

1726310-2RS1 Insert bearing, with standard IR, sealed 2RS1



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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	50 mm
Outside diameter	110 mm
Width, total	27 mm
Width, inner ring	27 mm
Width, outer ring	27 mm

Performance

Basic dynamic load rating	61.8 kN
Basic static load rating	38 kN
Limiting speed	4 300 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	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width of inner ring
d_1	≈ 68.76 mm	Outside diameter of inner ring
$r_{1,2}$	min. 2 mm	Chamfer dimension of inner ring

Calculation data

Basic dynamic load rating	C	61.8 kN
Basic static load rating	C_0	38 kN
Fatigue load limit	P_u	1.6 kN
Limiting speed		4 300 r/min
Calculation factor	f_0	13

Mass

Mass		1.05 kg
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