
**Ships and marine technology —
Vertical steel ladders**

Navires et technologie maritime — Échelles verticales en acier

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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 document 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).

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 8, *Ship design*.

This second edition cancels and replaces the first edition (ISO 3797:1976), which has been technically revised.

The main changes are as follows:

- the types and the scope of application have been extended;
- the dimensions of ladders have been extended;
- a fall protection requirement has been added;
- the steel grade of material has been specified;
- the requirements of surface treatment, appearance and tolerance have been specified.

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.

Ships and marine technology — Vertical steel ladders

1 Scope

This document specifies the types, structure, dimension and technical requirements for vertical steel ladders to be fitted on board ships.

This document applies to design and manufacture of vertical steel ladders.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 630-2, *Structural steels — Part 2: Technical delivery conditions for structural steels for general purposes*

ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Type, structure and dimensions

4.1 Type

Vertical steel ladders shall be classified into the following two types:

- a) type A: vertical steel ladder with square bar rung (see ISO 1035-2);
- b) type B: vertical steel ladder with round bar rung (see ISO 1035-1).

4.2 Structure and dimensions

4.2.1 Structure

The structure of a vertical steel ladder is shown in [Figure 1](#).