

ICS 21.100.10

CCS J 12



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

GB/T 2889.2-2020

**Plain bearings - Terms, definitions, classification and symbols -
Part 2: Friction and wear**

Issued on: April 28, 2020

Implemented on: November 1, 2020

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

3.1 General terms

Foreword

GB/T 2889 is divided into the following 6 parts.

--- GB/T 2889.1 Sliding bearing terms, definitions, classification and symbols Part 1. Structure, bearing materials and their properties;

--- GB/T 2889.2 Sliding bearing terms, definitions, classification and symbols Part 2. Friction and wear;

--- GB/T 2889.3 Sliding bearing terms, definitions, classification and symbols Part 3. Lubrication;

--- GB/T 2889.4 Sliding bearing terms, definitions and classification Part 4. Basic symbols;

--- GB/T 2889.5 Sliding bearing terms, definitions, classification and symbols Part 5. Application of symbols;

--- GB/T 2889.6 Sliding bearing terms, definitions, classification and symbols Part 6. Abbreviations.

This part is part 2 of GB/T 2889.

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

The translation method used in this part is equivalent to the use of ISO 4378-2..2017 ``Sliding bearing terms, definitions, classification and symbols Part 2.

"Wipe and wear".

Compared with ISO 4378-2..2017, the following editorial changes have been made in this section.

--- Added index.

This part is proposed by China Machinery Industry Federation.

This part is under the jurisdiction of the National Sliding Bearing Standardization Technical Committee (SAC/TC236).

This section was drafted by. China Machine Productivity Promotion Center, Shanghai Jiaotong University, Hefei Bolin New Materials Co., Ltd., Xi'an Jiaotong University

Xue, Luoyang Shaanyan Technology Co., Ltd., Linan Dongfang Sliding Bearing Co., Ltd.

This part is interpreted by the National Technical Committee for Standardization of Sliding Bearings.

Introduction

Due to the existence of a large number of parameter symbols and terminology named in multiple ways in the field of sliding bearings, in the interpretation of standards and technical literature

It is very easy to cause misunderstandings in the process. This situation has caused the continuous increase of supplementary definitions and further exacerbated the possibility of misunderstandings.

This part of GB/T 2889 aims to establish a unified and basic terminology system that expounds friction and wear of sliding bearings.

Plain bearing terms, definitions, classifications and symbols

Part 2. Friction and wear

1 Scope

This part of GB/T 2889 defines the most commonly used terms, definitions and classifications related to sliding bearing friction and wear.

This section gives some acronyms of certain terms and compound words, which can be used when there is no ambiguity. No explanation is required for unexplained terms

Its definition.

2 Normative references

There are no normative references in this section.

3 Terms and definitions

The following terms and definitions apply to this document.

The website of the ISO and IEC standardized terminology database is as follows.

3.1 General terms

3.1.1

External friction

Phenomenon on the surface of the object that hinders the relative movement of the two objects along the tangent

3.1.2

Internal friction

Phenomenon inside the object that hinders the relative movement of the particles inside the object.

3.1.3

Friction friction

One of the two objects in contact with each other moves or has a tendency to move under the action of external force.

Phenomenon that hinders the relative movement of objects.

Note. See Figure 1.