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

GB/T 42799-2023

**Ships and marine technology - Navigation and shallow-water
engineering vessels - Anchor winches**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative reference documents
- 3 Terms and definitions
- 3.1 Technical terms

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 is equivalent to ISO 18289.2014 "Ship and Marine Technical Navigation and Shallow Water Engineering Vessel Anchor Winch".

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 design and operation, detailed specifications, acceptance testing and marking system of anchor winches.

This document is applicable to hydraulic and electric drives installed on the stern of ocean transportation ships and shallow water engineering vessels, and using wire ropes for lifting and throwing.

Anchor lifting winches for anchors and anchor lifting winches for inland river vessels can also be used as a reference.

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 20118-2017 General technical conditions for steel wire ropes (ISO 2408.2017, NEQ)

Note. There is no technical difference between the quoted content of GB/T 20118-2017 and the quoted content of ISO 2408.20041).

1) ISO 2408.2004 has been replaced by ISO 2408.2017.

Note. GB/T 3893-2008 Deck machinery terms and symbols for shipbuilding and offshore structures (ISO /FDIS3828.2007, IDT)

Note. GB/T 3766-2015 General rules and safety requirements for hydraulic transmission systems and their components (ISO 4413.2010, MOD)

ISO 6482 Shipbuilding deck machinery winch drum appearance
(Shipbuilding-Deckmachinery-Warpingendpro-
files)

Note. GB/T 42690-2023 Shipbuilding deck machinery winch drum appearance (ISO 6482.2017, IDT)

ISO 7825 Shipbuilding-Deckmachinery-General requirements
(Shipbuilding-Deckmachinery-General requirements)

Note. GB/T 42050-2022 General requirements for shipbuilding deck machinery (ISO 7825.2017, IDT)

Note. GB/T 4208-2017 Enclosure protection level (IP code) (IEC 60529.2013, IDT)

3 Terms and definitions

The terms and definitions defined in ISO 3828 and below apply to this document.

3.1 Technical terms

3.1.1

It is expressed by 1/10 of the mass (kg) of the ordinary poleless anchor suitable for the anchor winch.