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Fourth edition
2021-08

Ships and marine technology — Sea-going vessels — Windlasses and anchor capstans

*Navires et technologie maritime — Navires de haute mer —
Guindeaux et guindeaux-cabestans*



Reference number
ISO 4568:2021(E)

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Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*, in collaboration with Technical Committee ISO/TC 4, *Rolling bearings*.

This fourth edition cancels and replaces the third edition (ISO 4568:2006), which has been technically revised.

The main changes compared to the previous edition are:

- the definitions of working load ([3.1](#)), nominal size ([3.2](#)) and overload pull ([3.3](#)) have been revised;
- the definition of nominal recovery speed (former 3.5 in the previous edition) has been deleted;
- new definitions for windlass ([3.5](#)), double cable-lifter windlass with connection shaft ([3.10](#)) and control braking system ([3.11](#)) have been added;
- requirements have been added on: the mooring winch, in [4.4](#) and [5.4](#); the design of the cable lifter, in [4.6.2.2](#); and the electric motor, in [4.11.2](#) and [4.11.3](#);
- the strength requirements have been updated in [4.5](#);
- test methods have been added in [6.3](#) to [6.9](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.