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

GB/T 28279.2-2012

**Plain bearings -- Hydrostatic plain journal bearings with drainage grooves under
steady-state conditions -- Part 2: Characteristic values for calculation of
oil-lubricated plain journal bearings with drainage grooves**

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Table of Contents

Foreword

1 Scope

2 Normative references

3 characteristic values

Foreword

GB/T 28279 "back to the sump hydrostatic sliding bearing steady-state conditions radial sliding bearings" consists of two parts.

--- Part 1. back to the sump oil lubrication Radial calculate sliding bearings;

--- Part 2. back to the sump oil lubrication radial sliding bearings calculated property values.

This section is Part 2 GB/T 28279 in.

Rules in this section in accordance with GB/T 1.1-2009 given draft.

This section uses the translation method identical with ISO 12167-2.2001 "back to plain bearings under steady-state conditions sump hydrostatic radial slide

Movable bearing Part 2. back to the sump oil lubrication radial sliding bearings calculated property values. "

Consistency correspondence between this part of the normative international documents referenced with our standards are as follows.

--- GB/T 28279.1-2012 back to the sump hydrostatic slide bearings under steady-state conditions radial bearings - Part 1.

Back to the radial sliding bearing calculation sump oil lubrication (ISO 12167-1.2001, IDT)

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. Xi'an Jiaotong University, Tymoshenko sliding bearing Co., Ltd., Shanghai, Zhejiang send Bearing Co., Ltd.,

Zhejiang Oriental Bearing Co., Ltd., Dongfang Turbine Co., Ltd., Dongfang Electrical Machinery Co., Ltd., Oriental Bearing Co., Ltd. Lin'an.

GB/T 28279.2-2012/ISO 12167-2.2001

Back to the sump hydrostatic sliding bearings steady-state conditions

Pressure radial sliding bearings - Part 2. back to the sump

Radial sliding bearing lubrication oil calculate property values

1 Scope

This section GB/T 28279 in a chart form given back to the oil sump oil lubrication calculate radial sliding bearings property values.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article

Member. For undated references, the latest edition (including any amendments) applies to this document.

Back to plain bearings under steady-state conditions ISO 12167-1 sump the hydrostatic radial bearings - Part 1. back to the sump oil lubrication

Calculated slip radial sliding bearings

(Plainbearing-Hydrostaticplainjournalbearingswithdrainagegrooves

understeady-stateconditions-Part 1.

Calculationofoil-lubricatedplainjournalbearingswithdrainage
grooves)

3 characteristic values

Figure 1 and Table 1 to 13.

This section gives the characteristic values of oil-lubricated hydrostatic slide bearing calculation back to the sump necessary, these values are based on GB/T 28279.1

Specified premises and boundary conditions to use when calculating the value can be found from the chart, and the explanation of symbols, see calculation example

ISO 12167-1. When designing the bearing in Table 1. The property values can be used to optimize the design of the bearing.

GB/T 28279.2-2012/ISO 12167-2.2001