# **INTERNATIONAL STANDARD**

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## Ships and marine technology — Hydraulic hinged watertight fireproof doors

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### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="www.iso.org/directives">www.iso.org/directives</a>).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 8, Ships and marine technology, Subcommittee SC 8, Ship design.

### Introduction

rs sh anufacu or shipyar. Fire-proof doors shall comply with the requirements of IMO FTP-code. The standard provides reference for design, manufacturing and inspection of hydraulic watertight hinged fireproof doors, so it is not imperative for shipyards to implement the standard.

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# Ships and marine technology — Hydraulic hinged watertight fireproof doors

### 1 Scope

This International Standard specifies classification and designation, requirements, test method, marking, packaging, transport, and storage of hydraulic watertight hinged fireproof doors (hereinafter referred to as "watertight doors").

This International Standard is applicable to the design, manufacture, and acceptance of hydraulic watertight hinged fireproof doors with water pressure not more than 1,0 MPa used for ships, other floating structures and ocean engineering.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3796, Ships and marine technology — Clear openings for external single-leaf doors

ISO 8501-1, Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings

IEC 61162-1:2010, Maritime navigation and radio communication equipment and systems — Digital interfaces — Part 1: Single talker and multiple listeners

AWS D1.1/D1M;2008. Structural Welding Code — Steel

IMO Resolution MSC.302 (87), Adoption of performance standards for Bridge Alert Management

### 3 Classification and designation

### 3.1 Types

- **3.1.1** Depending on the opening direction, watertight doors shall be classified into two types (see Figure 1):
- Type R-Right-hand watertight door (the hinge stays right when the door opens towards the observer);
- Type L-Left-hand watertight door (the hinge stays left when the door opens towards the observer).