

6224-2RS1

Popular item

Deep groove ball bearings

Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

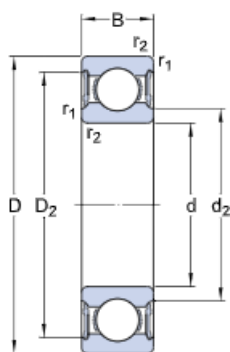
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

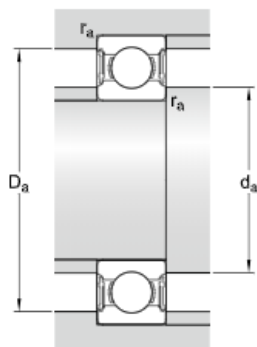
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	120 mm
D	215 mm
B	40 mm
d_2	≈ 118.1 mm
D_2	≈ 189.2 mm
$r_{1,2}$	min. 2.1 mm



ABUTMENT DIMENSIONS

d_a	min. 132 mm
d_a	max. 150 mm
D_a	max. 203 mm
r_a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	146 kN
Basic static load rating	C ₀	118 kN
Fatigue load limit	P _u	3.9 kN
Limiting speed		1 900 r/min
Calculation factor	k _r	0.025
Calculation factor	f ₀	14.4

MASS

Mass bearing	5.36 kg
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More information

<p>Product details</p> <ul style="list-style-type: none"> Single row deep groove ball bearings Stainless steel deep groove ball bearings Single row deep groove ball bearings with filling slots Double row deep groove ball bearings Bearing data Loads Temperature limits Permissible speed Designation system 	<p>Engineering information</p> <ul style="list-style-type: none"> Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing interfaces Seat tolerances for standard conditions Selecting internal clearance Lubrication Sealing, mounting and dismounting Bearing failure and how to prevent it 	<p>Tools</p> <ul style="list-style-type: none"> Bearing Select SimPro Quick Engineering Calculator LubeSelect for SKF greases Heater selection tool Rolling bearings mounting and dismounting instructions
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