

# PSM 202830 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    | 20 mm |
| Outside diameter | 28 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 | 20 mm | Bore diameter    |
| D | 28 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

0.061 kg

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