

# PSM 253030 A51 Sintered bronze

## straight bushing



### Sintered bronze straight bushing

SKF sintered bronze straight (cylindrical) bushings are suitable for rotating, oscillating and linear movements, and can accommodate radial loads. SKF sintered bronze bushings are self-lubricating and maintenance-free. They consist of a porous bronze matrix that is impregnated with mineral oil. The oil impregnation enables very high sliding velocities and makes these bushings suitable for rotating applications.

- Maintenance-free operation
- Low coefficient of friction
- Very high sliding velocity

## Overview

### Dimensions

Bore diameter	25 mm
Outside diameter	30 mm
Width	30 mm

## Properties

Design	Straight
Material	Sintered bronze
Relubrication feature	Without

## Technical Specification

Material	Sintered bronze
Operating temperature	min. -10 °C
Operating temperature	max. 90 °C

### Dimensions

d	25 mm	Bore diameter
D	30 mm	Outside diameter
B	30 mm	Width



### Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

### Calculation data

Specific dynamic load factor	K	10 N/mm <sup>2</sup>
Specific static load factor	K <sub>0</sub>	20 N/mm <sup>2</sup>
Permissible sliding velocity	v	min. 0.25 m/s
Permissible sliding velocity	v	max. 5 m/s
Coefficient of friction	μ	min. 0.05
Coefficient of friction	μ	max. 0.1

## Mass

Mass bushing

0.043 kg

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