluminium Door, (W): with Portlight or Window**

Issued to

**BOHAMET S.A.
Biale Blota, Poland**

is found to comply with

**DNV GL rules for classification – Ships
DNVGL-OS-C301 – Stability and watertight integrity****Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.**Issued at **Høvik** on **2019-04-24**This Certificate is valid until **2024-04-23**.for **DNV GL**DNV GL local station: **Gdansk CMC**Approval Engineer: **Tomasz Kapella**

**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

Single-leaf weathertight doors made from aluminium with two types of toggles arrangement and optional scuttle or window.

Application/Limitation

The doors have been Type Approved with respect to weathertightness only.

The doors which shall open outwards from the area to be protected, complies with the requirements for a weathertight door as required in DNVGL-RU-SHIP Pt.3 Ch.12 Sec.2 (July 2018) and DNVGL-OS-C301 Ch.2 Sec.2 [4] (January 2018) for a maximum design sea pressure as listed in the table.

Position 1 and 2 in the table is the location as defined in the International Convention on Load Lines, 1966, Reg.13

A door with scuttle or window which protect openings to below freeboard deck or openings into enclosed superstructures or deckhouses that are considered buoyant on the freeboard deck shall on the inside be arranged with a readily accessible hinged deadlight.

Model BOH.0331	Door opening size Height (h) Width(w) [mm]	Toggles, nos of [long+shorter ends]	Position 1	Position 2	Design Pressure [kN/m ²]
					Door pane 8 mm
I	1600 < h < 2200 750 < w < 1100	5 (3+1+1)	n/a	X	8
II	1600 < h < 2200 500 < w < 749	3 (3+0+0)	n/a	X	15.5
III	1200 < h < 1599 750 < w < 1100	4 (2+1+1)	X*	X	9.7
IV	1200 < h < 1599 500 < w < 749	2 (2+0+0)	X*	X	16.6

Model BOH.0335	Door opening size Height (h) Width(w) [mm]	Toggles, nos of [long+long+sho rter ends]	Position 1	Position 2	Design Pressure [kN/m ²]
					Door pane 8 mm
I	1600 < h < 2200 750 < w < 1100	8 (3+3+1+1)	n/a	X	8
	1600 < h < 2200 500 < w < 749	8 (3+3+1+1)	n/a	X	15.5
II	1200 < h < 1599 750 < w < 1100	6 (2+2+1+1)	X*	X	9.7
	1200 < h < 1599 500 < w < 749	6 (2+2+1+1)	X*	X	16.6

*- Acceptable provided height of door opening h is equal or less than 1400mm.

Type Approval documentation

- BOH.0331, Rev1
- BOH.0331W, Rev1
- BOH.331.I.PS, Rev1
- BOH.331 Model1, Rev0
- DU.061.000.01, RevB
- DU.000.267.01, Rev4
- BOH.0331.W, Rev0
- BOH.0331.S, Rev0
- BOH.0331.WC, Rev0

Job Id: **262.1-017668-2**
Certificate No: **TAS00001Z1**

- BOH.0331.SC, Rev0
- Description of BOH.0335 type I and II

Tests to be carried out

The complete installation is to be function and leak tested onboard.
The tests are to be witnessed by a DNV GL surveyor.

Marking of product

The product is to be marked with:

- Manufacturer's name or brand
- DNV GL Type Approval Certificate No. TAS00001Z1
- Type designation
- Design pressure

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.