



## SKF PCMF 161817 E

### PTFE composite flanged bushing

SKF PTFE composite flanged bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads as well as axial loads in one direction. Despite their thin-walled design, they can accommodate heavy loads. They also provide good heat dissipation, therefore enabling relatively high sliding velocities.

## Technical specifications

| General               |                |
|-----------------------|----------------|
| Material              | PTFE composite |
| Operating temperature | -200 °C        |
| Operating temperature | 250 °C         |

| Dimensions                                        |        |
|---------------------------------------------------|--------|
| Bore diameter                                     | 16 mm  |
| Outside diameter                                  | 18 mm  |
| Width                                             | 17 mm  |
| Outside diameter flange                           | 24 mm  |
| Width flange                                      | 1 mm   |
| Length chamfer bore - axial direction             | 0.1 mm |
| Length chamfer bore - axial direction             | 0.6 mm |
| Length chamfer outside diameter - axial direction | 0.2 mm |
| Length chamfer outside diameter - axial direction | 1 mm   |
| Radius flange/bushing outside diameter            | 1 mm   |
| Flange diameter                                   | 24 mm  |
| Flange thickness                                  | 1 mm   |

| Recommended fits  |    |
|-------------------|----|
| Tolerance shaft   | f7 |
| Tolerance housing | H7 |

| Calculation data                              |                       |
|-----------------------------------------------|-----------------------|
| Basic dynamic load rating, radial direction   | 18.6 kN               |
| Basic static load rating, radial direction    | 58.5 kN               |
| Basic dynamic load rating, axial direction    | 8.5 kN                |
| Basic static load rating, axial direction     | 26.5 kN               |
| Specific dynamic load factor                  | 80 N/mm <sup>2</sup>  |
| Specific static load factor                   | 250 N/mm <sup>2</sup> |
| Factor depending on material and bearing type | 480                   |
| Permissible sliding velocity                  | 2 m/s                 |
| Coefficient of friction                       | 0.03                  |
| Coefficient of friction                       | 0.25                  |

| Performance                                 |         |
|---------------------------------------------|---------|
| Basic dynamic load rating, radial direction | 18.6 kN |
| Basic static load rating, radial direction  | 58.5 kN |
| Basic dynamic load rating, axial direction  | 8.5 kN  |
| Basic static load rating, axial direction   | 26.5 kN |

| Properties            |                |
|-----------------------|----------------|
| Design                | Flanged        |
| Material              | PTFE composite |
| Relubrication feature | Without        |

| Logistics          |           |
|--------------------|-----------|
| Product net weight | 0.0078 kg |

|             |             |
|-------------|-------------|
| eClass code | 23-05-01-90 |
| UNSPSC code | 31171605    |

# SKF drawings

