

Image may differ from product. See technical specification for details.

PWM 455340

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	45 mm
Outside diameter	53 mm
Width	40 mm

Performance

Basic dynamic load rating	250 kN
Basic static load rating	355 kN

Properties

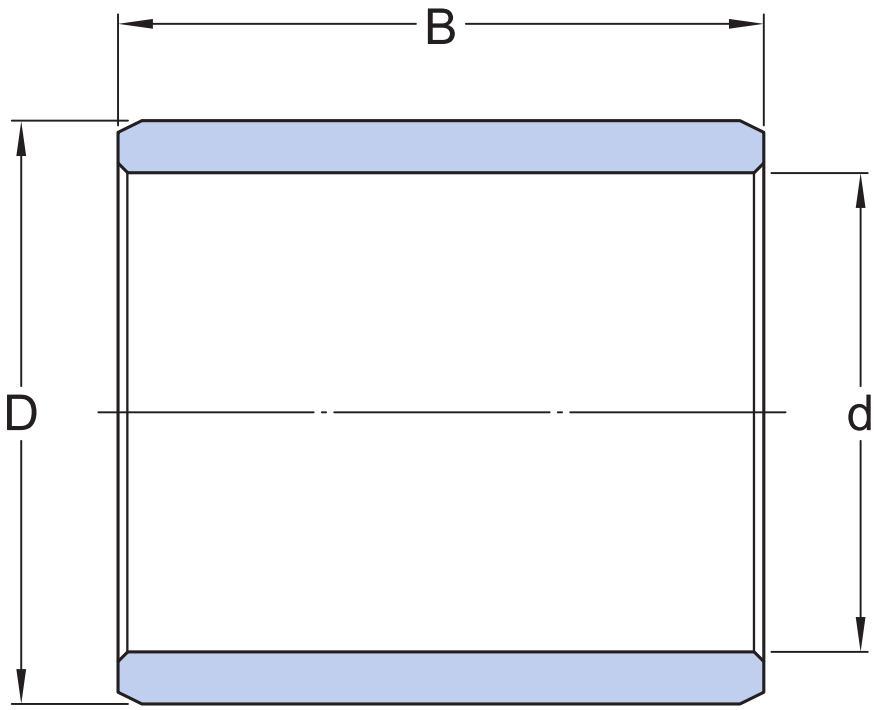
Design	Straight
Material	Filament wound
Relubrication feature	Without

Logistics

Product net weight	0.0438 kg
eClass code	23-05-01-91
UNSPSC code	31171605

Technical specification

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



Dimensions

d	45 mm	Bore diameter
D	53 mm	Outside diameter
B	40 mm	Width

Recommended fits

Tolerance shaft	h8
Tolerance housing	H7

Calculation data

Basic dynamic load rating, radial direction	C	250 kN
Basic static load rating, radial direction	C_0	355 kN
Specific dynamic load factor	K	140 N/mm²
Specific static load factor	K_0	200 N/mm²
Effective load carrying cross section	A	1 710 mm²
Permissible sliding velocity	v	max. 0.5 m/s
Coefficient of friction	μ	min. 0.03
Coefficient of friction	μ	max. 0.08

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