

# 1726309-2RS1 Insert bearing, with standard IR, sealed 2RS1



## Insert bearing, with standard IR, sealed 2RS1

Insert bearings are based on sealed deep groove ball bearings. These insert bearings are suitable for applications where smooth running is a key operational parameter. It can accommodate heavier axial loads than any other insert bearing. The bearings are sealed on both sides, made of sheet steel reinforced NBR, and are fitted in a recess on the outer ring and ride against the inner ring shoulder to act as contact seals.

- Smooth running
- Can accommodate heavy axial loads
- Sealed on both sides

## Overview

### Dimensions

Bore diameter	45 mm
Outside diameter	100 mm
Width, total	25 mm
Width, inner ring	25 mm
Width, outer ring	25 mm

## Performance

Basic dynamic load rating	52.7 kN
Basic static load rating	31.5 kN
Limiting speed	4 500 r/min

## Properties

Retaining feature, inner ring	Interference fit
Bore type	Cylindrical
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	None (standard ring)
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact, RS1
Lubricant	Grease

Relubrication feature

Without

## Technical Specification



### Dimensions

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width of inner ring
$d_1$	$\approx 62.18$ mm	Outside diameter of inner ring
$r_{1,2}$	min. 1.5 mm	Chamfer dimension of inner ring

### Calculation data

Basic dynamic load rating	C	52.7 kN
Basic static load rating	$C_0$	31.5 kN
Fatigue load limit	$P_u$	1.34 kN
Limiting speed		4 500 r/min
Calculation factor	$f_0$	13

### Mass

Mass	0.8 kg
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