INTERNATIONAL STANDARD

ISO 6305-2

Second edition
2007-02-15

Railway components — Technical delivery requirements —

Part 2: Non-alloy carbon steel baseplates

Éléments constitutifs de la voie ferrée — Spécifications techniques de livraison —

Partie 2: Selles en acier au carbone non allié

Reference number
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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Contents

Page

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 6305-2 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 15, *Railway rails and their fasteners*.

This second edition cancels and replaces the first edition (ISO 6305-2:1983), which has been editorially revised.

ISO 6305 consists of the following parts, under the general title *Railway components — Technical delivery requirements:*

— *Part 1: Rolled steel fishplates*

— *Part 2: Non-alloy carbon steel baseplates*

— *Part 3: Steel sleepers*

— *Part 4: Untreated steel nuts and bolts and high-strength nuts and bolts for fishplates and fastenings*

Part 1 of ISO 6305 was withdrawn by systematic review in 2002.

Railway components — Technical delivery requirements —

Part 2: Non-alloy carbon steel baseplates

1 Scope

This part of ISO 6305 specifies the quality requirements of the product and the conditions of acceptance testing for rolled non-alloy carbon steel baseplates for use with flat-bottom railway rails.

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 377, *Steel and steel products — Location and preparation of samples and test pieces for mechanical testing*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 2859-2, *Sampling procedures for inspection by attributes — Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection*

ISO 2859-3, *Sampling procedures for inspection by attributes — Part 3: Skip-lot sampling procedures*

ISO 2859-4, *Sampling procedures for inspection by attributes — Part 4: Procedures for assessment of declared quality levels*

ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method*

ISO 6892, *Metallic materials — Tensile testing at ambient temperature*

ISO 7438, *Metallic materials — Bend test*

3 General requirements

3.1 Steelmaking process

The steelmaking process shall be the responsibility of the manufacturer of the baseplates. If requested by the purchaser at the time of enquiry or order, the manufacturer shall describe the steelmaking and casting processes employed. The manufacture shall not alter these without the agreement of the purchaser.