

PWM 809080 Filament wound

straight bushing

Filament wound straight bushing



SKF filament wound straight (cylindrical) bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads. The composite material is specially developed to accommodate heavy loads, impact loads and vibrations. The bushings are also less sensitive to misalignment and have excellent dry sliding characteristics.

- Maintenance-free operation
- Very good frictional properties
- High load carrying capacity
- Excellent corrosion resistance
- Electrically insulating

Overview

Dimensions

Bore diameter	80 mm
Outside diameter	90 mm
Width	80 mm

Performance

Basic dynamic load rating	900 kN
Basic static load rating	1 270 kN

Properties

Design	Straight
Material	Filament wound
Relubrication feature	Without

Technical Specification

Material	Filament wound
Operating temperature	min. -50 °C
Operating temperature	max. 140 °C

Dimensions

d	80 mm	Bore diameter
D	90 mm	Outside diameter
B	80 mm	Width



Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	900 kN
Basic static load rating, radial direction	C ₀	1 270 kN
Specific dynamic load factor	K	140 N/mm ²
Specific static load factor	K ₀	200 N/mm ²
Effective load carrying cross section	A	6 240 mm ²
Permissible sliding velocity	v	max. 0.5 m/s
Coefficient of friction	μ	min. 0.03

Coefficient of friction μ max. 0.08

Mass

Mass bushing	0.2 kg
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