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Cold-rolled stainless steel wide strip and sheet — Tolerances on dimensions and form

*Larges bandes et tôles en acier inoxydable laminées à froid —
Tolérances sur dimensions et forme*



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Foreword

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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.

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Cold-rolled stainless steel wide strip and sheet — Tolerances on dimensions and form

1 Scope

1.1 This International Standard specifies the tolerances on dimensions and form for cold-rolled stainless steel¹⁾ wide strip and sheet, in thicknesses from 0,30 mm to 5,00 mm and in rolling widths from 600 mm to 1 600 mm.

1.2 This International Standard also applies to strip in widths less than 600 mm manufactured from wide strip by longitudinal slitting, and to cut lengths manufactured from such strip.

1.3 For cold-rolled flat products of stainless steels in rolling widths less than 600 mm, ISO 9447 applies.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 683-13:1986, *Heat-treatable steels, alloy steels and free-cutting steels — Part 13: Wrought stainless steels*.

ISO 683-16:1976, *Heat-treated steels, alloy steels and free-cutting steels — Part 16: Precipitation hardening stainless steels*.

ISO 2604-4:1975, *Steel products for pressure purposes — Quality requirements — Part 4: Plates*.

ISO 4955:1983, *Heat-resisting steels and alloys*.

ISO/TR 4956:1984, *Wrought steels for use at elevated temperatures in engines*.

ISO 6929:1987, *Steel products — Definitions and classification*.

ISO 9447:1990, *Cold-rolled stainless steel narrow strip — Tolerances on dimensions and form*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 stainless steels: Steels with a carbon content of up to and including 1,2 % and a chromium content of 10,5 % and over.

NOTE 1 This definition covers the ferritic, martensitic and austenitic steels of ISO 683-13 and ISO 683-16, and the steels P 46 to P 69 of ISO 2604-4, the heat-resisting steels of ISO 4955, and some of the creep-resisting steels of ISO/TR 4956.

3.2 cold-rolled flat products: Products which, during finishing, have undergone a reduction in cross-section of at least 25 % by cold rolling without prior reheating. In the case of flat products of widths less than 600 mm and for certain qualities of special steel, levels of reduction of cross-section less than 25 % may be included.

3.3 product forms

The definitions given in ISO 6929 apply.

¹⁾ See 3.1.