



63/22

## Deep groove ball bearings

## Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

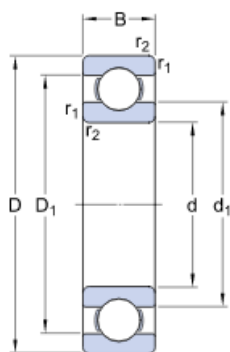
Matched bearing pairs, Stainless steel

d &lt; 10 mm, Other bearings

## Bearing interfaces

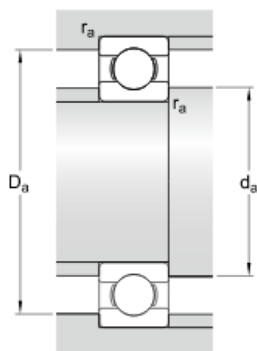
[Seat tolerances for standard conditions,](#)
[Tolerances and resultant fits](#)

## Technical specification



## DIMENSIONS

d	22 mm
D	56 mm
B	16 mm
d <sub>1</sub>	≈ 32.9 mm
D <sub>1</sub>	≈ 45.3 mm
r <sub>1,2</sub>	min. 1.1 mm



## ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 29 mm
D <sub>a</sub>	max. 47 mm
r <sub>a</sub>	max. 1 mm

## CALCULATION DATA

Basic dynamic load rating	C	18.6 kN
Basic static load rating	C <sub>0</sub>	9.3 kN
Fatigue load limit	P <sub>u</sub>	0.39 kN
Reference speed		28000 r/min
Limiting speed		18000 r/min
Calculation factor	k <sub>r</sub>	0.03
Calculation factor	f <sub>0</sub>	12.4

## MASS

Mass bearing	0.18 kg
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## 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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