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BS ISO 7365:2012



BSI Standards Publication

Shipbuilding and marine structures — Deck machinery — Towing winches for deep sea use

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This British Standard is the UK implementation of ISO 7365:2012.

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A list of organizations represented on this committee can be obtained on request to its secretary.

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 7365 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

This second edition cancels and replaces the first edition (ISO 7365:1983), which has been technically revised.

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Shipbuilding and marine structures — Deck machinery — Towing winches for deep sea use

1 Scope

This International Standard specifies requirements for the design, operation, performance and acceptance tests of towing winches having electric, hydraulic, diesel or steam drive.

It is applicable to towing winches for deep sea use.

It does not consider fibre rope winches but does not exclude their use.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2408, *Steel wire ropes for general purposes — Minimum requirements*

ISO 3828, *Shipbuilding and marine structures — Deck machinery — Vocabulary and symbols*

ISO 6482, *Shipbuilding — Deck machinery — Warping end profiles*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3828 and the following apply.

3.1 General terms

3.1.1

nominal speed

maximum speed of hauling and rendering ropes maintained by winches under drum load

3.1.2

rendering load

maximum rope tension at the drum exit when the drum just starts to rotate in the opposite direction to the applied driving torque, the prime mover being set for limited torque, with a first layer of the rope wound on the drum

3.2 Types of winches (see Figure 1)

3.2.1

right-hand winch

winch where the reduction gear or drive of the drum(s) is on the right-hand side of the drum(s), in relation to an observer situated on the side of the motor, power supply or local controller

3.2.2

left-hand winch

winch where the reduction gear or drive of the drum(s) is on the left-hand side of the drum, in relation to an observer situated on the side of the motor, power supply or local controller

3.2.3

central winch

winch where the reduction gear or drive of the drum(s) is in the middle of the two drums