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

GB/T 37453-2026

Replacing GB/T 37453-2019

**Ships and marine technology - Ship's mooring and towing
fittings - Pedestal fairleads**

船舶与海洋技术 船舶系泊和拖带设备 立式滚轮导缆器

(English Translation)

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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 37453-2019 "Ships and Marine Technology - Vertical Roller Guides for Mooring and Towing of Ships".

Compared with GB/T 37453-2019, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The definition of the term "safe workload" has been changed (see 3.1, 2019 version 3.1);
- b) The body weld protrusion dimension " $t/4$ " has been added (see Figure 1).

This document is equivalent to ISO 13776:2020 "Ships and marine technology - Mooring and towing equipment for ships - Vertical roller guides".

1 Scope

This document specifies the nominal dimensions, dimensions, materials, manufacturing and inspection requirements, and marking requirements for vertical roller guides used for ship guides.

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 to this document.

Note: GB/T 36664-2018 Ships and Marine Technology - Mooring and Towing Equipment for Ships - Guide Rollers (ISO 13755:2012, IDT) and mooring 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.

The nominal size D_n of the vertical roller cable guide is expressed in millimeters as the smallest outer diameter of the roller, specifically 150, 200, etc. 250, 300, 350, 400, 450 and 500.

The structure and dimensions of the vertical roller cable guide are as shown in Figures 1 and 2 and Tables 1 and 2.

The material for vertical roller cable guides should be weldable steel plates with a yield strength of not less than 235 N/mm².