BS ISO 7364:2016

BSI Standards Publication

Ships and marine technology — Deck machinery — Accommodation ladder winches

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National foreword

This British Standard is the UK implementation of ISO 7364:2016.

The UK participation in its preparation was entrusted to Technical Committee SME/32, Ships and marine technology - Steering committee.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Ships and marine technology — Deck machinery — Accommodation ladder winches

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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).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*.

This second edition cancels and replaces the first edition (ISO 7364:1983), which has been technically revised.

INTERNATIONAL STANDARD ISO 7364:2016(E)

Ships and marine technology — Deck machinery — Accommodation ladder winches

1 Scope

This International Standard specifies requirements and characteristics of ships' accommodation ladder winches provided with hydraulic, pneumatic, electric or manual drive.

This International Standard is applicable to the design and test of accommodation ladder winches.

This International Standard does not include requirements for the prime mover used to operate the winch.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 5488:2015, *Ships and marine technology — Accommodation ladders*

IEC 60092-401, *Electrical installations in ships — Part 401: Installation and test of completed installation*

3 Terms and definitions

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

3.1
nominal size
used as a designation of a winch in accordance with this International Standard

Note 1 to entry: The nominal size corresponds to the drum load as given in Table 1.

3.2
drum load
maximum rope tension in the rope or ropes at the drum exit either when the winch is hoisting an unloaded accommodation ladder at the nominal speed, with the rope or ropes wound on the drum in a single layer, or when the winch is placing the accommodation ladder in its stowage position

3.3
holding load
in static mode of the winch, the maximum rope tension in the rope or ropes at the drum exit in a single layer, shall be at least three times the *drum load* (3.2)

3.4 Types of winches

3.4.1
right-hand winch
winch where the reduction gear or drive of the drum is on the right-hand side of the drum, in relation to an observer situated on the side of the motor or power supply

Note 1 to entry: See Figure 1.