



## SKF 361207 R

Single row cam roller with crowned outer surface and seals on both sides

Single row cam rollers, with seals on both sides, are designed to run on all types of tracks and to be used in cam drives, conveyor systems, etc. They are based on a single-row deep groove ball bearing and have a thick-walled outer ring with a crowned running surface. They are supplied sealed and greased for the life of the bearing, and are ready-to-mount. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

### Technical specifications

| Dimensions                                 |         |
|--------------------------------------------|---------|
| Outside diameter                           | 80 mm   |
| Bore diameter                              | 35 mm   |
| Width                                      | 17 mm   |
| Shoulder/recess diameter inner ring        | 46.9 mm |
| Recess diameter outer ring                 | 62.7 mm |
| Profile running surface (crown) outer ring | 400 mm  |
| Chamfer dimension                          | 1.1 mm  |
| Functional outside diameter                | 80 mm   |

| Calculation data            |            |
|-----------------------------|------------|
| Basic dynamic load rating   | 22.1 kN    |
| Basic static load rating    | 11.8 kN    |
| Fatigue load limit          | 0.5 kN     |
| Maximum dynamic radial load | 12.9 kN    |
| Maximum static radial load  | 18.3 kN    |
| Limiting speed              | 4500 r/min |
| Calculation factor          | 13.8       |

| Performance               |            |
|---------------------------|------------|
| Basic dynamic load rating | 22.1 kN    |
| Basic static load rating  | 11.8 kN    |
| Limiting speed            | 4500 r/min |

| Properties                    |                                         |
|-------------------------------|-----------------------------------------|
| Bearing part                  | Complete track roller                   |
| Rolling elements              | Balls                                   |
| Number of rows                | 1                                       |
| Outer ring profile            | Crowned                                 |
| Axial guidance of outer ring  | Yes                                     |
| Number of flanges, outer ring | 0                                       |
| Cage                          | With                                    |
| Radial internal clearance     | C3                                      |
| Tolerance class               | Normal (except crowned running surface) |
| Material, bearing             | Bearing steel                           |
| Coating                       | Without                                 |
| Sealing                       | Seal on both sides                      |
| Sealing type                  | Contact                                 |
| Lubricant                     | Grease                                  |
| Relubrication feature         | Without                                 |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 0.414 kg    |
| eClass code        | 23-05-08-01 |
| UNSPSC code        | 31171504    |

**SKF drawings**

