



Certificate no.:
TAF00001VF

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Horizontal Class A Hatches**

with type designation(s)
263TJS008 - Class A60 fire hatch cover

issued to

Taixing Traffic Machinery Facilities Factory
Taixing, 100, China

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

Approved for use as an integrated part of a horizontal fire retarding division of class A-60.

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

Issued at **Høvik** on **2023-11-15**

This Certificate is valid until **2028-11-14**.

for **DNV**

DNV local unit: **Jiangyin NB & CMC**

Approval Engineer: **Helge Bjørnara**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

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Product description

"263TJS008 - Class A60 fire hatch cover",
is a single leaf hinged hatch composed of hatch cover, gearing, hinges, hatch coaming, and linkage pressing device.

The hatch cover consists of 10 mm thick steel plate with stiffeners lined with 10 mm inorganic fireproof core board (density 1000 kg/m³, manufactured by Suzhou Youlian Marine Fitting) and insulated with 50 mm ceramic fibres (density 170 kg/m³, manufactured by Yixing Ocean Ship Material) and covered with a 2 mm decorative board. The hatch cover is fitted with a central gearing with handle on both sides connected to a linkage pressing device serving 12 cleats. The hatch cover is fitted with a ring plate with two grooves, one for fire-proof tape and one for EPDM packing, resting on the hatch coaming seat board. The hatch cover is fixed to the hatch coaming with a double torsion spring hinge device.

Hatch cover leaf thickness is 92 mm.

The hatch coaming consisting of a 12 mm steel ring plate lined with 10 mm inorganic fireproof core board (density 1000 kg/m³, manufactured by Suzhou Youlian Marine Fitting) and insulated with 50 mm ceramic fibres (density 170 kg/m³, manufactured by Yixing Ocean Ship Material) and covered with 8 mm steel inner pane. The hatch cover is resting on a seat board.

For further details, see drawings listed under Type Approval documentation below.

Application/Limitation

Approved for use as an integrated part of a horizontal fire retarding division of class A-60. Installation of the hatch in decks made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. hatch leaf size:	1134 mm x 1134 mm (L x B)
Max. clear hatch opening:	1000 mm x 1000 mm (L x B)
Hatch cover frame:	1134 mm x 1134 mm x 200-800 mm (L x B x H)

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules and regulations.

Note that this is a fire safety certificate which only covers fire technical properties (i.e., not to cover any evaluations related to watertightness, weathertightness, etc.).

The construction and installation are to be in accordance the type approval documents listed below and with the manufacturer's manual for installation.

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. FT23306 dated 28 August 2023 from Far East Fire Testing Centre, Shanghai, China.

Drawing No. 263TJS008-00 dated 2 March 2016 from manufacturer.
Drawing No. 263TJS008-01 dated 2 March 2016 from manufacturer.
Drawing No. 263TJS008-02 dated 2 March 2016 from manufacturer.
Drawing No. 263TJS008-03 dated 2 March 2016 from manufacturer.
Drawing No. 263TJS008-04 dated 2 March 2016 from manufacturer.
Drawing No. 263TJS008-05 dated 2 March 2016 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

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

Periodical assessment

DNV'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 DNV-CP-0338 Section 4.