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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45488-2025

**Ships and marine technology - Fireproof watertight hatch
covers**

船舶与海上技术 防火水密舱口盖

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document is equivalent to ISO 24169:2022 "Fireproof and watertight hatch covers for ships and offshore technology".

1 Scope

This document specifies the classification, marking, requirements, test methods, Inspection rules, marking, packaging, transportation and storage.

This document applies to the design, manufacture and acceptance of fireproof and watertight hatch covers installed on ship decks with a water pressure of 0.1 MPa.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

ISO 8501-1 Surface preparation of steel substrates before application of paint - Visual

assessment of surface cleanliness - Part 1: Uncoated steel substrates of previous coatings)

Note: GB/T 8923.1-2011 Surface preparation of steel materials before coating, Visual assessment of surface cleanliness Part 1: Uncoated steel surfaces and Rust level and treatment level of steel surface after complete removal of the original coating (ISO 8501-1:2007, IDT)

IMO International Code for the Application of Fire Test Procedures, 2010, Resolution 307(88), as amended There are no terms or definitions that require definition in this document.

4.1 Type

4.1.1

Hatch covers are to be classified into the following two types according to their shapes.

- a) Type A. round hatch cover;
- b) Type B - square or rectangular hatch cover.

4.1.2

According to the fire protection level, watertight hatch covers are to be divided into three levels. A-60, A-30 and A-0.

4.2 Structure and main dimensions

4.2.1

An example of the structure and main dimensions of type A hatch covers is shown in Figure 1 and Table 1.