

ICS 47.020.50

CCS U 22



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

**GB/T 42058-2022**

---

**Marine structures - Mobile offshore units - Mooring positioning  
windlasses and winches**

**Issued on: October 12, 2022**

**Implemented on: October 12, 2022**

---

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

## Table of Contents

foreword

1 Scope

2 Normative references

### 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" drafted.

This document is equivalent to ISO 9089:2019 "Winding windlasses and anchor winches for mooring and positioning of offshore mobile platforms of offshore structures".

The following minimal editorial changes have been made to this document.

--- Added necessary introductory words (see 6.2, 6.3, 6.4, 6.5, 6.7, 6.10, 7.2);

--- Added the notes for the tensile load in the locked rotor load and the notes for the automatic braking device (see 5.5 and 5.7);

--- Add a note on the nominal load test conditions (see 7.4).

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

### 1 Scope

This document specifies the classification, function and operation requirements, design and structure, test of windlasses and anchor winches for mooring and positioning of offshore mobile platforms

Methods, logos, signs, documents, etc.

This document applies to anchor windlasses for mooring and positioning of offshore mobile platforms such as drilling ships, semi-submersible drilling platforms, production platforms, and offshore living platforms.

and anchor winch design, manufacture and acceptance. This document can also be referred to for positioning winches for moving ships such as pipe-laying ships, crane ships, and piling ships.

## 2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

Note. GB/T 40273-2021 Fiber rope terminology (ISO 1968.2004, MOD)

ISO 3108 Test method for wire ropes - Determination of actual breaking force (Steelwireropes-Testmethod-Determina-

Note. GB/T 8358-2014 Determination of actual breaking force of steel wire rope (ISO 3108.1974, NEQ)

ches)

Note. GB/T 3893-2008 Shipbuilding and Offshore Structure Deck Machinery Terms and Symbols (ISO /FDIS3828.2007, IDT)

helicalgears).

Note. GB/T 3480 (all parts) calculation of bearing capacity of spur and helical gears [ISO 6336 (all parts)]

ISO 6482 Shipbuilding-Deckmachinery-Warpingendprofiles

tion)

Note. GB/T 8706-2017 Wire rope terminology, marking and classification (ISO 17893.2004, MOD)