

Image may differ from product. See technical specification for details.

## PSMF 182418 A51

### Sintered bronze flanged bushing

SKF sintered bronze flanged bushings are suitable for rotating, oscillating and linear movements, and can accommodate radial loads as well as axial loads in one direction. 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	18 mm
Outside diameter	24 mm
Width	18 mm
Flange diameter	30 mm
Flange thickness	3 mm

Properties

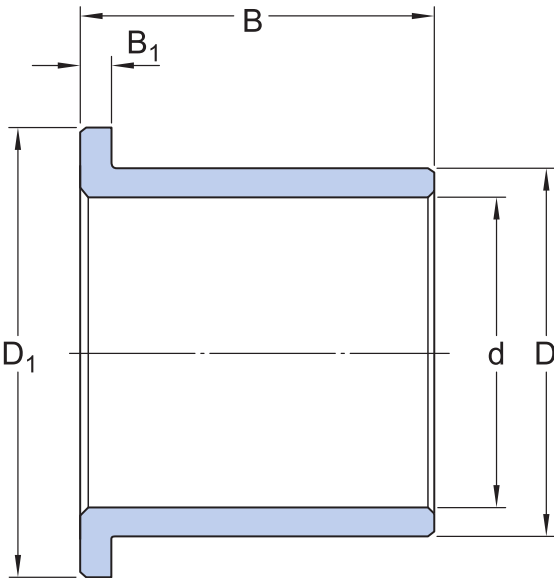
Design	Flanged
Material	Sintered bronze
Relubrication feature	Without

Logistics

Product net weight	0.029 kg
eClass code	23-05-01-90
UNSPSC code	31171605

Technical specification

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



Dimensions

d	18 mm	Bore diameter
D	24 mm	Outside diameter
B	18 mm	Width
D <sub>1</sub>	30 mm	Outside diameter flange
B <sub>1</sub>	3 mm	Width flange

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	$\mu$	min. 0.05
Coefficient of friction	$\mu$	max. 0.1

More Information

<div> Product details</div> <div><a href="#">Designs and variants</a></div> <div><a href="#">Bushing data</a></div> <div><a href="#">Design of bushing arrangements</a></div> <div><a href="#">Designation system</a></div>	<div> Engineering information</div> <div><a href="#">Principles of selection</a></div>	<div> Tools</div> <div><a href="#">SKF Product select</a></div>
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