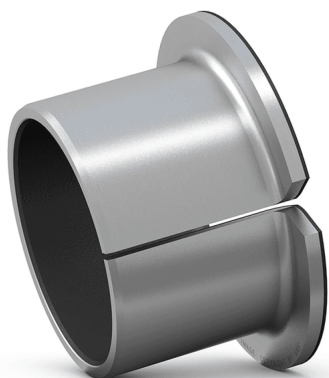




# PCMF 101207 E Bushings

## Bushings

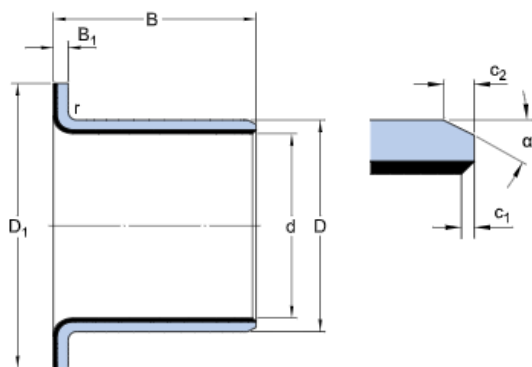
Bushing data  
[Tolerances,](#)  
[Operating clearance](#)

Design of bushing  
 arrangements  
[Shaft and housing tolerances](#)

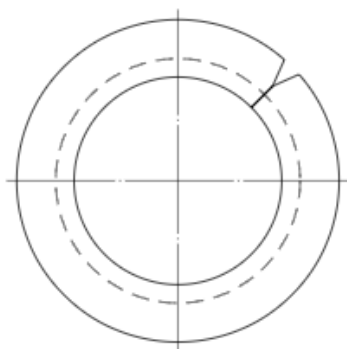
## Technical specification

|                       |                |
|-----------------------|----------------|
| Material              | PTFE composite |
| Operating temperature | min. -200 °C   |
| Operating temperature | max. 250 °C    |

## DIMENSIONS



|                |             |
|----------------|-------------|
| d              | 10 mm       |
| D              | 12 mm       |
| B              | 7 mm        |
| D <sub>1</sub> | 18 mm       |
| B <sub>1</sub> | 1 mm        |
| c <sub>1</sub> | min. 0.1 mm |
| c <sub>1</sub> | max. 0.6 mm |
| c <sub>2</sub> | min. 0.2 mm |
| c <sub>2</sub> | max. 1 mm   |
| α              | (±8°) 20 °  |
| r              | max. 1 mm   |



## RECOMMENDED FITS

|                   |    |
|-------------------|----|
| Tolerance shaft   | f7 |
| Tolerance housing | H7 |

## CALCULATION DATA

|                                               |                 |            |
|-----------------------------------------------|-----------------|------------|
| Basic dynamic load rating - radial direction  | C               | 4 kN       |
| Basic static load rating - radial direction   | C <sub>0</sub>  | 12.5 kN    |
| Basic dynamic load rating - axial direction   | C <sub>a</sub>  | 8 kN       |
| Basic static load rating - axial direction    | C <sub>0a</sub> | 25 kN      |
| Specific dynamic load factor                  | K               | 80 N/mm    |
| Specific static load factor                   | K <sub>0</sub>  | 250 N/mm   |
| Factor depending on material and bearing type | K <sub>M</sub>  | 480        |
| Permissible sliding velocity                  | v               | max. 2 m/s |
| Coefficient of friction                       | μ               | min. 0.03  |
| Coefficient of friction                       | μ               | max. 0.25  |

## MASS

|              |          |
|--------------|----------|
| Mass bushing | 0.003 kg |
|--------------|----------|

## More information

|                                                                                                                                                                                                                                |                                                                                                     |                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <p>Product details</p> <p><a href="#">Designs and variants</a></p> <hr/> <p><a href="#">Bushing data</a></p> <hr/> <p><a href="#">Design of bushing arrangements</a></p> <hr/> <p><a href="#">Designation system</a></p> <hr/> | <p>Engineering information</p> <p><a href="#">Principles of selection and application</a></p> <hr/> | <p>Tools</p> <p><a href="#">SKF Bearing Calculator</a></p> <hr/> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

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