



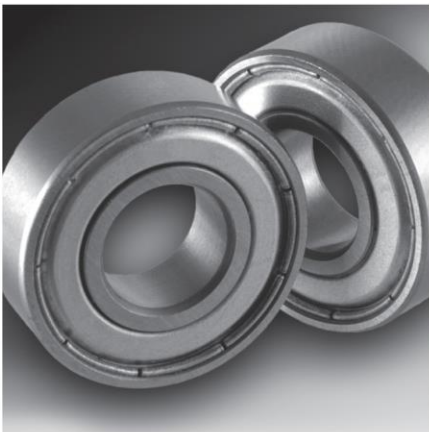
# **AMERICAN NATIONAL STANDARD**

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## ***ABMA Standard***

# **Rolling bearings — Vocabulary**



**Sponsor**

**American Bearing  
Manufacturers Association**

**ANSI/ABMA/ISO 5593  
(Identical Adoption of ISO 5593:1997)  
Stabilized Maintenance 2013**



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# Rolling bearings – Vocabulary

Secretariat  
**American Bearing Manufacturers Association**

Approved November 5, 1999  
**American National Standards Institute, Inc.**

## Foreword

(This foreword is not part of ANSI/ABMA/ISO 5593:1997.)

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committee are circulated to member bodies for voting. Publication as an International Standard requires approval of at least 75% of the member bodies casting a vote.

International Standard 5593 was prepared by Technical Committee ISO/TC4, *Rolling bearings*.

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee B3 on Ball and Roller Bearings. Committee approval of this standard does not necessarily imply that all committee members voted for its approval.

Suggestions for the improvement of this standard gained through experience with its use will be welcomed. These should be sent to: American Bearing Manufacturers Association Secretariat, ANSI ASC B3, 1200 19th Street, NW, Suite 300, Washington DC 30036-2422.

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## Rolling bearings – Vocabulary

### Scope

This International Standard establishes a vocabulary of terms, with their definitions, applied in the field of rolling bearings and their technology.

### NOTES

- 1 Only terms which are particular to the pertinent field, or which in this field are defined in a particular way, are included.

## Principles and rules followed

### Organization of the vocabulary

The vocabulary comprises

- a) terms, with their definition, in systematic order;
- b) figures with index numbers or relevant terms;
- c) alphabetical listings of the terms, with their index numbers.

### Organization of terms and definitions

The terms and definitions are given in groups and subgroups, arranged in systematic order.

A two-digit serial number is assigned to each group, beginning with 01 for Bearings.

Each group is divided into subgroups, to each of which is assigned a four-digit serial number, the first two digits being those of the group.

Each entry is assigned a six-digit index number, the first four digits being those of the subgroup.

In order that the various language versions of the vocabulary shall be conveniently linked, the numbers assigned to groups, subgroups, and entries are the same for the four languages.

### Organization of an entry

Each entry contains an index number, the term and the text of the definition. An entry may also include a note and/or reference to one or more figures [for example (Figure 5.)].

The index number and the term are printed in bold type. In some entries the term is followed by a qualifier. A qualifier is printed in normal typeface in angle brackets, <>, and indicates a directive for the use of the term or a particular field of application of the term as defined.

The absence of a generally accepted term for the concept in the language is indicated by a row of dots.

### Use of parentheses

In some terms a word or words printed in bold typeface are placed between parentheses. These words are part of the complete term, but they may be omitted when use of the abridged term does not introduce ambiguity.

### Use of [square] brackets

When several closely related terms can be defined by the same texts apart from a few words, the terms and their definitions are grouped in a single entry. The words to be substituted for those which precede them in order to obtain the different meanings are placed in brackets, i.e. [ ], in the same order in the term and in the definition.

### Use of semi-bold type

A term printed in semi-bold type in a definition or a note is defined in another entry of the vocabulary. It is only printed in semi-bold type the first time it occurs in each entry.

The basic form of each such term is included in the alphabetical index, where the index number of the corresponding entry is shown.

### Organization of the figures

The figures are principally arranged in the same order as that in which the terms they illustrate are given.

Each figure gives the index numbers of relevant terms. A figure usually shows only one example of the several existing forms of a bearing or part. In most cases the figures are simplified and leave out unnecessary details.

### Organization of the alphabetical indexes

The alphabetical indexes include all terms, in each language. Multiple-word terms appear in alphabetical order both by natural order of words and by their key words.

The alphabetical index refers to the index number of the entry.