INTERNATIONAL STANDARD

ISO 10384

Third edition
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Hot-rolled carbon steel sheet as defined by chemical composition

Tôles en acier au carbone laminées à chaud définies par leur composition chimique

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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 10384 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This third edition cancels and replaces the second edition (ISO 10384:2001), which has been technically revised.

Hot-rolled carbon steel sheet as defined by chemical composition

1 Scope

1.1 This International Standard applies to continuously hot-rolled carbon steel sheet as defined by chemical composition. The product is generally used in the heat-treated condition after hot or cold working, press forming or cutting by the customer. For example, the product is used for general machinery such as sprocket wheels, chain links, washers, knife blades and agricultural implements.

NOTE 1 Hot-rolled sheet up to but not including 3 mm in thickness is commonly known as “sheet”. Hot-rolled sheet 3 mm and over in thickness is commonly known as either “sheet” or “plate”.

NOTE 2 Steel sheet that is to be subjected to subsequent rerolling is not covered by this International Standard.

1.2 Hot-rolled carbon steel sheet based on chemical composition is manufactured from killed steel of the chemical compositions listed in Table 1. It is usually produced in the range of thicknesses from 0,8 mm to 12,5 mm inclusive, and in widths of 600 mm and over, in coils and cut lengths.

1.3 Hot-rolled carbon steel sheet less than 600 mm wide may be slit from wide sheet and will be considered as sheet.

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 643, *Steels — Micrographic determination of the apparent grain size*

ISO 3887, *Steels — Determination of depth of decarburization*

ISO 4967, *Steel — Determination of content of nonmetallic inclusions — Micrographic method using standard diagrams*

ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*

ISO 14284, *Steel and iron — Sampling and preparation of samples for the determination of chemical composition*

ISO 16160, *Continuously hot-rolled steel sheet products — Dimensional and shape tolerances*