PCZ 1616 EPTFE composite straight bushing, inch size



PTFE composite straight bushing, inch size

SKF PTFE composite straight (cylindrical) bushings, inch sizes, 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	25.4 mm
Outside diameter	28.575 mm
Width	25.4 mm

Performance

Basic dynamic load rating	50 kN
Basic static load rating	156 kN

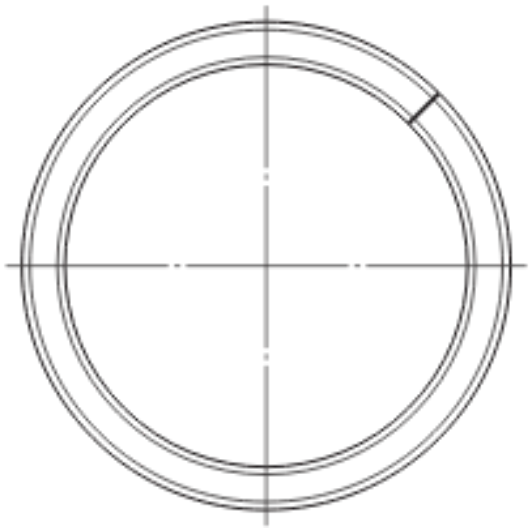
Properties

Design	Straight
Material	PTFE composite
Relubrication feature	Without

Technical Specification

Material	PTFE composite
Operating temperature	min. -200 °C
Operating temperature	max. 250 °C

NOT FOUND



Dimensions

d	25.4 mm	Bore diameter
D	28.575 mm	Outside diameter
B	25.4 mm	Width
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

Shaft diameter range	min. 25.347 mm
Shaft diameter range	max. 25.377 mm
Housing bore range	min. 28.565 mm

Housing bore range	max. 28.59 mm

Calculation data

Basic dynamic load rating, radial direction	C	50 kN
Basic static load rating, radial direction	C_0	156 kN
Specific dynamic load factor	K	80 N/mm²
Specific static load factor	K_0	250 N/mm²
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

Mass

Mass bushing	0.026 kg

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