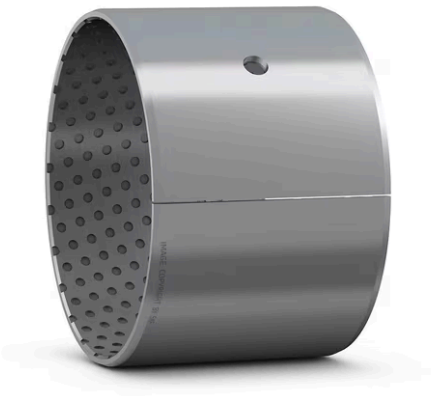


Image may differ from product. See technical specification for details.

PCM 222525 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	22 mm
Outside diameter	25 mm
Width	25 mm

Performance

Basic dynamic load rating	64 kN
Basic static load rating	134 kN

Properties

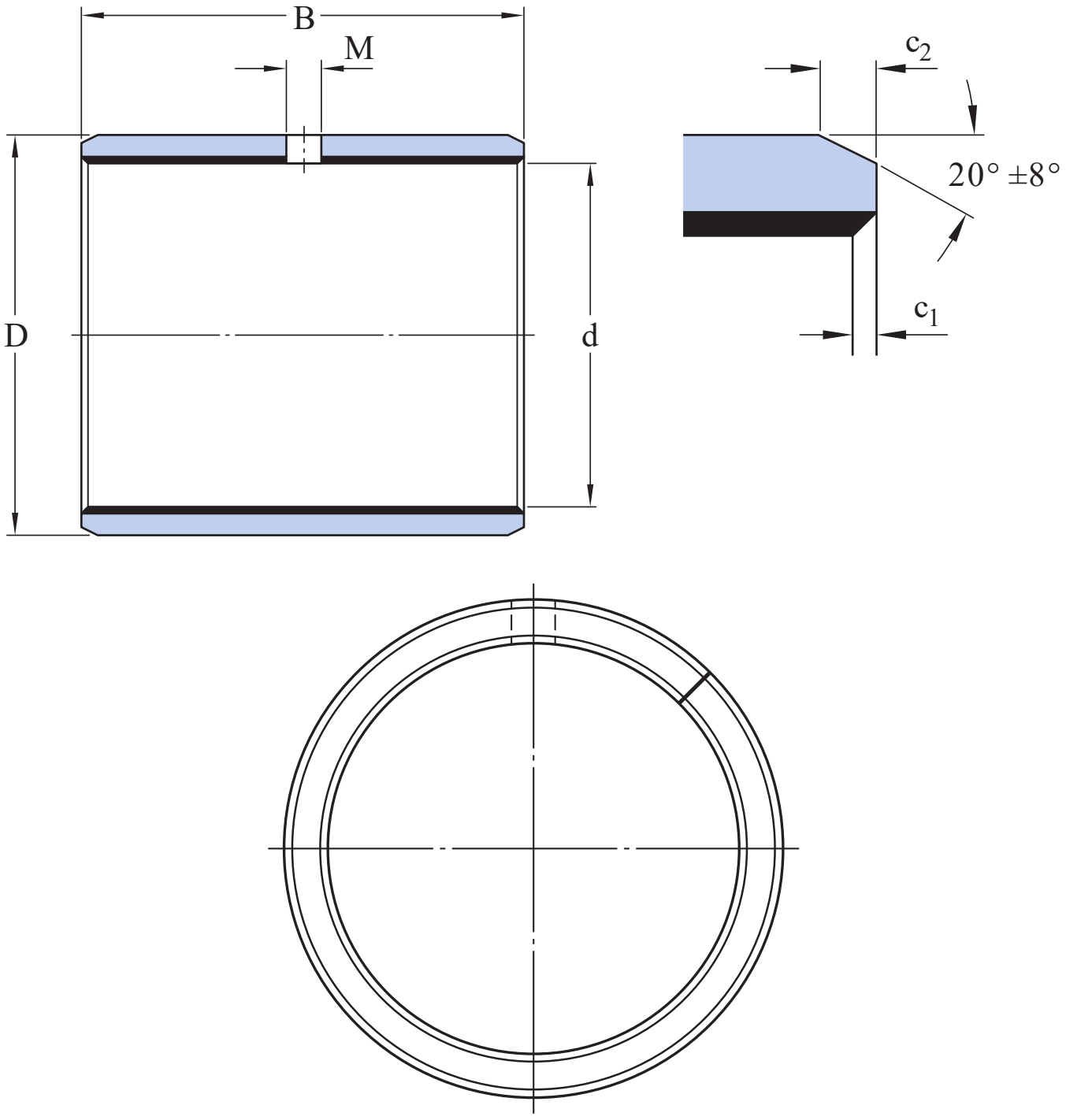
Design	Straight
Material	POM composite
Relubrication feature	With

Logistics

Product net weight	0.015 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	22 mm	Bore diameter

D	25 mm	Outside diameter
B	25 mm	Width
M	3 mm	Diameter lubrication hole
c_1	min. 0.1 mm	Length chamfer bore - axial direction
c_1	max. 0.7 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

Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	64 kN
Basic static load rating, radial direction	C_0	134 kN
Specific dynamic load factor	K	120 N/mm²
Specific static load factor	K_0	250 N/mm²
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

Tolerances and clearances

BUSHING DATA

- Tolerances
- Operating clearance

DESIGN OF BUSHING ARRANGEMENTS

- Shaft and housing tolerances

More Information

Product details

- Designs and variants
- Bushing data
- Design of bushing arrangements
- Designation system

Engineering information

- Principles of selection

Tools

- SKF Product select

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