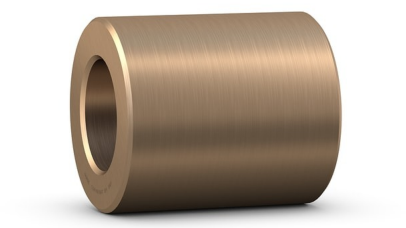
PSM 455545 A51Sintered bronze straight bushing



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	45 mm
Outside diameter	55 mm
Width	45 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	45 mm	Bore diameter
D	55 mm	Outside diameter
B	45 mm	Width

Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

Calculation data

Specific dynamic load factor	K	10 N/mm^2
Specific static load factor	K_0	20 N/mm^2
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	0.24 kg

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