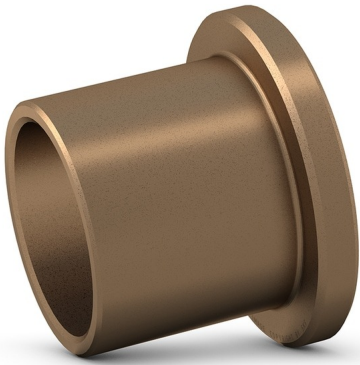


# PSMF 506050 A51 Sintered bronze

## flanged bushing

### 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    | 50 mm |
| Outside diameter | 60 mm |
| Width            | 50 mm |
| Flange diameter  | 70 mm |
| Flange thickness | 5 mm  |

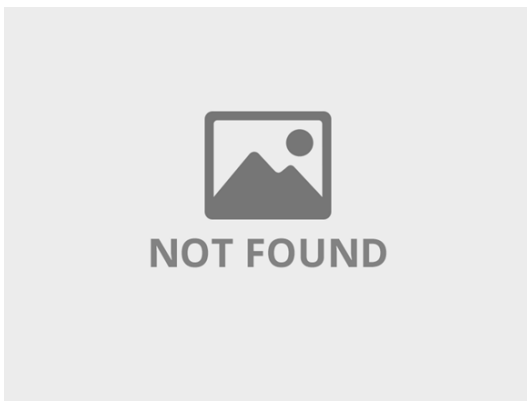
## Properties

|                       |                 |
|-----------------------|-----------------|
| Design                | Flanged         |
| Material              | Sintered bronze |
| Relubrication feature | Without         |

## Technical Specification

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

### Dimensions



|                |       |                         |
|----------------|-------|-------------------------|
| d              | 50 mm | Bore diameter           |
| D              | 60 mm | Outside diameter        |
| B              | 50 mm | Width                   |
| D <sub>1</sub> | 70 mm | Outside diameter flange |
| B <sub>1</sub> | 5 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      | μ              | min. 0.05            |
| Coefficient of friction      | μ              | max. 0.1             |

## Mass

Mass bushing

0.32 kg

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