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

GB/T 36665-2026

Replacing GB/T 36665-2018

**Ship and marine technology - Ship's mooring and towing
fittings - Cruciform bollards**

船舶与海上技术 船舶系泊和拖带设备 十字带缆桩

(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 4 Classification
- 5 Size

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".

This document replaces GB/T 36665-2018 "Ships and Marine Technology - Mooring and Towing Equipment - Cross-type Bollards", and is consistent with... Compared with GB/T 36665-2018, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2018 edition);
- b) The definition of the term "safe workload" has been changed (see 3.1, 2018 version 3.1);
- d) Increased requirements for under-deck reinforcement when installing cross-belt bollards (see 7.2);
- e) The nature of Appendix A has been changed to normative (see Appendix A, Appendix A of the 2018 edition);
- f) The requirements for "corrosion allowance" have been changed (see A.4.2, 2018 version of A.4.2).

This document is equivalent to ISO 13797:2020 "Ships and marine technology - Mooring and towing equipment for ships - Cross-shaped bollards".

1 Scope

This document specifies the types, nominal dimensions, dimensions, and materials of cross-shaped bollards suitable for installation on seagoing vessels, as well as their structural manufacturing and specifications. The requirements are to meet normal mooring and towing requirements.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document. equipment) The following terms and definitions apply to this document.

3.1 Safeworkingload;SWL

The safe load limit (maximum permissible load) for mooring and towing equipment.

4.1 Type

Depending on the manufacturing method, cross-shaped bollards can be divided into the following two types.

- a) Type A. Made of steel pipe;
- b) Type B. Made of rolled steel plate.

4.2 Nominal Dimensions

The nominal size (D_n) of the cross-shaped bollard is the outer diameter of the bollard, in millimeters (mm), selected from the basic preferred number series. The closest number. Nominal sizes are. 150, 200, 250, 300, 350 and 400.

The specifications and parameters of the cross-shaped bollards shall conform to the provisions of Table 1 and Figure 1.