

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

PCM 130135100 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	130 mm
Outside diameter	135 mm
Width	100 mm

Performance

Basic dynamic load rating	1 020 kN
Basic static load rating	3 200 kN

Properties

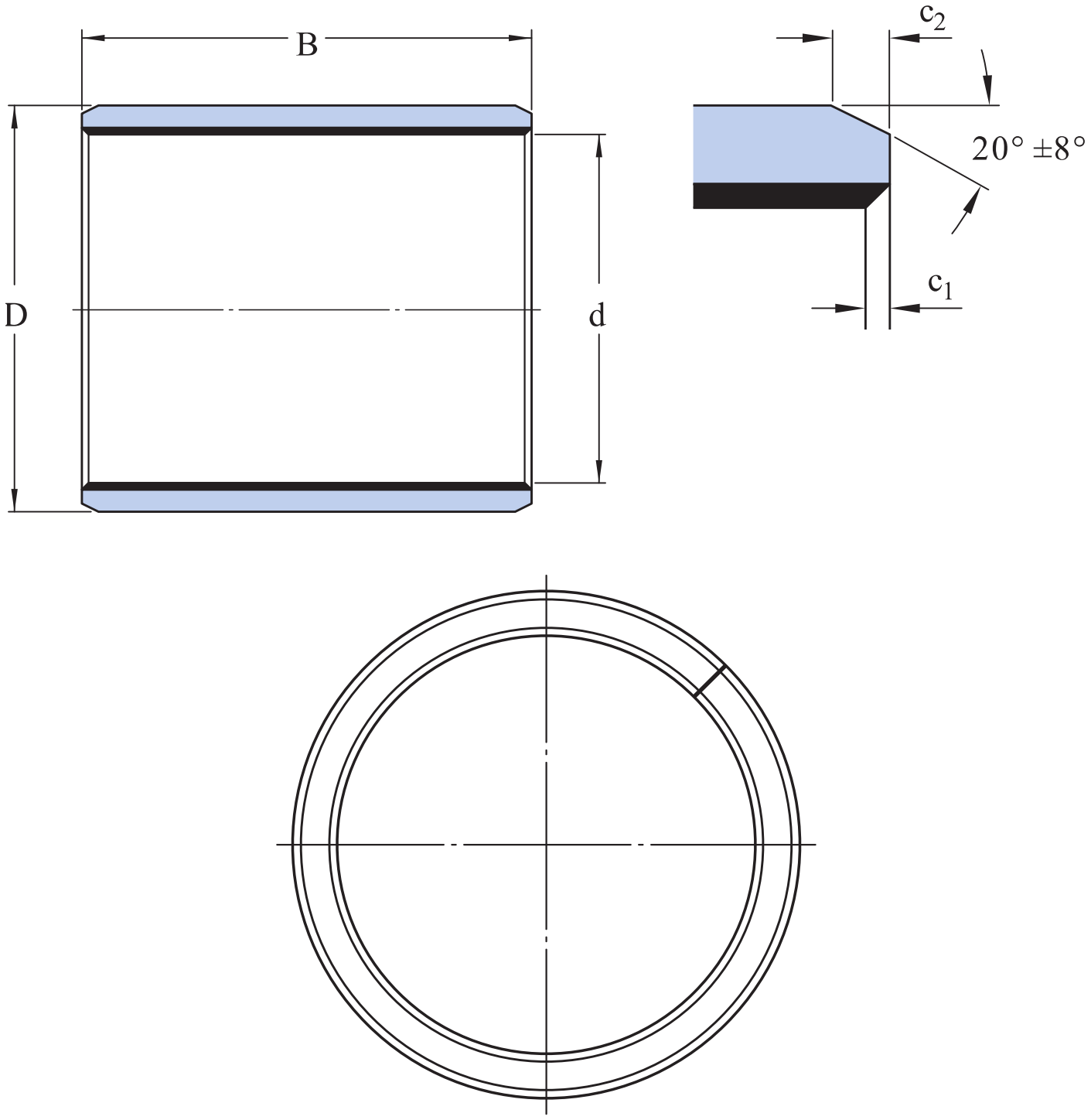
Design	Straight
Material	PTFE composite
Relubrication feature	Without

Logistics

Product net weight	0.776 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	130 mm	Bore diameter
D	135 mm	Outside diameter
B	100 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	h8
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	1 020 kN
Basic static load rating, radial direction	C_0	3 200 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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