



## RMS 6

### 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

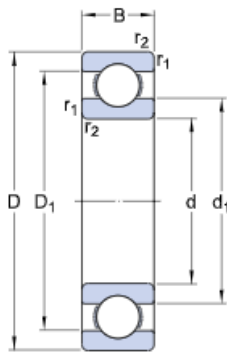
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

## Technical specification

Aftermarket only

Yes

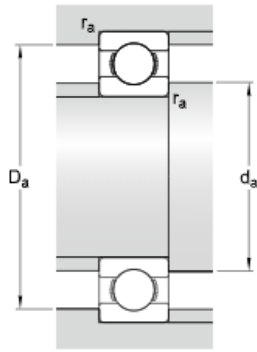


### DIMENSIONS

d	0.75 in	Bore diameter
D	2 in	Outside diameter
B	0.688 in	Width
d1	≈1.195 in	Shoulder diameter
D1	≈1.636 in	Shoulder diameter
r1,2	min.0.063 in	Chamfer dimension

### ABUTMENT DIMENSIONS

da	min.1.024 in	Diameter of shaft abutment
Da	max.1.732 in	Diameter of housing abutment
ra	max.0.059 in	Radius of shaft or housing fillet



## CALCULATION DATA

Basic dynamic load rating	$C$	3 574 lbf
Basic static load rating	$C_0$	1 754 lbf
Fatigue load limit	$P_u$	75 lbf
Reference speed		28 000 r/min
Limiting speed		19 000 r/min
Minimum load factor	$k_T$	0.03
Calculation factor	$f_0$	12

## MASS

Mass bearing	0.36 lbs
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## TOLERANCE CLASS

Dimensional tolerances	Normal
Radial run-out	Normal

More information

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

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