PBMF 202820 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

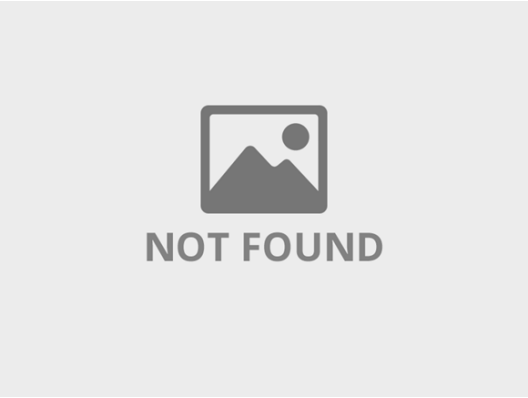
Bore diameter	20 mm
Outside diameter	28 mm
Width	20 mm
Flange diameter	35 mm
Flange thickness	4 mm

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	20 mm	Bore diameter
D	28 mm	Outside diameter
B	20 mm	Width
D_1	35 mm	Outside diameter flange
B_1	4 mm	Width flange
a	3 mm	Distance side face - axial lubrication groove
h	21 mm	Distance bottom axial lubrication groove - opposite bore diameter
α	105 °	Aperture angle axial lubrication groove

Recommended fits

Tolerance shaft	e7
Tolerance housing	H7

Calculation data

Specific dynamic load factor	K	25 N/mm^2
Specific static load factor	K_0	45 N/mm^2

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

Mass

Mass bushing	0.064 kg

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