



## SKF PCM 303430 E

### PTFE composite straight bushing

SKF PTFE composite straight (cylindrical) bushings are suitable for oscillating, rotating and linear movements, and can accommodate radial loads. 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                                     | 30 mm  |
| Outside diameter                                  | 34 mm  |
| Width                                             | 30 mm  |
| Length chamfer bore - axial direction             | 0.1 mm |
| Length chamfer bore - axial direction             | 0.7 mm |
| Length chamfer outside diameter - axial direction | 0.6 mm |
| Length chamfer outside diameter - axial direction | 1.4 mm |

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

| Calculation data                              |                       |
|-----------------------------------------------|-----------------------|
| Basic dynamic load rating, radial direction   | 69.5 kN               |
| Basic static load rating, radial direction    | 220 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 | 69.5 kN |
| Basic static load rating  | 220 kN  |

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

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 0.0454 kg   |
| eClass code        | 23-05-01-90 |
| UNSPSC code        | 31171605    |

# SKF drawings

