

# INTERNATIONAL STANDARD

**ISO**  
**10317**

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## **Rolling bearings — Metric tapered roller bearings — Designation system**

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



Reference number  
ISO 10317:1992(E)

## 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.

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.

International Standard ISO 10317 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*, Sub-Committee SC 9, *Tapered roller bearings*.

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# Rolling bearings — Metric tapered roller bearings — Designation system

## 1 Scope

This International Standard establishes a system for the designation of metric tapered roller bearings made in accordance with ISO 355, ISO 355/Add.1 and ISO 355/Add.2.

The system covers designations for single-row bearings, double-row bearings and bearings with flanged cups. It also establishes designations for separate cone assemblies or cups of such bearings.

This International Standard does not apply to bearings or cone assemblies or cups which in any respect deviate from ISO 355 and its addenda.

## 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 355:1977, *Rolling bearings — Metric tapered roller bearings — Boundary dimensions and series designations*.

ISO 355:1977/Add.1:1980, *Metric tapered roller bearings — Boundary dimensions and series designations. Addendum 1: Double row bearings*.

ISO 355:1977/Add.2:1980, *Metric tapered roller bearings — Boundary dimensions and series designations. Addendum 2: Flanged cups*.

ISO 492:1986, *Rolling bearings — Radial bearings — Tolerances*.

## 3 Designation structure

The designation structure is a system of groups of symbols (alpha and/or numeric). Each group is called a section. The symbols used in the different sections are given in clauses 4 to 9.