



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 Pipe Penetration Seals – Type: “MCT Brattberg SR, MSR & DB Series Pipe Glands” for A Class Steel Bulkheads and Decks
Trade Name	SR, MSR & DB Glands
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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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)

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. LR26270389UKMB

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 Reports Nos.: P101462-1022, Issue 2 dated 12 May 2021; P101462-1023 Issue 1, dated 20 December 2020; P101462-1025 Issue 1. dated 9 August 2022; P101462-1027 Issue 1 dated 4 January 2023, P125338-1001 Issue 1, 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

RISE Research Institutes of Sweden AB, Boras, Sweden; Fire Test Reports, Fire Test Report No.: O100409-1156471-1 dated 20 October 2023

Manufacturer's Drawings: 7250241, rev A, 7250234, rev A & 7250244, rev B

CONDITIONS OF CERTIFICATION

1. Consisting of MCT Brattberg round pipe glands with cylindrical silicone rubber bung tightened with two semicircular compression plates either bolted (MSR) or welded (SR) to the deck or bulkhead.
2. DB gland single pipe variant also accepted bolted to the deck or bulkhead. DB Gland available as EMC conversion.
3. SR gland double pipe variant approved (each pipe diameter max. 15mm).
4. The SR, MSR and DB Series 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. MSR pipe glands in A-60 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
MSR	4-12mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	7250241, rev A, Fig.1
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-60	7250241, rev A, Fig.2
MSR	4-20mm	Steel Bulkhead	Unrestricted	A-60	7250241, rev A, Fig.3
MSR	4-20mm	Steel Deck	Unrestricted	A-60	7250241, rev A, Fig.4

Table 2. SR pipe glands in A-60 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
SR	4-30mm	Steel Bulkhead	Unrestricted	A-60	7250234, rev A, Fig.1
SR	4-114.3mm	Steel Bulkhead	Unrestricted	A-60	7250234, rev A, Fig.2
SR	4-30mm	Steel Deck	Unrestricted	A-60	7250234, rev A, Fig.3
SR	4-114mm	Steel Deck	Unrestricted	A-60	7250234, rev A, Fig.4

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. LR26270389UKMB

Table 3. DB pipe glands in A-60 divisions

Seal	Maximum Pipe Diameter (mm)	Application	Penetration position	Rating	Drawing
DB	4-16mm	Steel Bulkhead	Unrestricted	A-60	7250244 rev. B, Fig. 1
DB	4-50mm	Steel Bulkhead	Unrestricted	A-60	7250244 rev. B, Fig. 2
DB	4-16mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	7250244 rev. B, Fig. 4
DB	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	7250244 rev. B, Fig. 5
DB	4-50mm	Steel Deck	Unrestricted	A-60	7250244 rev. B, Fig. 3

Table 4. DB pipe glands in A-0 deck

Seal	Model	Maximum Pipe Diameter (mm)	Penetration position	Rating	Drawing
DB	M16-150-30 up to M60-150-30	4-60mm	Unrestricted	A-0	7250244 Rev B, Fig. 6

5. Sleeves types MSR 20-63, SR 25-200 & DB 16-60.
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)

MSR, SR and DB penetrations were tested for a hydrostatic and pneumatic pressure of 5 Bar, as detailed in the referenced document: Lloyd's Register Witness Test Report No. 11212G dated 15.06.2011

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. LR26270389UKMB**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.