



6209-2RS1NR Deep groove ball bearing with snap ring and integral sealing

Deep groove ball bearing with snap ring and integral sealing

Single row deep groove ball bearing, with snap ring groove and seals or shields on one or both sides, are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than other bearing types. The snap ring, fitted in an annular groove in the outer ring, facilitates axial location of the bearings within their housings. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

- Snap ring facilitates axial location within housing
- Integral sealing prolongs bearing service life
- Typical benefits of single row deep groove ball bearings

Overview

Dimensions

| | |
|------------------|-------|
| Bore diameter | 45 mm |
| Outside diameter | 85 mm |
| Width | 19 mm |

Performance

| | |
|---------------------------|--------------|
| Basic dynamic load rating | 35.1 kN |
| Basic static load rating | 21.6 kN |
| Reference speed | 17 000 r/min |
| Limiting speed | 5 000 r/min |
| SKF performance class | SKF Explorer |

Properties

| | |
|--------------------------------------|--------------------|
| Filling slots | Without |
| Number of rows | 1 |
| Locating feature, bearing outer ring | Snap ring (fitted) |
| Bore type | Cylindrical |
| Cage | Sheet metal |
| Matched arrangement | No |
| Radial internal clearance | CN |
| Tolerance class | Class P6 (P6) |
| Material, bearing | Bearing steel |
| Coating | Without |

| | |
|-----------------------|--------------------|
| Sealing | Seal on both sides |
| Sealing type | Contact |
| Lubricant | Grease |
| Relubrication feature | Without |

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