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

GB/T 28278.2-2012

**Plain bearings -- Hydrostatic plain journal bearings without drainage grooves
under steady-state conditions -- Part 2: Characteristic values for calculation of
oil-lubricated plain journal bearings without drainage grooves**

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Foreword

GB/T 28278 "under steady-state conditions do not bring back the sliding bearing sump hydrostatic radial sliding bearings" consists of two parts.

--- Part 1. not calculate back to sump oil lubrication Radial sliding bearings;

--- Part 2. Do not bring back the oil tank Lubrication Radial Bearing characteristic values.

This part of GB/T 28278 Part 2.

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

This section uses the translation method identical with ISO 12168-2:2001 "Under steady-state conditions do not bring back the sliding bearing sump hydrostatic radial

Plain bearings - Part 2. Do not bring back sump oil lubrication radial sliding bearings calculated property values. "

Consistency correspondence with international standards in this section of our standards of reference are as follows.

--- GB/T 28278.1-2012 Plain bearings under steady-state conditions are not back to the oil sump the hydrostatic radial bearing Part 1

Point. do not bring back sump oil lubrication Radial sliding bearing calculation (ISO 12168-1:2001, 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, Shanghai, Zhejiang send Bearing Co., Ltd. Shanghai Branch plain bearings,

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Under steady-state conditions do not bring back the slide bearing fluid sump

Hydrostatic radial bearings - Part 2. Do not bring back

Sump oil lubrication radial sliding bearings calculated property values

1 Scope

This section GB/T 28278 given in the form of a chart does not bring back the sump oil lubrication Radial Bearing calculated characteristic value.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

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

Under steady-state conditions ISO 12168-1 Plain bearings are not brought back to sump the hydrostatic radial bearings - Part 1. Not back to sump

Calculation of oil-lubricated radial plain bearings

(Plainbearings-Hydrostaticplainjournalbearingswithoutdrainage

groovesundersteady-stateconditions-Part 1. Calculationofoil-lubricatedplainjournalbearings withoutdrainagegrooves)

3 characteristic values

See Figure 1 and Table 1 to 19.

This section gives a characteristic value used to calculate back to the oil tank is not lubricated radial sliding bearings are necessary, these values \u200b\u200bare based on

ISO 12168-1 specified premises and boundary conditions to use when calculating the value can be found from the chart, and explanation of symbols

Calculation example see ISO 12168-1. When designing a radial bearing, the characteristic values \u200b\u200bin Table 1 can be used to optimize the design of the bearing.