

Image may differ from product. See technical specification for details.

PCM 758050 E

PTFE composite straight bushing

SKF PTFE composite straight (cylindrical) bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads. 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	75 mm
Outside diameter	80 mm
Width	50 mm

Performance

Basic dynamic load rating	300 kN
Basic static load rating	930 kN

Properties

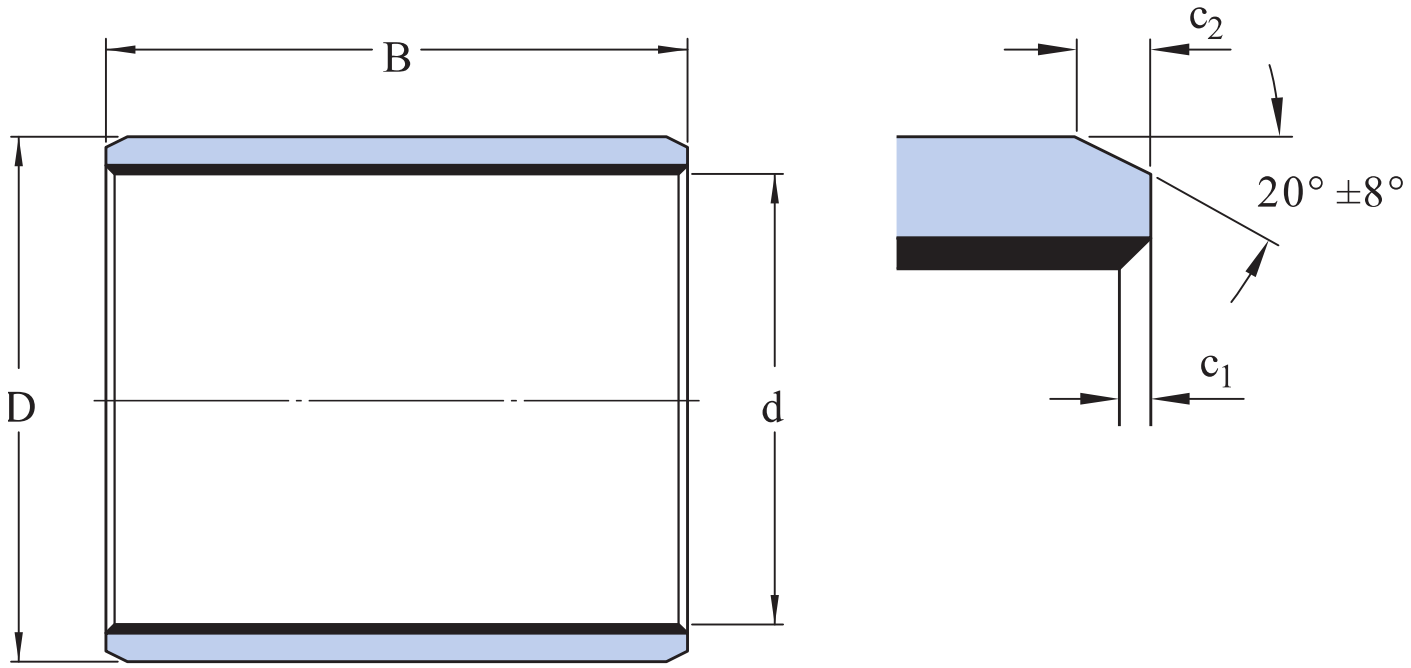
Design	Straight
Material	PTFE composite
Relubrication feature	Without

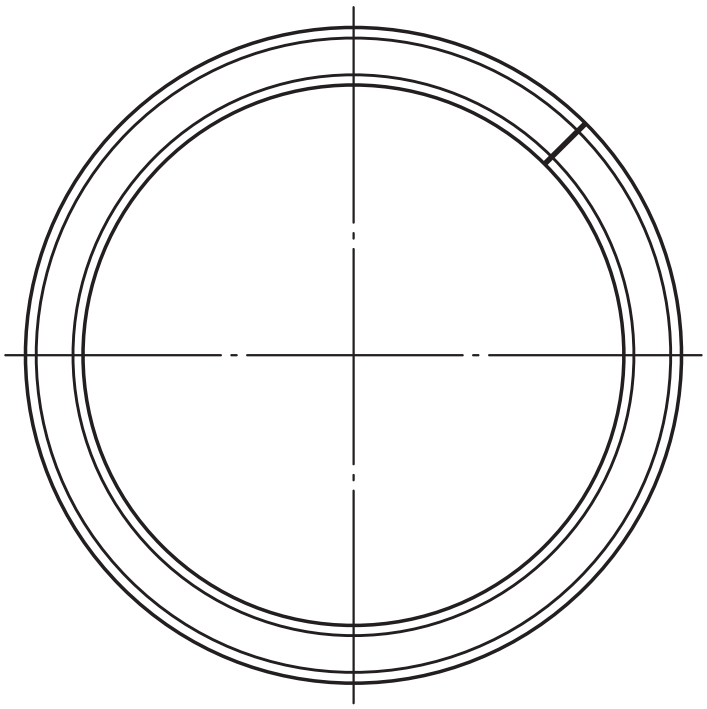
Logistics

Product net weight	0.225 kg
eClass code	23-05-01-90
UNSPSC code	31171605

Technical specification

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





Dimensions

d	75 mm	Bore diameter
D	80 mm	Outside diameter
B	50 mm	Width
c_1	min. 0.2 mm	Length chamfer bore - axial direction
c_1	max. 1 mm	Length chamfer bore - axial direction
c_2	min. 0.8 mm	Length chamfer outside diameter - axial direction
c_2	max. 1.6 mm	Length chamfer outside diameter - axial direction

Recommended fits

Tolerance shaft	f7
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	300 kN
Basic static load rating, radial direction	C_0	930 kN
Specific dynamic load factor	K	80 N/mm^2
Specific static load factor	K_0	250 N/mm^2
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

Tolerances and clearances

BUSHING DATA

- Tolerances
- Operating clearance

DESIGN OF BUSHING ARRANGEMENTS

- Shaft and housing tolerances

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