

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

# PWM 9010580

## 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 | 90 mm |
| Outside diameter | 105 mm |
| Width | 80 mm |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 1 000 kN |
| Basic static load rating | 1 430 kN |

## Properties

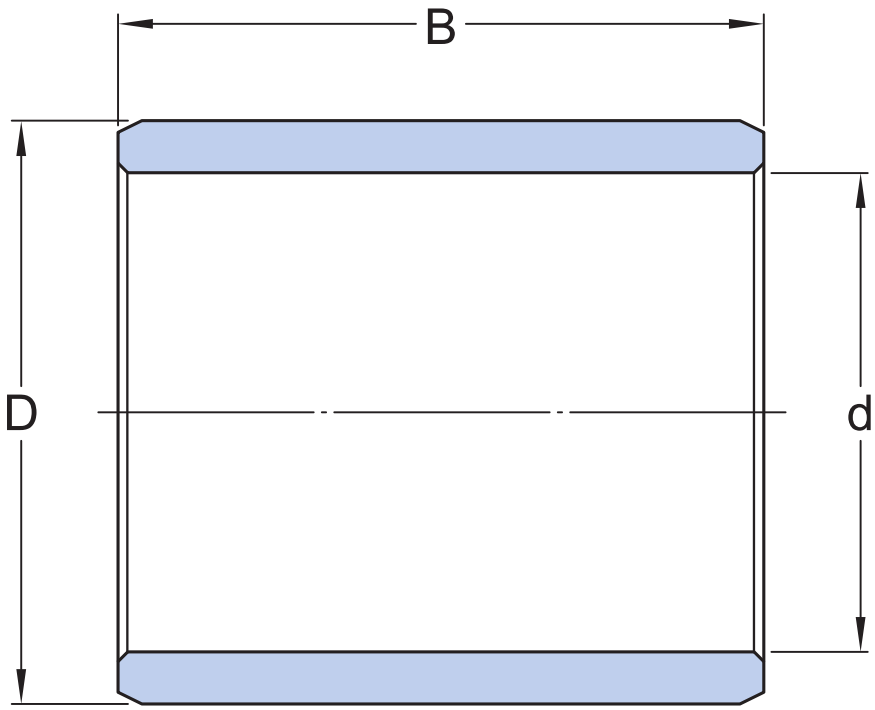
| | |
|---|---|
| Design | Straight |
| Material | Filament wound |
| Relubrication feature | Without |

## Logistics

| | |
|---|---|
| Product net weight | 0.344 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 | 90 mm | Bore diameter |
| D | 105 mm | Outside diameter |
| B | 80 mm | Width |

## Recommended fits

| | |
|---|---|
| Tolerance shaft | h8 |
| Tolerance housing | H7 |

## Calculation data

| | | |
|---|---|---|
| Basic dynamic load rating, radial direction | C | 1 000 kN |
| Basic static load rating, radial direction | $C_0$ | 1 430 kN |
| Specific dynamic load factor | K | 140 N/mm² |
| Specific static load factor | $K_0$ | 200 N/mm² |
| Effective load carrying cross section | A | 7 020 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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