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**Plain bearings—Symbols—
Part 1: Basic symbols**

ICS 21.100.10

Reference number : **JIS B 0163-1 : 2007 (E)**

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for establishment of Japanese Industrial Standard submitted by The Japan Society of Mechanical Engineers (JSME)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been prepared based on **ISO 7904-1** : 1995 *Plain bearings—Symbols—Part 1: Basic symbols* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS B 0163 consists of following 2 parts under the general title “*Plain bearings—Symbols*”:

Part 1: Basic symbols

Part 2: Applications

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Plain bearings—Symbols— Part 1: Basic symbols

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 7904-1:1995** *Plain bearings—Symbols—Part 1: Basic symbols* published in 1995 with some modifications of the technical contents.

The portions underlined with dots in this Standard are the matters in which the contents of the original International Standard have been modified. A list of modifications with explanations is given in Annex (informative).

For the letter symbols which are defined with 「—」 in **ISO** standard are defined in this part of **JIS B 0163** without modifications.

1 Scope This part of **JIS B 0163** defines basic symbols for used in the field of plain bearings.

NOTE : The International Standard corresponding to this part of **JIS B 0163** is as follows:

In addition, the symbols which denote the degree of correspondence in the contents between **JIS** and the original International Standard are IDT (identical), MOD (modified), and NEQ (not equivalent), according to **ISO/IEC Guide 21**.

ISO 7904-1:1995 *Plain bearings—Symbols—Part 1: Basic symbols*
(MOD)

2 Normative reference The following standard contains provisions which, through reference in this text, constitute provisions of this part of **JIS B 0163**. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS B 0163-2 *Plain bearings—Symbols—Part 2: Applications*

NOTE : **ISO 7904-2:1995** *Plain bearings—Symbols—Part 2: Applications* is equivalent to the said standard.

3 Basic characters Basic characters consist of one or, in exceptional cases, of two or three capital and/or lower-case letters.

Variables shall be in italic typeface; abbreviations shall be in Roman typeface.

Examples : *N* (rotational frequency);

*S*₀ (Sommerfeld number);

HRC (Rockwell hardness C scale).

4 Additional signs

4.1 Subscripts Subscripts may consist of one, two or three letters, Arabian digits or letter/digit combinations. In general, the first letter of a subscript corresponds to