



Notified Body authorised by
BSH 0800-S23/4822:013

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Certificate No: LR26270388MB
Issue Date: 18/06/2026
Expiry Date: 17/06/2031

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, Karlskrona, 371 92, Sweden
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533
Regulation Item (No. & Item Designation)	MED/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
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 Res. MSC.1/Circ.1276/Rev.1, IMO Res. MSC.1/Circ.1655.
Row of the Regulation Item	1 of 1
Trade Name	SR, MSR & DB Glands

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 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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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 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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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26270388MB

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.

Approval 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

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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 are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
8. 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.
9. 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.
10. 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.

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



Place of Production

MCT Brattberg AB

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Sweden

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Marta Walk
Senior Specialist, Fire & Safety
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**For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923**