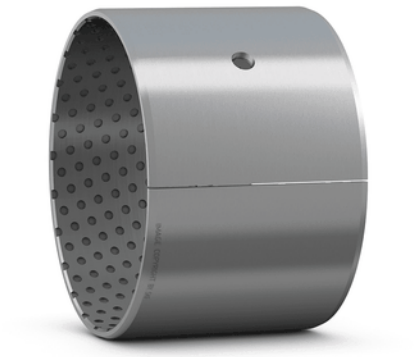


PCM 505540 M

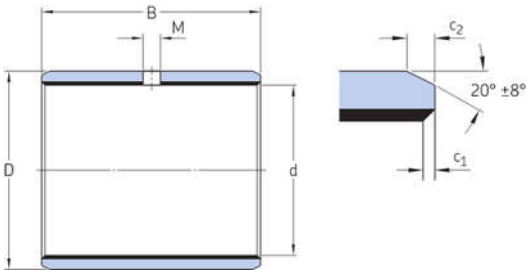
Bushings

Bushing data
Tolerances,
Operating clearance

Design of bushing arrangements
Shaft and housing tolerances

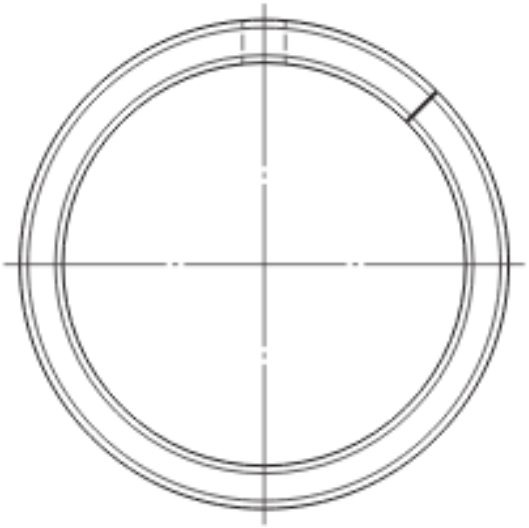
Technical specification

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



DIMENSIONS

d	50 mm	Bore diameter
D	55 mm	Outside diameter
B	40 mm	Width
M	5 mm	Diameter lubrication hole
c1	min.0.2 mm	Length chamfer bore - axial direction
c1	max.1 mm	Length chamfer bore - axial direction
c2	min.1.2 mm	Length chamfer outside diameter - axial direction
c2	max.2.4 mm	Length chamfer outside diameter - axial direction



RECOMMENDED FITS

Tolerance shaft	h8
Tolerance housing	H7

CALCULATION DATA

Basic dynamic load rating - radial direction	C	236 kN
Basic static load rating - radial direction	C0	490 kN
Specific dynamic load factor	K	120 N/mm
Specific static load factor	K_0	250 N/mm
Factor depending on material and bearing type	KM	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	0.12 kg

More information

Product details

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

Engineering information

- Principles of selection and application

Tools

- SKF Bearing Calculator

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