



U. S. Department of Homeland Security  
**United States Coast Guard**  
**Certificate of Approval**

Coast Guard Approval Number: 164.140/10/0

Expires: 01 July 2026

PENETRATION SEALS H-CLASS

Roxtec International AB  
2 Rombvagen, 37165  
Lyckeby SWEDEN

"S" and "R" Series frames installed with Roxtec RM System including multidiameter technology and meeting restricted H-0 and H-60 criteria for steel bulkheads and decks. Tested to the 2010 IMO FTP Code, Annex 1, Part 3, utilizing the hydrocarbon curve from ASTM E1529.

Rectangular seals consist of Roxtec "S" series frames (S, SBTB, SF, SFH, SK, SRC 20 and SRC 40 in sizes 2x1 up to 8x1 and combinations 2+2x1 up to 8+8x7), RM Modules, Stayplates and Wedges. Round seals consisting of Roxtec "R" series frames (in sizes 70 up to 200), Sleeves and RM Modules.

Restricted approval: Penetration seal is approved as one-directional. Exterior side in drawings must be exposed to fire risk, other side of penetration seal must have zero fire risk.

Sealing systems to be installed per applicable manufacturer drawings with approved insulation.

Identifying Data: SwRI Project No. 01.24214.01.002 dated 14 February 2019, SwRI Project No. 01.24214.01.001 dated 11 February 2019; Follow-up document 01.2500.02.218; Roxtec drawing S1564093 Rev A dated April 22, 2021 (Bulkhead Transits: S Series 2+2x1 up to 8+8x7 Frames, Class H-0); Roxtec drawing S1565133 Rev A dated April 22, 2021 (Bulkhead Transits: S Series 2x1 up to 8x1 Frames, Class H-60); Roxtec drawing S1565486 Rev A dated April 22, 2021 (Deck Transits: S Series 2+2x1 up to 8+8x7 Frames, Class H-0); Roxtec drawing S1565654 Rev B dated July 14, 2021 (Deck Transits: S Series 2x1 up to 8x1 Frames, Class H-60); Roxtec drawing S1565488 Rev A dated April 22, 2021 (Deck Transits: R Series 70 up to 200 Frames, Class H-60); Roxtec drawing S1568034 Rev A dated June 10, 2021 (Deck Transit: S Series 8x1 Frame, Class H-0).

Follow-up Program: SwRI. Approval valid only for products manufactured at Roxtec International AB, Rombvagen 2, 37165, Lyckeby, Sweden.

Supersedes certificate dated July 1, 2021, updated drawings.

\*\*\* End \*\*\*

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 15<sup>th</sup> DAY OF  
JULY 2021, AT WASHINGTON D.C.



B. A. BALDWIN  
Chief, Lifesaving and Fire Safety Division  
BY DIRECTION OF THE COMMANDANT

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."