
**Centrifugally cast steel and alloy
products —**

Part 1:
General testing and tolerances

*Produits en acier et alliages moulés par centrifugation —
Partie 1: Conditions générales d'essais et tolérances*



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Foreword

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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 13583 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 13583-1 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 11, *Steel castings*.

ISO 13583 consists of the following parts, under the general title *Centrifugally cast steel and alloy products*:

Part 1: General testing and tolerances

Part 2: Materials

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Centrifugally cast steel and alloy products —

Part 1: General testing and tolerances

1 Scope

This part of ISO 13583 specifies the requirements for horizontal and vertical centrifugally cast products to be used in the following applications:

- a) heat resisting;
- b) corrosion resisting;
- c) general engineering.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 13583. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 13583 are encouraged to investigate the possibility of applying the most recent editions of the normative documents 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 783:1999, *Metallic materials — Tensile testing at elevated temperature.*

ISO 3651-1:1998, *Determination of resistance to intergranular corrosion of stainless steels — Part 1: Austenitic and ferritic-austenitic (duplex) stainless steels — Corrosion test in nitric acid medium by measurement of loss in mass (Huey test).*

ISO 3651-2:1998, *Determination of resistance to intergranular corrosion of stainless steels — Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels — Corrosion test in media containing sulfuric acid.*

ISO 4986:1992, *Steel castings — Magnetic particle inspection.*

ISO 4987:1992, *Steel castings — Penetrant inspection.*

ISO 4990:1986, *Steel castings — General technical delivery requirements.*

ISO 4993:1987, *Steel castings — Radiographic inspection.*

ISO 13520:—¹⁾, *Steel castings — Estimation of ferrite content in austenitic stainless steel castings.*

1) To be published.