

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
A0MW-D Type Class A-0 Double Open Steel Door

Issued to

QINHUANGDAO XINGYANG MARINE FITTING CO., LTD.
Qinhuangdao, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2015/559,**

Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code

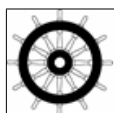
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-10-09**.

Issued at **Høvik** on **2016-10-10**

DNV GL local station:
Tianjin

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

"A0MW-D Type Class A-0 Double Open Steel Door"

Is a double leaf hinged door with door blade composed of one 8 mm steel plate stiffened with two horizontal and one vertical flatbar (50x12 mm).

Total thickness of door blade: 58 mm

Each door leaf is connected to the frame with 3 hinges, and closed to the frame at 8 (left side leaf) and 12 (right side leaf) fastening points with interconnected rods and transmission which is connected to handle on both sides of the door.

The door frame, made of 100x37x10 mm steel L-profile, is to be welded to the bulkhead. Rubber seal strip (35x20 mm) is fitted at the perimeter of the door leaf.

The door leafs may be fitted with:

- Window in the upper part of the door, type designation "Observation window with A0 Class Fireproof Glass" (manufactured by Qinhuangdao Xingyang Special Glass Co., Ltd.). Thickness: 8 mm.

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

Application/Limitation

The door is approved for installation in steel bulkheads of class A-0. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. door leaf size (left side):	1070 mm x 2160 mm (W x H)
Max. door leaf size (right side):	1056 mm x 2160 mm (W x H)
Max. clear opening of door:	2000 mm x 2100 mm (W x H)
Max. clear opening of window:	Ø380 mm

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

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

A fire door of marginally larger dimensions than a fire-tested fire door may be individually assessed and accepted by Flag Administration (or Recognized Organization acting on its behalf) for a specific project with the same classification, provided documented compliance with IMO MSC.1/Circ.1319.

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

Type Examination documentation

Test report No. FT15367 dated 3 November 2015 from "FEFTC" Far East Fire Testing Centre, China.

Drawing Nos. XY0540-00, XY0540-1, XY0540-2A, XY0540-2B, XY0540-3, XY0540-4, XY0540-5 and XY0540-6, all found in File No. QS7.0-TA1502 dated 24 August 2015 from QINHUANGDAO XINGYANG MARINE FITTING CO., LTD.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 68 minutes.



Job Id: **344.1-005539-3**
Certificate No: **MEDB000019X**

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

USCG approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.