
**Rolling bearings — Tapered roller
bearings — Designation system**

*Roulements — Roulements à rouleaux coniques — Système de
désignation*



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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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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 10317 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*, Subcommittee SC 9, *Tapered roller bearings*.

This second edition cancels and replaces the first edition (ISO 10317:1992), which has been technically revised.

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Rolling bearings — Tapered roller bearings — Designation system

1 Scope

This International Standard establishes a system for the designation of metric size tapered roller bearings produced in accordance with ISO 355.

The system covers designations for single-row bearings, double-row bearings, and bearings with flanged outer rings. It also establishes designations for separate inner subunits (inner ring, tapered rollers and cage) and outer rings of such bearings.

This International Standard does not apply to bearings or inner subunits or outer rings which in any respect deviate from ISO 355.

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 355:2007, *Rolling bearings — Tapered roller bearings — Boundary dimensions and series designations*

ISO 492, *Rolling bearings — Radial bearings — Tolerances*

ISO 5593, *Rolling bearings — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5593 apply.

4 Designation structure

4.1 Principles of the designation system

The designation structure is a system of groups of alphabetical and/or numerical symbols based on the standard pattern shown in Figure 1. Each group is called a section. The symbols used in the different sections are as specified in Clauses 5 to 10.