DNV·GL

Certificate No:
TAS00002F9

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Weathertight Door

with type designation(s)
Weathertight steel door type BOH.0150

Issued to
BOHAMET S.A.
Białe Błota, 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 **2020-06-05**
This Certificate is valid until **2025-06-04**.
DNV GL local station: **Gdansk CMC**

Approval Engineer: **Tomasz Kapella**

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.

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Product description

Single leaf steel weathertight doors with or without side scuttle/window.

Door sizes and design pressures given in table below.

Type	Max light opening (mm)		Corner radius (mm)	Amount of horizontal stiffeners (FB 50x6 for 6mm door leaf or FB 50x8 for 8mm door leaf)	Amount of toggles + hinges	Door leaf thickness (mm)	Max design pressure as Weathertight (kN/m2)
	Height	Width					
BOH.0150.I	2100	1000	30 or 100	4	5+3	8	35
BOH.0150.I	2100	800	30 or 100	4	5+3	8	53,5
BOH.0150.I	2100	600	30 or 100	4	5+3	8	88
BOH.0150.II	2100	1000	30 or 100	2	5+3	6	18,5
BOH.0150.II	2100	800	30 or 100	2	5+3	6	28
BOH.0150.II	2100	600	30 or 100	2	5+3	6	48

Application/Limitation

The doors have been Type Approved with respect to weathertightness only, i.e. fire integrity has not been considered.

The weathertight doors are found to comply with DNVGL-RU-SHIP July 2019 Pt.3 Ch.12 Sec.2 [4] for Weathertight doors and Sec. 6 for doors with installed windows or side scuttles.

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

A door with window on the freeboard deck may not protect openings leading below freeboard deck or openings into enclosed superstructures or deckhouses that are considered buoyant.

A door with window/side scuttle is to be fitted with a dead light if located in a position where dead light is required for window/side scuttle.

Dimensions of the light opening of the doors can be smaller than shown on the drawings, provided that scantlings, maximum distance between the cleats and fabrication method and material 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.

The complete installation shall be function and leak tested according to DNVGL-RU-SHIP Pt.2 Ch.4 Sec.8 July 2019.

Type Approval documentation

Drw No	Rev	Title
Types of BOH.0150 doors in relation to basic dimensions	-	Types of BOH.0150 doors
BOH.0150	1	Weathertight steel door type BOH.0150
BOH.0150W	1	Weathertight steel door type BOH.0150 (with window or scuttle)
BOH.0150.I	-	Weathertight steel door type BOH.0150 (model I)
BOH.0150.II	-	Weathertight steel door type BOH.0150 (model II)
BOH.0150.S	0	Fixed porthole for door
BOH.0150.SC	0	Side scuttle with cover for door, NW type
BOH.0150.W	3	Fixed window for door
BOH.0150.WC	0	Deadlights for windows in doors
BOH-0150.II-1		Door leaf
BOH-0150.I-1		Door leaf
BOH.0150.I-2		Flat bar coaming
BOH.0150.II-2		Door frame - coaming
Z-D-011-M-05	-	Locking element
Z-D-004-M-05	0	Hinge
Z-D-004-M-15	-	Hinge
Z-D-004-M-06	0	Hinge
Z-D-004-M-16	-	Hinge
Z-D-004-M-01	0	Hinge
Z-D-004-M-02	0	Hinge

Marking of product

The product is to be marked with the following info:
- Manufacturer’s name or brand
- DNVGL Type Approval Certificate No. TAS00002F9
- 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.