DNV·GL

Certificate No:
TAF000012A

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class A Door

with type designation(s)
Series 3201-HYDRA ty. 41/C - A-60

Issued to
Wittur S.p.A.
Colorno PR, Italy

is found to comply with
DNV GL rules for classification – Ships
DNV GL offshore standards
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

Approved for use as lift-landing door of class A-60.

Max. clear opening 1600 x 2200 mm (width x height).

This certificate is recognized by Transport Canada.

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

Issued at **Hamburg** on **2018-11-23**
This Certificate is valid until **2023-11-22**.
DNV GL local station: **Milan**

Approval Engineer: **Pavel Golyshev**

for **DNV GL**

Jörg Kallies
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

"Series 3201-HYDRA ty. 41/C - A-60"
Lift landing doors composed of four telescopic sliding leaves. Each door leaf is made of 1.5 mm thick steel sheets, fitted on exposed side, and two layers of 12 mm thick GIPSBIFIRE (density 880 kg/m³). The GIPSBIFIRE is secured by steel retaining clips on unexposed side. The door frame is made of 3 mm thick "C" shaped steel profiles.

Total door leaf thickness is 25.5 mm.

For further details, see test report listed under Type Examination documentation below.

Application/Limitation

The lift-landing door is approved for use only as an integrated part of lift enclosure steel boundaries of Class A-60.

Maximum size of each door leaf: 446 mm x 2270 mm (width x height).

Any surface materials used on door leaves and door frame have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code parts 2 and 5 or IMO FTPC Parts 2 and 5 when in compliance with the 2010 FTP Code Ch. 5.2 and 8) when required according to relevant rules and regulations.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code, Annex 1, Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the products listed in this certificate are in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.