

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAF00001H1
Revision No:
1

This is to certify:

that the **Class A and B Penetration**

with type designation(s)
RGP cable penetration - Non-loadbearing A-class

issued to

MCT Brattberg AB
Karlskrona, Sweden

is found to comply with

DNV's Interpretation of SOLAS 1974 Convention as Amended
DNV rules for classification – Ships
DNV offshore standards

Application:

Approved for use as cable penetration system in non-loadbearing A-class bulkheads for approved ship cables.

This certificate is recognized by Transport Canada.

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

Issued at **Høvik** on **2026-06-16**

This Certificate is valid until **2031-06-15**.

DNV local unit: **Sweden CMC**

Approval Engineer: **Helge Bjørnarå**

for **DNV**



Digitally Signed By:
Jowita Permoda
Location: **DNV Høvik, Norway**

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 USD 300 000.

Product description

RGP cable penetration - Non-loadbearing A-class,

is a circular multi-cable penetration system composed of a RGP frame inserted into a flanged sleeve on one side and a 60 mm deep Insulation Holder on opposite side. The frame is filled with MCT Insert Blocks (Standard Block, Handiblock, AddBlock, U-Block and Spareblock).

Insulation Holder:

It consists of 150 mm deep, and 0.6 mm thick steel frame bolted to the division. The Insulation Holder may be manufactured at site in accordance with drawing No. 1120286 and 1120287.

Sleeve type(s): SFRB

SFRB and Insulation holder are to be bolted to the bulkhead.

For further details, see drawing listed under Type Approval documentation.

Application/Limitation

Approved for use as cable penetration system in non-loadbearing A-class bulkheads for approved ship cables. Other applications are subject to case-by-case approval.

Class A-0, A-15 and A-30 shall be insulated as for A-60.

Non-loadbearing A-60 bulkhead:

Bulkhead consisting of CIS 100 panels (supplied by BD Systems). The panels, 100 mm thick x 600 mm wide, each comprised 0.7 mm thick galvanized steel facing each side of the 100 mm thick mineral wool core (density of 144 kg/m²).

The penetrations are only approved for use in constructions similar to the one used for testing. On a case by case basis, other equivalent constructions may be used when confirmed acceptable and documented by maker and found to be acceptable by the flag administration.

Table 1: Approved for non-loadbearing A-60 bulkhead:

Type	Size	Max cable diameter [mm]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Sleeve insulation
RGP	50 - 200	40	73 - 86	6	Inside bulkhead, flange on either side.	Insulation holder is filled with A-60 insulation. (1190518)

Any insulation used during the fire test, must be kept there also when used in divisions with lower rating than fire tested.

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

Type Approval documentation

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

Test report No. P101462-1006 dated 2 February 2018 from BRE Global, Watford, UK.

Drawing No. 1190518 Rev. A dated 9 September 2019 from manufacturer.

Drawing No. 1120286 Rev. B dated 23 October 2012 from manufacturer.

Drawing No. 1120287 Rev. B dated 23 October 2012 from manufacturer.

Tests carried out

Tested according to IMO FTP Code part 3.

Marking of product

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

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.



Job ID: **262.1-034723-6**
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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 Class Programme DNV-CP-0338, Section 4.

Manufactured by:

MCT Brattberg AB, Lyckeåborg 371 92 Karlskrona Sweden.