

## RLS 4-2Z

### 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,](#)

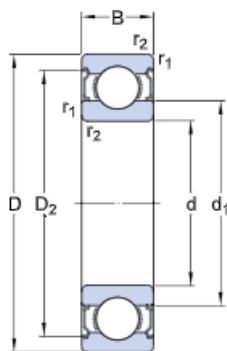
[Tolerances and resultant fits](#)

## Technical specification

Aftermarket only

Yes

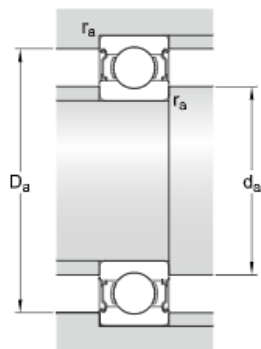
### DIMENSIONS



d	12.7 mm
D	33.338 mm
B	9.525 mm
d <sub>1</sub>	≈ 18.45 mm
D <sub>2</sub>	≈ 27.34 mm
r <sub>1,2</sub>	min. 0.8 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 17 mm
d <sub>a</sub>	max. 18.2 mm
D <sub>a</sub>	max. 29 mm
r <sub>a</sub>	max. 0.8 mm



## CALCULATION DATA

Basic dynamic load rating	$C$	7.28 kN
Basic static load rating	$C_0$	3.1 kN
Fatigue load limit	$P_u$	0.132 kN
Reference speed		45 000 r/min
Limiting speed		26 000 r/min
Calculation factor	$k_r$	0.025
Calculation factor	$f_0$	12

## MASS

Mass bearing	0.041 kg
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## More information

Product details	Engineering information	Tools
<a href="#">Single row deep groove ball bearings</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Bearing Select</a>
<a href="#">Stainless steel deep groove ball bearings</a>	<a href="#">General bearing knowledge</a>	<a href="#">SimPro Quick</a>
<a href="#">Single row deep groove ball bearings with filling slots</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>
<a href="#">Double row deep groove ball bearings</a>	<a href="#">Bearing interfaces</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Bearing data</a>	<a href="#">Seat tolerances for standard conditions</a>	<a href="#">Heater selection tool</a>
<a href="#">Loads</a>	<a href="#">Selecting internal clearance</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Temperature limits</a>	<a href="#">Lubrication</a>	
<a href="#">Permissible speed</a>	<a href="#">Sealing, mounting and dismounting</a>	
<a href="#">Designation system</a>	<a href="#">Bearing failure and how to prevent it</a>	

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