



SLOVENSKI STANDARD SIST ISO 10317:2009

01-maj-2009

BUXca Yý U
SIST ISO 10317:2001

Rolling bearings - Tapered roller bearings - Designation system

Rolling bearings - Tapered roller bearings - Designation system

Wälzlager - Metrische Kegelrollenlager - Bezeichnungssystem

Roulements - Roulements à rouleaux coniques - Système de désignation
(standards.iteh.ai)

Ta slovenski standard je istoveten z: ~~SIST ISO 10317:2001~~ ISO 10317:2008

<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dec82e52891/sist-iso-10317-2009>

ICS:

21.100.20 Kotalni ležaji Rolling bearings

SIST ISO 10317:2009

en,fr

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ISO 10317:2009

<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009>

INTERNATIONAL STANDARD

ISO 10317

Second edition
2008-11-15

Rolling bearings — Tapered roller bearings — Designation system

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ISO 10317:2009](https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009)

[https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-
2dcc82e52891/sist-iso-10317-2009](https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009)



Reference number
ISO 10317:2008(E)

© ISO 2008

ISO 10317:2008(E)**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ISO 10317:2009](https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009)

<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

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 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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ISO 10317:2009
<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST ISO 10317:2009

<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009>

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.

ISO 10317:2008(E)

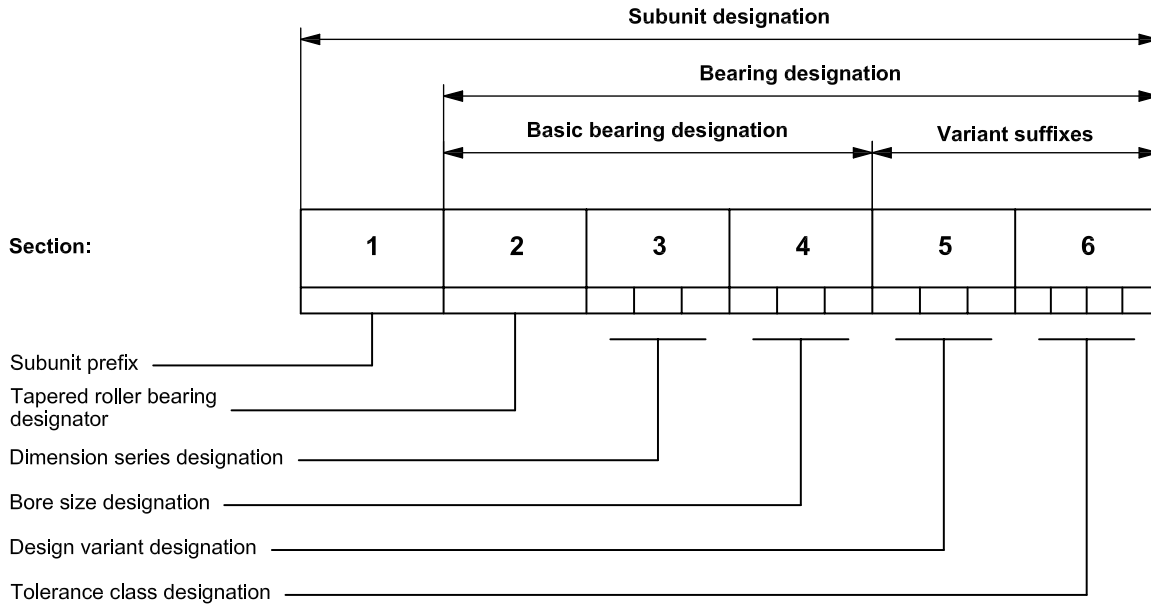


Figure 1 — Designation structure

4.2 Bearing designations

The designation of a complete single-row bearing comprises sections 2 to 4 (basic bearing designation), plus sections 5 and/or 6 (variant suffixes) as appropriate.

The designation of a complete double-row bearing comprises sections 2 to 5 plus section 6, if appropriate.

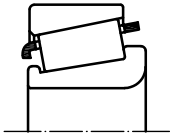
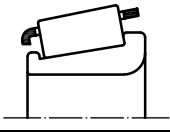
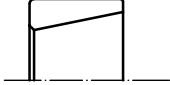
Examples of bearing and subunit designations are given in Clause 11.

4.3 Subunit designations

The designation of a separate subunit (an inner subunit or an outer ring) comprises a subunit prefix (section 1) plus the designation of the complete bearing (see Table 1).

5 Subunit prefix (section 1)

Table 1 — Subunit prefix

Symbol	Designation item	
None	Complete bearing	
R	Inner subunit (inner ring, tapered rollers and cage)	
L	Outer ring	

6 Tapered roller bearing designator (section 2)

The letter T is used in the first position of the basic bearing designation (i.e. preceding the dimension series and bore size designations) to distinguish metric size tapered roller bearings from other bearing types. Its use is optional.

7 Dimension series designation (section 3)

Each bearing is assigned to a dimension series, designated by three symbols as explained in ISO 355:2007, Clause 5. The relevant symbols to be used in section 3 are specified in the last column of the boundary dimension tables of ISO 355:2007, Tables 4 to 12.

8 Bore size designation (section 4)

The bore size designation consists of three numerals, indicating nominal bearing bore diameter in millimetres. For bearings with bore diameters less than 100 mm, a zero is used as the first numeral.

If, in future, bearings with a bore diameter of 1 000 mm or more are included in ISO 355, section 4 may be expanded to four numerals.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ISO 10317:2009](https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009)

<https://standards.iteh.ai/catalog/standards/sist/eddcfb9a-6c73-42e5-82d7-2dcc82e52891/sist-iso-10317-2009>