

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Weathertight Door**with type designation(s)
Knife Gate Hatch ND700

Issued to

MMC First Process AS
Fosnavåg, Norwayis found to comply with
DNV GL rules for classification – Ships**Application :****Product approved by this certificate is accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2018-01-08**This Certificate is valid until **2023-01-07**.DNV GL local station: **Høvik Tankers & Dry Cargo**for **DNV GL**Approval Engineer: **Grzegorz Wolski**

Sverre Olav Bergli
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: **262.1-027421-1**
Certificate No: **TAS00001BK**

Product description

Weathertight, sliding steel door for mounting on flanged pipes on external decks.

The opening is to have a maximum size of Ø700 mm, and closing is to be mounted with through bolts to the pipe flange.

Application/Limitation

The door may be fitted in locations where weathertight closing appliances are required for flanged pipes on external decks. The design pressure at the location where the door is fitted is not to exceed 70 kN/m².

The door is to be manually secured in closed position to ensure weathertightness.

The type approval does not cover the dimension and support of the pipe or arrangement for remote operation of the door.

Type Approval documentation

Loading and unloading system Valve Hydraulic activated, ND700 Drawing no. 1005437 Revision B

Tests carried out

Test performed and results accepted on 16.11.2017.

Marking of product

The hatch is to be marked with DNV Type Approval certificate number TAS00001BK.

Periodical assessment

DNV surveyor is to be given permission to perform Certification Retention Survey at any time during the validity period of this certificate. The arrangement is to be in accordance with procedure described in Item 4.3, Certificate Note No. 1,2.

END OF CERTIFICATE