International Standard ISO 6067

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Shipbuilding and marine structures — Winches for lifeboats

Construction navale et structures maritimes — Treuils pour embarcations de sauvetage

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6067 was prepared by Technical Committee ISO/TC 8, *Shipbuilding and marine structures*.

Shipbuilding and marine structures — Winches for lifeboats

1 Scope and field of application

This International Standard specifies the requirements for design, construction, safety, performance and acceptance testing of winches for lifeboats, used for manual, gravity or stored mechanical power launching, recovery and storage of lifeboats.

This International Standard does not include requirements for the prime mover (if any) used to operate the winch, which may have electric, hydraulic or pneumatic drive.

NOTE — Users of this International Standard shall also ensure compliance with requirements, rules and regulations of the national authority of the ship concerned, in order to obtain the classification "approved type".

2 References

ISO/R 338, *Lifeboats for less than one hundred people.*

ISO 2408, *Steel wire ropes for general purposes — Characteristics.* [1)]

ISO 2944, *Fluid power systems and components — Nominal pressures.*

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

ISO 4413, *Hydraulic fluid power — General rules for the application of equipment to transmission and control systems.*

ISO 4414, *Pneumatic fluid power — Recommendations for the application of equipment to transmission and control systems.*

ISO 7824, *Shipbuilding — Lubrication nipples — Cone and flat types.* [2)]

ISO 7825, *Shipbuilding — Deck machinery — General requirements.* [2)]

IEC Publication 92, *Electrical installations in ships.*

IEC Publication 529, *Classification of degrees of protection provided by enclosures.*

3 Definitions

For the purpose of this International Standard, terms and definitions given in ISO 3828 apply.

Terms particularly applicable to this International Standard are defined below :

3.1 lifeboat : A craft complying with the requirements of Regulation 41 of SOLAS 1974 as amended.

3.2 working load, Q : The maximum force exerted by the fall or falls at the winch drums, when turning out, lowering, hoisting or stowing the lifeboat, under the conditions prescribed by IMO.

3.3 test holding load, TL : A static load equivalent to 1,5 times the working load Q which the winch brake shall be capable of holding.

3.4 dynamic braking load : That load on the winch drums produced by the lifeboat loaded with its full complement of persons and the inertial forces which occur when the craft is stopped from a lowering speed complying with national administration requirements.

3.5 hoisting load, Q_1 : The force at the winch drums derived from the load required to lift the lifeboat with its full equipment and a number of persons as stated by the national administration.

3.6 brake setting load, Q_2 : The force at the winch drum derived from the fully equipped lifeboat being lowered with its full complement of persons.

3.7 nominal size : The size corresponding to the working load Q, expressed in kilonewtons.

1) At present at the stage of draft. (Revision of ISO 2408-1973.)

2) At present at the stage of draft.