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

GB/T 3477-2023

Replacing GB/T 3477-2008

Marine weathertight single-leaf steel doors

船用风雨密单扇钢质门

(English Translation)

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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Opening direction
5 Classification and tagging
6 Technical requirements
7 Test methods
8 Inspection Rules
9 Marking, packaging, storage and transportation
Appendix A (informative) Structure and basic dimensions of escape devices and anti-theft devices
Reference

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document replaces GB/T 3477-2008 "Single-leaf weathertight steel doors for ships": Compared with GB/T 3477-2008, except for structural adjustments in addition to editorial changes, the main technical changes are as follows:

- Added terms and definitions (see Chapter 3);
- Added door opening method (see Chapter 4);
- Changed the classification and marking of doors (see Chapter 5, Chapter 3 of the:2008 edition);
- Added Class C and D reinforced single-leaf weathertight door types (see 5.2:1, 5:2:5 and 5:2:6);
- Added single-handle linkage crimping and center-opening linkage crimping devices (see 5.2:8, 5:2:9);
- Changed the main material of the door (see 6.1, 4:1 of the:2008 edition);
- Added security requirements (see 6.6):

This document was drafted with reference to ISO 6042:2015 "Weathertight Single-leaf Steel Doors for Ships and Marine Technology", and the degree of consistency is not equivalent:

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the opening direction, classification and marking, structure and main dimensions of marine weathertight single-leaf steel doors (hereinafter referred to as weathertight doors):

dimensions, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage:

This document is applicable to the design, manufacture and inspection of weathertight doors for access to superstructures above the freeboard deck and deckhouses of all types of ships:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 700-2006 Carbon structural steel GB/T 712-2022 Structural steel for ships and offshore engineering GB/T 1220-2007 Stainless steel rods GB/T 8923.1-2011 Visual assessment of surface cleanliness of steel surface preparation before application of coatings Part 1: Uncoated the corrosion grade and treatment grade of the steel surface and the steel surface after the original coating has been completely removed HG/T 4903-2016 Dynamic fully vulcanized thermoplastic elastomer (TPV) EPDM/polypropylene type

3 Terms and definitions

There are no terms or definitions to be defined in this document:

4 Open direction

The opening direction of the weathertight door is shown in Figure 1:

a) Left opening b) Right opening Index symbol description:

a---hinge

Figure 1 Door opening direction