
**Rolling bearings — Tapered roller
bearings — Boundary dimensions
and series designations**

*Roulements — Roulements à rouleaux coniques — Dimensions
d'encombrement et désignation des séries*



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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 355 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 355:1977), which has been technically revised. ISO 355:1977/Add. 1:1980 and ISO 355:1977/Add. 2:1980 have been incorporated.

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Rolling bearings — Tapered roller bearings — Boundary dimensions and series designations

1 Scope

This International Standard specifies bearing and subunit boundary dimensions for complete single-row and double-row tapered roller bearings. It also specifies the flange dimensions of flanged outer rings for a selection of these bearings. A series designation for each bearing is also specified.

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 492:2002, *Rolling bearings — Radial bearings — Tolerances*

ISO 582:1995, *Rolling bearings — Chamfer dimensions — Maximum values*

ISO 1132-1:2000, *Rolling bearings — Tolerances — Part 1: Terms and definitions*

ISO 5593:1997, *Rolling bearings — Vocabulary*

ISO 15241:2001, *Rolling bearings — Symbols for quantities*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1132-1 and ISO 5593 apply.

4 Symbols

For the purposes of this document, the symbols given in ISO 15241 and the following apply.

The symbols shown in Figures 1 to 4 and the values given in Tables 4 to 16 denote nominal dimensions unless specified otherwise.

B inner ring width, single-row bearing

B_1 bearing width, double-row bearing

C outer ring width, single-row bearing

C_1 width of double outer ring, or width over two single outer rings and spacer

C_2 width of outer ring flange