Certificate No: LR21456131SF
Issue Date: 17/10/2021
Expiry Date: 16/10/2026

Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

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Manufacturer	**LOROWERK**
Address	K.H. Vahlbrauk GmbH & Co. KG, Kriegerweg 1, Bad Gandersheim, 37581, Germany
Type	Pipe Penetration (Standard Fire Test)
Description	Fire Resisting Single Steel Pipe, Circular Penetration System – Type: "LORO-X" for applications in A Class steel bulkheads and decks.
Trade Name	"LORO-X" Single Steel Pipe, Circular Penetration System.
Specified Standard	IMO Res. MSC.307(88)-(2010 FTP Code) Annex 1, Part 3 IMO MSC.1/Circ.1488

Saji Abraham

Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

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