



# 6000

Popular item  
SKF Explorer

## Deep groove ball bearings

### Bearing data

#### Tolerances,

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

#### Radial internal clearance,

Matched bearing pairs, Stainless steel

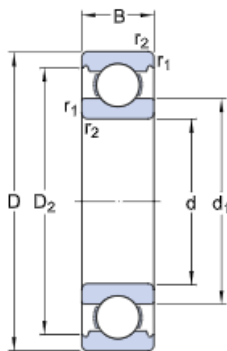
$d < 10$  mm, Other bearings

### Bearing interfaces

Seat tolerances for standard conditions,

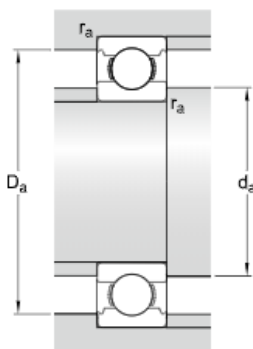
Tolerances and resultant fits

## Technical Specification



### DIMENSIONS

d	10 mm
D	26 mm
B	8 mm
$d_1$	≈ 14.8 mm
$D_2$	≈ 22.6 mm
$r_{1,2}$	min. 0.3 mm



### ABUTMENT DIMENSIONS

$d_a$	min. 12 mm
$D_a$	max. 24 mm
$r_a$	max. 0.3 mm

## CALCULATION DATA

Basic dynamic load rating	C	4.75 kN
Basic static load rating	C <sub>0</sub>	1.96 kN
Fatigue load limit	P <sub>u</sub>	0.083 kN
Reference speed		67000 r/min
Limiting speed		40000 r/min
Calculation factor minimum radial load	k <sub>r</sub>	0.025
Calculation factor	f <sub>0</sub>	12

## MASS

Mass bearing		0.019 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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