

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BFJ
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Penetrations through 'A' class divisions: - electric cable transits**

with type designation(s)
CHS-DMT-PD/BD

issued to

Taicang City Haisheng Marine Fittings Co., Ltd.
Taicang City, China

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.26a** (Row 1 of 1)
according to the following requirements:
SOLAS 74 Reg. II-2/9, IMO Res. MSC.1/Circ. 1655

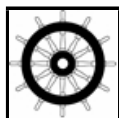
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-10-13**

Expiry date: **2030-10-12**

DNV local unit:
Shanghai

Approval Engineer:
Marcin Tobiasz



Notified Body
no.: **0098**

for **DNV SE**

Christine Mydlak-Röder
Head of Notified Body

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), as allowed by the Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment, signed February 27th, 2004, and amended by Decision No 1/2023 dated May 26th, 2023.
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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

"CHS-DMT-PD/BD"

is sealing compound cable penetration system composed of steel sleeve, CHS filling compound with 25 mm Sealing Putty Type DL2007 at each end of the sleeve for bulkhead applications and at lower end for deck applications.

Application/Limitation

Approved for use as cable penetration system in A-60 steel bulkheads/decks as specified in Appendix. Other applications are subject to case-by-case approval.

Approved for use in class A-0, A-15 and A-30 when the penetration system is insulated as A-60 and in addition the division is to be insulated with A-60 insulation at least 200 mm around the penetration.

Each product is to be supplied with its manual for installation and maintenance.

Please see Appendix: Application/Limitation

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire-technical rating, MED Mark of Conformity and USCG approval number if applicable (see first page).

APPENDIX

Application/Limitation

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Table 1: Approved cable penetration in A-60 steel bulkhead.

Type	Size (H x W) [mm]	Max. cable diameter (OD) [mm]	Filling ratio ¹⁾ [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Sleeve insulation
Round	Ø30 – Ø150	42	0 – 42	150	3	Symmetric	Partially insulated on one side
Oval	200x100 – 990x450	98	0 – 42	150	5	Symmetric	Partially insulated on one side

1) Min. distance between cable and sleeve and between cables is 3 mm.

Table 2: Approved cable penetration in A-60 steel deck.

Type	Size (H x W) [mm]	Max. cable diameter (OD) [mm]	Filling ratio ¹⁾ [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Sleeve insulation
Round	Ø30 – Ø150	42	0 – 42	150	3	Symmetric	Partially insulated on underside
Oval	200x100 – 990x450	98	0 – 42	150	5	Symmetric	Partially insulated on underside

1) Min. distance between cable and sleeve and between cables is 3 mm.



APPENDIX

Other

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Additional application/information for Watertightness/gastightness (Not part of the Marine Equipment Regulation requirement)

Product description

"CHS-DMT-PD/BD"

is sealing compound cable penetration system composed of steel sleeve, CHS filling compound with 25 mm Sealing Putty Type DL2007 at each end of the sleeve for bulkhead applications and at lower end for deck applications.

Application/Limitation

Approved for penetration in steel bulkheads or steel decks limited to a pressure of 2.5 bar watertightness (tested pressure 3.75 bar) and 0.2 bar gastightness (tested pressure 0.3 bar).

Penetration systems are not to be used for penetrating boundaries of tanks.

Each product or packing is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Watertight/Airtight test report No. 2024092501 dated 25 September 2024 from the manufacturer.

Tests carried out

Pressure tests with water and helium according to DNV-CP-0165.