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

GB/T 40529-2021

Ships and marine technology - Cargo winches

Issued on: August 20, 2021

Implemented on: March 1, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

The translation method used in this document is equivalent to ISO 3078:2016 "Shipbuilding Lifting Winch".

The Chinese documents that have consistent correspondence with the normatively cited international documents in this document are as follows.

---GB/T 20118-2017 General technical requirements for steel wire ropes (ISO 2408:2017, NEQ).

This document has made the following editorial changes.

---The standard name was changed to "Ship and Marine Technology Lifting Winch".

1 Scope

This document specifies the general requirements for the design and operation, performance, acceptance test, marking and marking of the hoisting winch in boom cranes, especially

It is an electric or hydraulic drive hoisting winch.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

ISO 2408 Steelwiroperes-Requirements

ISO 6482 Shipbuilding-Deckmachinery-Warpingend profiles

ISO 7825 Shipbuilding-Deckmachinery-General requirements

3 Terms and definitions

The following terms and definitions defined by ISO 3828 apply to this document.

3.1

Cargo winch cargowinch

A winch for lifting and lowering cargo.

[Source. ISO 3828.2008,4.2]

3.2

Nominalsize

The model corresponding to the rated load, the rated load is when the winch is raised at the rated speed (single pulley at the boom head, single pulley at the boom base), the hoist

The maximum working load on the hook, in kilonewtons (kN).

Note 1. See Table 1 for the classification of winches according to nominal specifications.

Note 2. If the winch reduction gear has multiple gear ratios, each level should correspond to a nominal load in Table 1.

Note 3. The nominal specifications are derived from the preferred sequence.

Note 4. The definition of nominal specifications does not apply to heavy cranes.

Note 5. See Figure 1.

3.3

Nominal speed of hoisting

The minimum speed at which the hoisting winch can lift the rated load.

Note. See Table 1 for the minimum rated lifting speed.

3.4

Drumload

Under the condition that the reel is wound with a single layer of steel wire rope, when the hoisting winch is hoisting the goods at the rated lifting speed, the maximum value measured at the point where the wire rope leaves the reel

pull.

Note. The unit is kilonewton (kN).

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