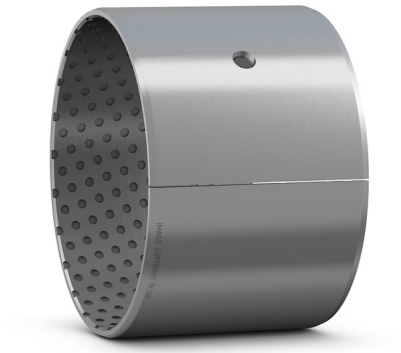


PCM 18018580 MPOM composite straight bushing

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	180 mm
Outside diameter	185 mm
Width	80 mm

Performance

Basic dynamic load rating	1 700 kN
Basic static load rating	3 550 kN

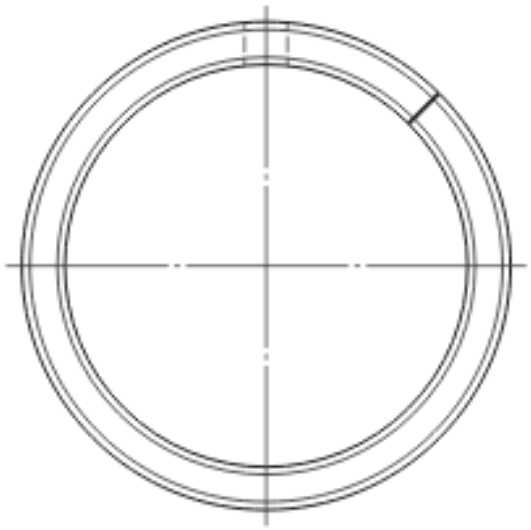
Properties

Design	Straight
Material	POM composite
Relubrication feature	With

Technical Specification

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

NOT FOUND



Dimensions

d	180 mm	Bore diameter
D	185 mm	Outside diameter
B	80 mm	Width
M	8 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	1 700 kN
Basic static load rating, radial direction	C_0	3 550 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

Mass

Mass bushing	0.8 kg

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