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BSH 0800-S23/4822:013

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Certificate No: LR23232931MB-02

Issue Date: 12/01/2024

Expiry Date: 21/12/2026

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	MCT Brattberg AB
Address	Lyckeåborg, 371 92 Karlskrona, Sweden
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2023/1667
Regulation Item (No. & Item Designation)	MED/3.26b Penetrations Through 'A' Class Divisions: Pipe, Duct, Trunk Etc. Penetrations MED/3.26a Penetrations Through 'A' Class Divisions: Electric Cable Transits
Product Type	Fire Resisting Penetration Seals
Product Description	MCT Brattberg Single/Multi Cable Circular Penetration seals Types: "RGP" and "RGPO" installed in MCT Brattberg Mild, Stainless Steel or Aluminium Circular frames Types: "S, SFR, SFRB and SFRBO"
Specified Standard	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1, Part 3 IMO MSC.1/Circ.1488 Type approval requirements — SOLAS 74 Reg.II-2/9 Carriage and performance requirements — SOLAS 74 Reg.II-2/9; IMO MSC.1/Circ.1276
Row of the Regulation Item	Row 1 of 1
Trade Name	"RGP" "RGPO" Penetration Seals

Lloyd's Register Marine Deutschland GmbH, Überseeallee 10, D-20457 Hamburg, Germany.
A member of the Lloyd's Register group

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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 will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2023 26 May 2023 according to U.S. Coast Guard approval category USCG Module B number:

164.138

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production Module certificate (Module D, E or F).

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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A member of the Lloyd's Register group

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR23232931MB-02

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This Certificate Supersedes and is an Amendment of Certificate Number LR23232931MB.

Approval Documentation

MCT Brattberg drawings reference 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, DNV witness reports N141GRC3 dated 22 November 2017 and N141GRU3 dated 28th February 2018.

Test Reports

Building Research Establishment test reports 301124C dated 2nd March 2016, 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 and P101462-1015 dated 27th November 2019.

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 shall be as per the A-60 tested specimens.
3. "RGP" and "RGPO" 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. Tables 1-5 below detail penetration types and sizes.

Table 1. Aluminium A-60 Bulkheads.

Aluminium Bulkheads A-60					
Frame Type	Sleeve Type	Penetration Size	Cable/Pipe	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP/RGPO	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190522

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Table 2. Aluminium A-60 Deck.

Aluminium Decks A-60					
Frame Type	Sleeve Type	Penetration Size	Cable/Pipe	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP/RGPO	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190520

Table 3. Steel A-60 Bulkheads.

Steel Bulkheads A-60					
Frame Type	Sleeve Type	Penetration Size	Cable/Pipe	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP S	RGP 50	Cable/Pipe	Centre-Line	
S, SFR, SFRB, SFRBO	RGP/ RGPO	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1190523, 1190524, 1190527
S, SFR, SFRB, SFRBO	RGP/ RGPO	RGP 300	Cable/Pipe	Centre Line, Exposed or unexposed	1190525, 1190526
S, SFR, SFRB, SFRBO	RGP BTB LIGHT	RGP 50-200	Cable/Pipe	Centre Line, Exposed or unexposed	1090517

Table 4. Steel A-60 Decks.

Steel Decks A-60					
Frame Type	Sleeve Type	Penetration Size	Cable/Pipe	Collar Position	Drawing Reference
S, SFR, SFRB, SFRBO	RGP/RGPO	RGP 50-300	Cable/Pipe	Centre Line, Exposed or unexposed	1190521

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Table 5. CIS 100 Sandwich Panelled A-60 Bulkhead.

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

- 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). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
- Each item, batch or lot of the equipment is to be issued with a “Declaration of Conformity” and have the “Mark of Conformity” affixed after a conformity assessment module is in place.
- The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel 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.

Notes

The following penetrations underwent a hydrostatic and pneumatic pressure test.

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

Place of Production

MCT Brattberg AB
 SE-37 192 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 Deutschland
LRMD EC Distinguishing No. 2923

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