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

GB/T 36665-2018

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

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 13797.2012 "ship and marine technology ship mooring and towing equipment cross strap cable pile".

This standard has made the following editorial changes.

--- Added the informative Appendix NA to explain the mark.

This standard is proposed and managed by the National Ship Armor Standardization Technical Committee (SAC/TC129).

This standard was drafted. Dalian Shipbuilding Industry Group Co., Ltd., COSCO Shipyard Engineering Group Co., Ltd.

1 Scope

This standard specifies the design, dimensions and technical requirements of cross-belt piles suitable for installation on sea-going vessels.

This standard applies to the design, manufacture and acceptance of cross-belt piles.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this

document.

IMOCircularMSC/Circ.1175 Ship Towing and Mooring Equipment Guide
(Guidance on shipboard towing and
Mooring equipment)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Safe working load safe working load; SWL

The maximum working load that the cross-belt pile is allowed to withstand under normal operating conditions, in kilohertz (kN).

4.1 Type

According to the manufacturing method, the cross-belt pile can be divided into the following two types.

---A type. made of steel pipe;

---B type. Made of steel plate.

4.2 Nominal size

The cross-cables have nominal sizes of 150, 200, 250, 300, 350, and 400.

The nominal size D_n represents the outer diameter of the pile in millimeters (mm).

5 size

The specific dimensions of the cross-belt pile are shown in Table 1 and Figure 1.