PWM 505850Filament 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	50 mm
Outside diameter	58 mm
Width	50 mm

Performance

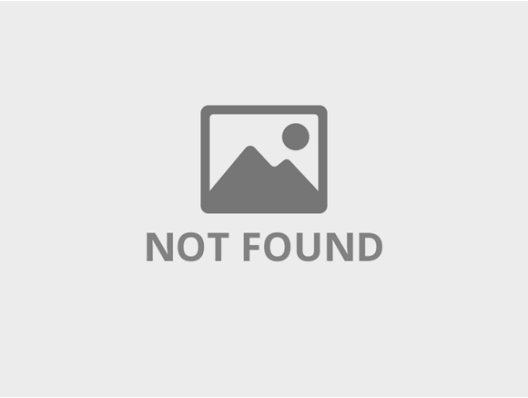
Basic dynamic load rating	345 kN
Basic static load rating	500 kN

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	50 mm	Bore diameter
D	58 mm	Outside diameter
B	50 mm	Width

Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	345 kN
Basic static load rating, radial direction	C_0	500 kN
Specific dynamic load factor	K	140 N/mm²
Specific static load factor	K_0	200 N/mm²
Effective load carrying cross section	A	2 400 mm²
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	0.063 kg

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