



SKF PCMF 252821.5 E

PTFE composite flanged bushing

SKF PTFE composite flanged bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads as well as axial loads in one direction. Despite their thin-walled design, they can accommodate heavy loads. They also provide good heat dissipation, therefore enabling relatively high sliding velocities.

Technical specifications

General	
Material	PTFE composite
Operating temperature	-200 °C
Operating temperature	250 °C

Dimensions	
Bore diameter	25 mm
Outside diameter	28 mm
Width	21.5 mm
Outside diameter flange	35 mm
Width flange	1.5 mm
Length chamfer bore - axial direction	0.1 mm
Length chamfer bore - axial direction	0.7 mm
Length chamfer outside diameter - axial direction	0.2 mm
Length chamfer outside diameter - axial direction	1 mm
Radius flange/bushing outside diameter	1.5 mm
Flange diameter	35 mm
Flange thickness	1.5 mm

Recommended fits	
Tolerance shaft	f7
Tolerance housing	H7

Calculation data	
Basic dynamic load rating, radial direction	37.5 kN
Basic static load rating, radial direction	116 kN
Basic dynamic load rating, axial direction	20.4 kN
Basic static load rating, axial direction	64 kN
Specific dynamic load factor	80 N/mm ²
Specific static load factor	250 N/mm ²
Factor depending on material and bearing type	480
Permissible sliding velocity	2 m/s
Coefficient of friction	0.03
Coefficient of friction	0.25

Performance	
Basic dynamic load rating, radial direction	37.5 kN
Basic static load rating, radial direction	116 kN
Basic dynamic load rating, axial direction	20.4 kN
Basic static load rating, axial direction	64 kN

Properties	
Design	Flanged
Material	PTFE composite
Relubrication feature	Without

Logistics	
Product net weight	0.023 kg

eClass code	23-05-01-90
UNSPSC code	31171605

SKF drawings

