



UK CONFORMITY ASSESSMENT EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd), a UKAS accredited product certification body No. 23495, did undertake the relevant conformity assessment procedures for the marine equipment identified below which was found to be in compliance with the requirements of The Merchant Shipping (Marine Equipment) Regulations 2025 (SI 2025/1280), subject to any conditions in the schedule attached hereto.

Manufacturer	MCT Brattberg AB
Address	Lyckeåborg, Karlskrona, 371 92, Sweden
Reference	Merchant Shipping (Marine Equipment) Regulations 2025 (SI 2025/1280), MSN 1874 Amendment 11
Regulation Item (No. & Item Designation)	UK/3.26a Penetrations through 'A' Class divisions: electric cable transits
Product Type	Fire Resisting Penetration Seals
Product Description	MCT Brattberg Single/Multi Cable & Pipe Circular Penetration seals Type: "RGP" installed in MCT Brattberg Mild, Stainless Steel or Aluminium Circular frames Types: "S, SFR, SFRB and SFRBO"
Trade Name	"RGP" Penetration Seals
Specified Standard	IMO Res. MSC.307(88)-(2010 FTP Code), as amended, Annex 1 Part 3 IMO MSC.1/Circ. 1488.

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate is issued under the authority of the MCA. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved marine equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "United Kingdom conformity mark" may only be affixed to the above approved marine equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2025, is fully complied with and controlled by a written inspection agreement with an Approved Body.

Lloyd's Register Marine Limited (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Ltd. (8512)

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270998UKMB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and the Merchant Shipping (Marine Equipment) Regulations 2025 for the UK Type Examination of marine equipment for use on UK ships.

This Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number LR2351212UKMB-02.

APPROVAL/EXAMINED DOCUMENTATION**Test Reports**

BRE Global Ltd, Garston, United Kingdom, Fire Test Report Nos. P101462-1001 dated 14th September 2018, P101462-1002 dated 15th August 2018, P101462-1006 dated 2nd February 2018, P101462-1010 dated 27th November 2019, P101462-1014 dated 22nd November 2019, P101462-1015 dated 27th November 2019, and P128270-1001 dated 6 August 2025

DBI Danish Institute of Fire and Security Technology, Hvidovre, Denmark; Fire Test Report No. PGB10366A dated 6 August 2024

Manufacturer's drawings: 1190517 rev A, 1190518 rev B, 1190520 rev A, 1190521 rev A, 1190522 rev A, 1190523 rev A, 1190524 rev A, 1190525 rev A, 1190526 rev A, 1190527 rev A, 1240079 rev A & 1240439 rev A

CONDITIONS OF CERTIFICATION

1. When used in conjunction with A-60 Class steel or A-60 Class aluminium bulkheads and decks with approved insulation arrangements, refer to MCT Brattberg installation drawings.
2. For applications in A-0, A-15, A-30 Class steel bulkheads and decks, a 200mm diameter ring of A-60 insulation is to be provided around one side of the bulkhead penetration or underside of deck penetrations. The insulation on penetration itself shall be as per the A-60 tested specimens.
3. RGP cable penetrations consisting of: MCT Brattberg mild, stainless Steel or Aluminium Frames filled with MCT Brattberg 60mm thick Lycron self lubricating transit blocks of type standard, add block, U block and Handi block.
4. RGP penetration with reinforced insert block BOF is available as EMC conversion.
5. RGP cable penetration is welded to the deck or bulkhead, two variants of frames available for welding S and SFR. S and SFR frame are fully welded to both sides of the division.
6. RGP transits may be bolted to the deck or bulkhead with two variants of frame: SFRB and SFRBO.
7. Tables 1-3 below detail penetration types and sizes.

Table 1. Aluminium A-60 division.

Frame Type	Sleeve Seal Type	Application	Penetration Size	Service	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP	Aluminium Bulkheads	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190522 rev A
S, SFR, SFRB, SFRBO	RGP	Aluminium Decks	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190520 rev A

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270998UKMB

Table 2. Steel A-60 divisions

Frame Type	Sleeve Seal Type	Application	Penetration Size	Service	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP	Steel Bulkheads	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190523 rev A, 1190524 rev A, 1190527 rev A
S, SFR, SFRB, SFRBO	RGP	Steel Bulkheads	RGP 300	Cable/Pipe	Centre Line, Exposed or unexposed	1190525 rev A, 1190526 rev A
S, SFR, SFRB, SFRBO	RGP with BOF block	Steel Bulkheads	RGP 70	Blown optical fiber duct	Centre Line, Exposed or unexposed	1240079 rev A
S, SFR, SFRB, SFRBO	RGP BTB LIGHT	Steel Bulkheads	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1090517 rev A
S, SFR, SFRB, SFRBO	RGP	Steel Decks	RGP 50-300	Cable/Pipe	Centre Line, Exposed or unexposed	1190521 rev A
S, SFR, SFRB, SFRBO	RGP with BOF block	Steel Decks	RGP 70	Blown optical fiber duct	Centre Line, Exposed or unexposed	1240439 rev A

Table 3. CIS 100 Sandwich Panelled A-60 Bulkhead.

CIS 100 Sandwich Panelled A-60 Bulkhead.					
Frame Type	Sleeve Seal Type	Penetration Size	Service	Collar Position	Drawing Reference
SFRB	RGP	RGP 50-200	Cable/Pipe	Exposed or unexposed	1190518 rev B

8. All cables used shall be fire-retardant and approved for use in marine applications, with diameter up to 110mm and blown optical fiber with diameter up to 18mm.
9. Cable transits are to be fitted with the as-tested insulation materials in all cases. Any modifications are subject to acceptance by the final project authority and the attending surveyor.
10. Composition, application and installation of subcomponents, including adhesives, seals and any fire retardants, to be maintained in production and used in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
11. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance System (Module D), a Product-Quality Assurance System (Module E) or a Product Verification Process (Module F), as applicable. The UK Conformity Mark cannot be affixed to the product until a conformity assessment module is in place.
12. Each item, batch or lot of the subject equipment is to be issued with a "UK Declaration of Conformity" and have the "UK Conformity Mark" affixed after a conformity assessment module is in place.
13. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270998UKMB

14. Should a change of Place of Production from that stated below be required i.e., where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
15. The manufacturer must keep a copy of the UK type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for a period of at least 10 years after the UK Conformity Mark has been affixed on the last product manufactured and, in no case for a period shorter than the expected life of the marine equipment concerned.

NOTE (FOR INFORMATION ONLY)

The following penetrations underwent a hydrostatic and pneumatic pressure test as detailed in table below and in the referenced documents: Lloyd's Register witness test reports no. QR14-5061 dated 17.05.2005; QR14-5070 dated 17.05.2005; Det Norske Veritas, Watertightness and Gastightness Test Reports No. N141GRC3, dated 22.11.2017, N141GRU3, dated 28.02.2018

Penetration Type	Hydrostatic Pressure	Pneumatic Pressure
RGP 50-200 All Block Types	5 bar	3 bar
RGP 300 All Block Types	3 bar	2 bar

PLACE OF PRODUCTION

MCT Brattberg AB
 Lyckeåborg
 SE-37192 Karlskrona
 Sweden

M. Walk

Marta Walk
 Senior Specialist, Fire & Safety
 Statutory Discipline Team, Marine & Offshore
 Lloyd's Register EMEA
For and on behalf of Lloyd's Register Marine Ltd.
(LRM Ltd) - UK Approved Body 8512

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.