



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

PCM 10010580 M

POM composite straight bushing

SKF POM composite straight (cylindrical) bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads. After initial grease fill, they are optimized for minimal maintenance under tough operating conditions. Pockets in the sliding

surface serve as grease reservoirs. Relubrication can extend bearing service life considerably. Despite their compact design, they can accommodate heavy loads.

- Cost-effective with long service life
- Very good frictional properties
- High load carrying capacity
- High sliding velocity

Overview

Dimensions

Bore diameter	100 mm
Outside diameter	105 mm
Width	80 mm

Performance

Basic dynamic load rating	950 kN
Basic static load rating	1 960 kN

Properties

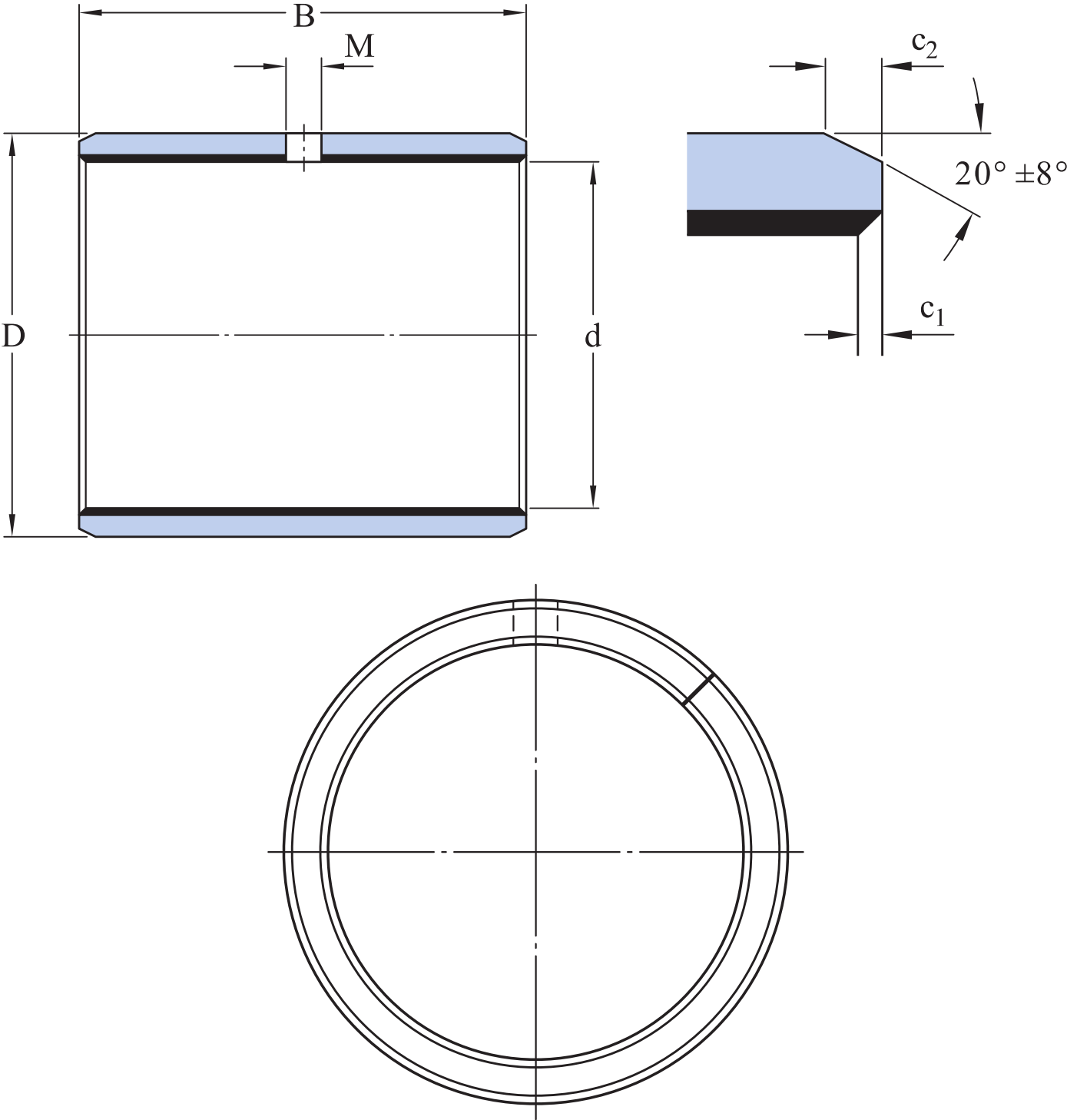
Design	Straight
Material	POM composite
Relubrication feature	With

Logistics

Product net weight	0.395 kg
eClass code	23-05-01-90
UNSPSC code	31171605

Technical specification

Material	POM composite
Operating temperature	min. -40 °C
Operating temperature	max. 110 °C



Dimensions

d	100 mm	Bore diameter
D	105 mm	Outside diameter
B	80 mm	Width
M	6 mm	Diameter lubrication hole

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	950 kN
Basic static load rating, radial direction	C ₀	1 960 kN
Specific dynamic load factor	K	120 N/mm ²
Specific static load factor	K ₀	250 N/mm ²
Factor depending on material and bearing type	K _M	1 900
Permissible sliding velocity	v	max. 2.5 m/s
Coefficient of friction	μ	min. 0.02
Coefficient of friction	μ	max. 0.2



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