



310 NA/C3L Deep groove ball bearing with filling slots and snap ring groove

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Single row deep groove ball bearings with filling slots and a snap ring groove accommodate more balls than standard deep groove ball bearings. They are of a simple, yet versatile, design and are robust in operation, requiring little maintenance. They can accommodate radial and axial loads in both directions. They have a higher radial load carrying capacity than the corresponding bearings without filling slots but have a limited axial load carrying capacity due to the filling slots. An annular groove in the outer ring enables the bearings to retain a snap ring.

- Can accommodate snap ring
- Simple, versatile and robust design
- Accommodate higher radial loads than corresponding bearings without filling slots, with limited axial loads in both directions
- Require little maintenance

Overview

Dimensions

Bore diameter	50 mm
Outside diameter	110 mm
Width	27 mm

Performance

Basic dynamic load rating	64.4 kN
Basic static load rating	52 kN
Reference speed	11 000 r/min
Limiting speed	7 000 r/min

Properties

Filling slots	With
Number of rows	1
Locating feature, bearing outer ring	Snap ring groove
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	No
Radial internal clearance	C3L
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without

Sealing	Without
Lubricant	None
Relubrication feature	Without

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