

ICS 21.100.10

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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2889.4-2011

**Plain bearings -- Terms, definitions, classification and symbols
-- Part 4: Basic symbols**

滑动轴承 术语、定义和分类 第4部分：基本符号

(English Translation)

Issued on: December 30, 2011

Implemented on: October 1, 2012

Issued by: Standardization Administration of China

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Foreword

GB/T 2889 "Plain bearings - Terms, definitions and classification", known and plans to release two parts.

--- Part 1. Design, bearing materials and their properties;

--- Part 4. Basic symbols.

This part of GB/Part 4 T 2889's.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with the international standard ISO 4378-4:2009 "Plain bearings - Terms, definitions, classification and symbols - Part 4 Part I. basic symbols. " and ISO 4378-4:2009 as compared to this section made the following editorial changes.

--- Remove the International Standards Normative documents listed in the inventory but not cited in the standard ISO 4378-5.

This part is proposed by China Machinery Industry Federation.

Bearing this in part by the National Standardization Technical Committee (SAC/TC236) centralized.

This section is responsible for drafting unit. Productivity Promotion Center in the machine.

Participated in the drafting of this section. Shanghai Jiaotong University, Xi'an Jiaotong University, Jiashan Feng Bearing Co., Ltd. into three complex.

Introduction

Since the sliding bearing areas of memory in a large number of complex symbols named, so the standard or technical literature symbol error prone. This Uncertainty caused by species continues to increase supplementary symbol named, which further exacerbated the possibility of misunderstanding.

GB/T 2889 This section is intended to set forth a unified system of basic symbols.

Plain bearings - Terms, definitions and classification Part 4. Basic symbols

1 Scope

This section GB/T 2889 defines the basic symbols sliding bearings used in the field, but also defines the subject attached with superscript or cook Plus sign.

Bearing symbolism by the Latin alphabet, the Greek alphabet, Arabic numerals and other symbols (such as. point, comma, dash or asterisk) and the like. The easiest sign only the basic symbols, complex symbols are basic symbols plus subscript and superscript (diacritics).

From the viewpoint of the international applicability of all the basic symbols and additional symbols are derived from English, and as far as possible using the latest technical literature Name used. This section seeks to apply to all forms of sliding bearings.

This section is calculated classification symbol, symbols technology, geometry and plain bearings used for quality assurance division.

Some structures have a fixed amount of value, where possible, the uppercase letters. The basic character in special applications, the provisions of no. Only used alone or when necessary with a suitable combination of additional symbols to avoid confusion. By appropriate additional character Number to avoid multiple names.

2 Basic symbols

The basic symbol is represented by an uppercase or lowercase letters, in exceptional cases, by two uppercase or lowercase letters.

Variable application italics, abbreviations, use the traditional characters represented.

Example. N = rotational frequency; VG = viscosity grade.

3.1 Subscript

Subscript by three letters, numbers, or a combination of letters and numbers - the composition. Typically, the index of the first letter of the corresponding English word the first letter, followed by letters of the English words behind the letters. Subscript expression

should be simple as possible.

If the symbol is a variable index, letters in italics, if the acronym is represented by a positive body.

Example. c = round; cr = critical; cal = calculation.

If the index consists of two parts, the middle should be separated by commas with no spaces. Cases, the minimum allowable transition to a mixed lubrication lubricating film thickness it is expressed as hlim, tr. If you think this represents subscript too complex to be just a letter or a number to represent instead of, for example. with h1 instead of hlim, tr, provided that the letters or numbers have not been used as a subscript.

3.2 Superscript

Superscript by points, lines, commas, asterisks and other symbols. Each basic symbols allows a maximum of two superscript symbols. Example. u- *.

4 Basic symbol, subscript, the subject of the application and the difference

And the rotation angle counter-clockwise direction is defined as positive, the definition also applies to the rotational speed, the peripheral speed and the angular velocity.