
**Hot-rolled twin-roll cast carbon steel
sheet of commercial quality**

*Tôles en acier de qualité commerciale laminées à chaud par coulée
entre cylindres*



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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.

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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 15177 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

Hot-rolled twin-roll cast carbon steel sheet of commercial quality

1 Scope

This International Standard specifies the characteristics of hot-rolled twin-roll cast carbon steel sheet of commercial quality produced by the twin-roll cast process. Hot-rolled twin-roll cast steel sheet is suitable for many applications where the presence of oxide or scale or normal surface imperfections disclosed after removal of oxide or scale, are not objectionable. It is not suitable for applications where the surface is of prime importance.

NOTE A steel sheet that is subjected to subsequent re-rolling is not covered by this International Standard.

Commercial quality twin-roll cast steel sheet is intended for general fabrication purposes where sheet is used in the flat condition or for bending, moderate forming and welding operations.

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 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

hot-rolled descaled steel sheet

hot-rolled steel sheet from which oxide or scale has been removed, commonly by pickling in an acid solution or by appropriate mechanical means such as grit blasting

NOTE Some changes in properties can result from descaling.

3.2

skin pass

light cold rolling of hot-rolled steel sheet or hot-rolled descaled steel sheet

3.3

mill edge

normal side edge without any definite contour produced in hot rolling

NOTE Mill edges may contain some irregularities, such as cracked or torn edges or thin (feathered) edges.

3.4

sheared edge

normal edge obtained by shearing, slitting or trimming a mill edge product

NOTE Normal processing does not necessarily provide a definite positioning of the slitting.

3.5

twin-roll cast steel sheet

steel sheet produced by casting to near final thickness directly from the liquid metal with minimal hot rolling to achieve the final thickness