



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

PCM 808540 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	80 mm
Outside diameter	85 mm
Width	40 mm

Performance

Basic dynamic load rating	250 kN
Basic static load rating	780 kN

Properties

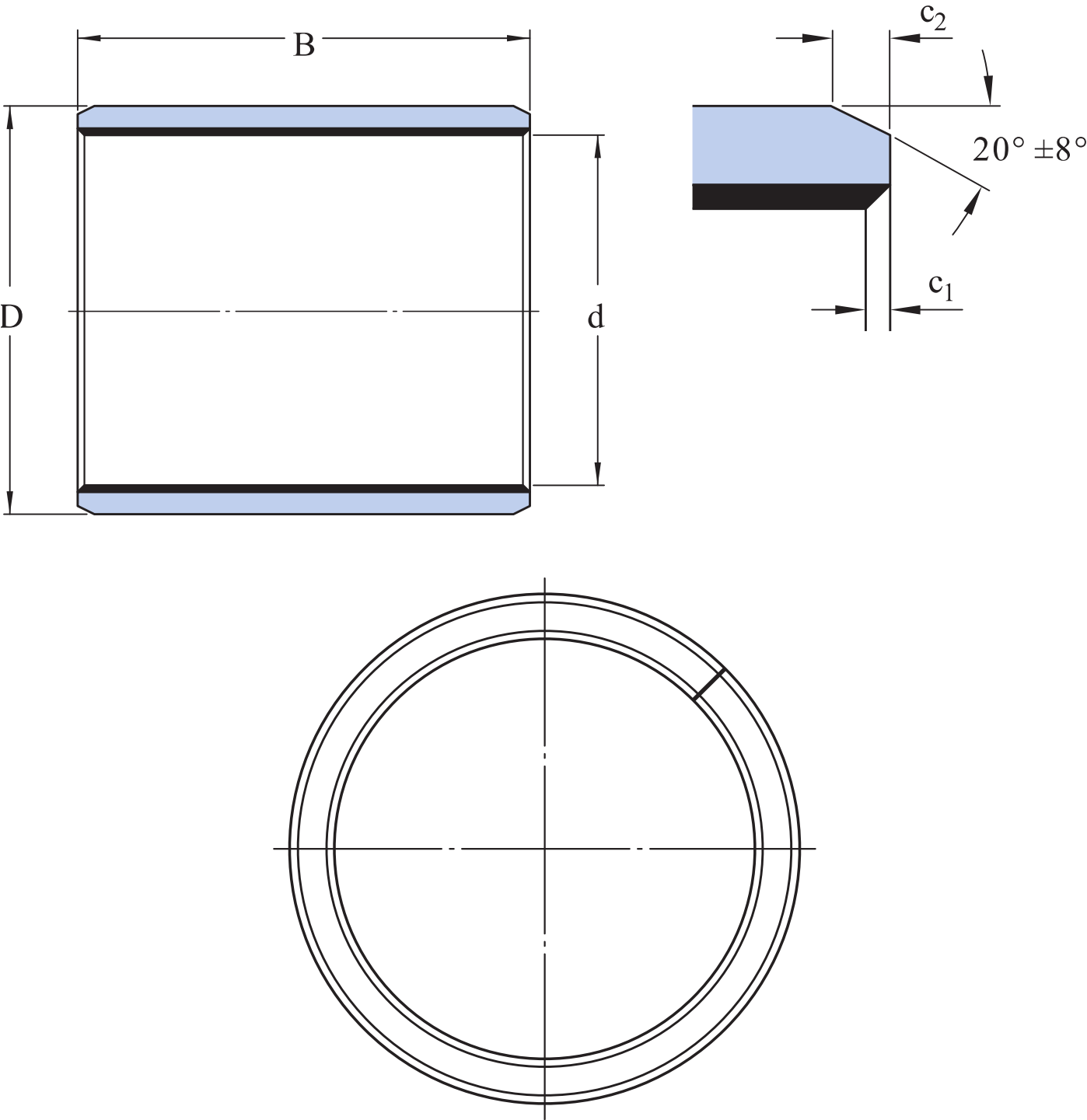
Design	Straight
Material	PTFE composite
Relubrication feature	Without

Logistics

Product net weight	0.195 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	80 mm	Bore diameter
D	85 mm	Outside diameter
B	40 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	250 kN
Basic static load rating, radial direction	C ₀	780 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



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