



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/3.26b Penetrations Through 'A' Class Divisions - Pipe, Duct, Trunk Etc. Penetrations
Product Type	Pipe Penetration (Standard Fire Test)
Product Description	Fire Resisting Single or Multiple Pipe Rectangular Penetration Seals – Type: “MCT Brattberg RGP Series” for A Class Steel Bulkheads and Decks
Trade Name	RGP 50 - 300
Specified Standard	IMO Res. MSC.307 (88)-(2010 FTP Code) 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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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)

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270338UKMB

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.

APPROVAL/EXAMINED DOCUMENTATION

BRE Global Ltd, Garston, United Kingdom, Fire Test Report No.: P125338-1001, Issue 2 dated 4 April 2024
 DBI Danish Institute of Fire and Security Technology, Hvidovre, Denmark; Fire Test Reports Nos.: PGB10366A, dated 6 August 2024, PGB10367A Revision 1, dated 24 March 2025
Manufacturer's Drawings: 1240351, Revision C & 1240359, Revision C

CONDITIONS OF CERTIFICATION

1. MCT Brattberg RGP round pipe transit consist of sleeve, RGP seal with insert block, add block of Lycron rubber, on both faces are fitted with hardware galvanized or stainless steel connected by a screw.
2. The RGP transit is available with outer diameters of 50, 70, 100, 150 and 200 mm, they are also available in imperial sizes 3", 4", 5", 6" and 8 ". All are designed for use with insert blocks 60 mm in length with exception for RGP-50s (L=30). Which has a length of 30 mm
3. RGP transits is welded to the deck or bulkhead, two variants of sleeve available for welding S and SFR. RGP transits may be bolted to the deck or bulkhead with two variants of sleeve: SFRB and SFRBO. Sleeve types are stainless steel or aluminium.
4. RGP transit is available as EMC conversion.
5. RPG Pipe Transits may be accepted for applications in A Class steel divisions, insulation arrangement for the penetrations are given in the tables below.

Table 1. RGP Pipe Transits in A-60 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGP	24mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.1
RGP	24-50mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.2
RGP	24-114,5mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.3
RGP	24-160mm	Steel Bulkhead	Unrestricted	A-60	1240351, rev. C, Fig.4
RGP	4-24mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.5
RGP	4-50mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.6
RGP	4-160mm	Steel Deck	Unrestricted	A-60	1240351, rev. C, Fig.7

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Table 2. RGP Pipe Transits in A-0 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
RGP	24mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.1
RGP	24-50mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.2
RGP	24-114.5mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.3
RGP	24-160mm	Steel Bulkhead	Unrestricted	A-0	1240359, rev. C, Fig.4
RGP	4-24mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.5
RGP	4-50mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.6
RGP	4-160mm	Steel Deck	Unrestricted	A-0	1240359, rev. C, Fig.7

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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)

RGP pipes transits 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, QR-328, dated 22.08.2007, 11203w, dated 15.06.2011; Det Norske Veritas, Watertightness and Gastightness Test Reports No. N141GRC3, dated 22.11.2017, N141GRU3, dated 28.02.2018

Transit	Size	Hydrostatic pressure test		Pneumatic pressure test	
		Water pressure	Hold time	Air pressure	Hold time
RGP	50 ¹⁾ -200	5 bar	30 min	4 bar	30 min
RGPbtb	50-200	5 bar	60 min	3 bar	30 min
RGPbtb	300	3 bar	60 min	2 bar	30 min

¹⁾ RGP-50 and RGP-50short (L=30) have been tested

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270338UKMB**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**

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