

# PWM 708050 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	70 mm
Outside diameter	80 mm
Width	50 mm

### Performance

Basic dynamic load rating	490 kN
Basic static load rating	695 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	70 mm	Bore diameter
D	80 mm	Outside diameter
B	50 mm	Width



### Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

### Calculation data

Basic dynamic load rating, radial direction	C	490 kN
Basic static load rating, radial direction	C <sub>0</sub>	695 kN
Specific dynamic load factor	K	140 N/mm <sup>2</sup>
Specific static load factor	K <sub>0</sub>	200 N/mm <sup>2</sup>
Effective load carrying cross section	A	3 360 mm <sup>2</sup>
Permissible sliding velocity	v	max. 0.5 m/s
Coefficient of friction	μ	min. 0.03

Coefficient of friction  $\mu$  max. 0.08

## Mass

Mass bushing	0.11 kg
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