PCMF 081007.5 EPTFE composite flanged bushing

PTFE composite flanged bushing

SKF PTFE composite flanged bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads as well as axial loads in one direction. Despite their thin-walled design, they can accommodate heavy loads. They also provide good heat dissipation, therefore enabling relatively high sliding velocities.

- Maintenance-free operation
- Cost-effective with long service life
- High operating temperatures
- High load carrying capacity
- High sliding velocity and small operating clearance

Overview

Dimensions

Bore diameter	8 mm
Outside diameter	10 mm
Width	7.5 mm
Flange diameter	15 mm
Flange thickness	1 mm

Performance

Basic dynamic load rating, radial direction	3.55 kN
Basic static load rating, radial direction	11 kN
Basic dynamic load rating, axial direction	5.1 kN
Basic static load rating, axial direction	16 kN

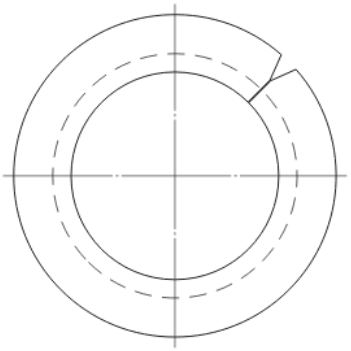
Properties

Design	Flanged
Material	PTFE composite
Relubrication feature	Without

Technical Specification

Material	PTFE composite
Operating temperature	min. -200 °C
Operating temperature	max. 250 °C

NOT FOUND



Dimensions

d	8 mm	Bore diameter
D	10 mm	Outside diameter
B	7.5 mm	Width
D_1	15 mm	Outside diameter flange
B_1	1 mm	Width flange
c_1	min. 0.1 mm	Length chamfer bore - axial direction
c_1	max. 0.6 mm	Length chamfer bore - axial direction
c_2	min. 0.2 mm	Length chamfer outside diameter - axial direction
c_2	max. 1 mm	Length chamfer outside diameter - axial direction
r	max. 1 mm	Radius flange/bushing outside diameter

Recommended fits

Tolerance shaft	f7
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	3.55 kN
Basic static load rating, radial direction	C_0	11 kN
Basic dynamic load rating, axial direction	C_a	5.1 kN
Basic static load rating, axial direction	C_{0a}	16 kN
Specific dynamic load factor	K	80 N/mm²
Specific static load factor	K_0	250 N/mm²
Factor depending on material and bearing type	K_M	480
Permissible sliding velocity	v	max. 2 m/s
Coefficient of friction	μ	min. 0.03
Coefficient of friction	μ	max. 0.25

Mass

Mass bushing	0.0025 kg

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