

# PBMF 253525 M1G1Solid bronze

## flanged bushing

### Solid bronze flanged bushing



SKF solid bronze flanged bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads as well as axial loads in one direction. They are designed for a wide variety of operating conditions and applications in tough environments.

- Insensitive to dirty environments
- Resistant to impact loads and vibrations at low speeds
- Operate with lower quality shaft finish
- Good corrosion resistance

## Overview

### Dimensions

Bore diameter	25 mm
Outside diameter	35 mm
Width	25 mm
Flange diameter	45 mm
Flange thickness	5 mm

## Properties

Design	Flanged
Material	Solid bronze
Relubrication feature	With

## Technical Specification

Material	Solid bronze
Operating temperature	min. -40 °C
Operating temperature	max. 250 °C



### Dimensions

d	25 mm	Bore diameter
D	35 mm	Outside diameter
B	25 mm	Width
D <sub>1</sub>	45 mm	Outside diameter flange
B <sub>1</sub>	5 mm	Width flange
a	3 mm	Distance side face - axial lubrication groove
h	26 mm	Distance bottom axial lubrication groove - opposite bore diameter
α	124°	Aperture angle axial lubrication groove

### Recommended fits

Tolerance shaft	e7
Tolerance housing	H7

### Calculation data

Specific dynamic load factor	K	25 N/mm <sup>2</sup>
Specific static load factor	K <sub>0</sub>	45 N/mm <sup>2</sup>

Permissible sliding velocity	v	max. 0.5 m/s
Coefficient of friction	$\mu$	min. 0.08
Coefficient of friction	$\mu$	max. 0.15

## Mass

Mass bushing		0.13 kg
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