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

GB/T 2889.3-2020

**Plain bearings - Terms, definitions, classification and symbols -
Part 3: Lubrication**

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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 3 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 4378-3..2017 ``Sliding bearing terms, definitions, classification and symbols Part 3. Run slip".

Compared with ISO 4378-3..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).

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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, basic terminology system for elaborating lubrication.

Plain bearing terms, definitions, classifications and symbols

Part 3. Lubrication

1 Scope

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

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

Lubrication

Through the action and lubrication effect of the lubricant, the frictional force, wear and retreat of the surfaces of two objects that are in contact with each other and move relatively

Reduced technology.

3.1.2

Lubrication method method of lubrication

A method of filling lubricant between two objects that are in contact with each other and move relatively.

3.2.1 Classification according to the physical state of the lubricant

3.2.1.1

Gas lubricating gas-film lubrication

Lubrication (3.1.1) with gas lubricant (3.4.1.1) to separate the interacting surfaces in relative motion.

3.2.1.2

Liquid-film lubrication

Lubrication (3.1.1) with a liquid lubricant (3.4.1.2) to separate the interacting surfaces in relative motion.

3.2.1.3

Fluid-film lubrication

Lubrication (3.1.1) with fluid (gas or liquid) lubricant to separate the interacting surfaces in relative motion.