
**Hot-rolled carbon steel sheet of
commercial and drawing qualities**

*Tôles en acier au carbone laminées à chaud de qualité commerciale et
pour emboutissage*



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Foreword

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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 3573 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This fourth edition cancels and replaces the third edition (ISO 3573:1999), which has been technically revised.

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Hot-rolled carbon steel sheet of commercial and drawing qualities

1 Scope

1.1 This International Standard applies to hot-rolled carbon steel sheet of commercial and drawing qualities.

Hot-rolled 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 Steel sheet that is to be subjected to subsequent rerolling is not covered by this International Standard.

1.2 Commercial quality sheet (HR1) is intended for general fabricating purposes where sheet is used in the flat condition or for bending, moderate forming and welding operations. It is commonly produced in the range of thickness 0,8 mm to 12,5 mm inclusive, and in widths of 600 mm and over, in coils and cut lengths.

1.3 Drawing quality sheet (HR2, HR3, HR4) is intended for drawing or severe forming, including welding. It is commonly produced in the range of thickness 0,8 mm to 12,5 mm inclusive and in widths of 600 mm and over, in coils and cut lengths. Drawing quality sheet is furnished according to all the requirements of this International Standard, or, by agreement when ordered, to fabricate an identified part, in which case the mechanical property requirements do not apply. Drawing qualities are identified as follows:

HR2 — Drawing quality

HR3 — Deep drawing quality

HR4 — Deep drawing quality aluminum killed

1.4 Hot-reduced sheet less than 600 mm wide can be slit from wide sheet and will be considered as sheet.

2 Normative references

The following standards 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, *Continuously hot-rolled steel sheet products — Dimensional and shape tolerances*