
Hot-rolled steel sections —

Part 14:

**Hot-finished structural hollow sections —
Dimensions and sectional properties**

Profilés en acier laminés à chaud —

Partie 14: Profils creux pour la construction finis à chaud — Dimensions et caractéristiques du profil



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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 3.

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 part of ISO 657 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 657-14 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 1, *Steel tubes*, and ISO/TC 17, *Steel*.

This third edition cancels and replaces the second edition (ISO 657-14:1982), which has been technically revised.

ISO 657 consists of the following parts, under the general title *Hot-rolled steel sections*:

- *Part 1: Equal-leg angles — Dimensions*
- *Part 2: Unequal-leg angles — Dimensions*
- *Part 5: Equal-leg angles and unequal-leg angles — Tolerances for metric and inch series*
- *Part 11: Sloping flange channel sections (Metric series) — Dimensions and sectional properties*
- *Part 13: Tolerances on sloping flange beam, column and channel sections*
- *Part 14: Hot-finished structural hollow sections — Dimensions and sectional properties*
- *Part 15: Sloping flange beam sections (Metric series) — Dimensions and sectional properties*
- *Part 16: Sloping flange column sections (metric series) — Dimensions and sectional properties*
- *Part 18: L sections for shipbuilding (metric series) — Dimensions, sectional properties and tolerances*
- *Part 19: Bulb flats (metric series) — Dimensions, sectional properties and tolerances*
- *Part 21: T-sections with equal depth and flange width — Dimensions*

Hot-rolled steel sections —

Part 14:

Hot-finished structural hollow sections — Dimensions and sectional properties

1 Scope

This part of ISO 657 specifies the tolerances for hot-finished circular, square and rectangular structural hollow sections and gives the dimensions and sectional properties for a range of standard sizes.

NOTE For the technical delivery requirements, see ISO 630-2.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 657. For dated references, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this part of ISO 657 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 630-2, *Structural steels — Part 2: Technical delivery requirements for hot-formed hollow sections*.

3 Terms and definitions

For the purposes of this part of ISO 657, the terms and definitions given in ISO 630-2 apply.

4 Symbols

Symbols used in this part of ISO 657 are given in Table 1.

5 Information to be supplied by the purchaser

5.1 Mandatory information

The following information from this part of ISO 657 shall be supplied by the purchaser at the time of enquiry and order.

- a) the type of length, and the length or the length range (see Table 3);
- b) the dimensions (see clause 8).

NOTE This information is included in the list of information to be supplied by the purchaser contained in subclause 5.1 of ISO 630-2:1999.