



# 22212 E

Popular item  
SKF Explorer

## Spherical roller bearings

### Bearing data

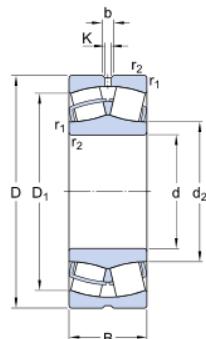
[Tolerances](#),  
Normal, P6, P5, tapered bore 1:12,  
tapered bore 1:30,  
[Radial internal clearance](#),  
cylindrical bore, tapered bore

### Bearing interfaces

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

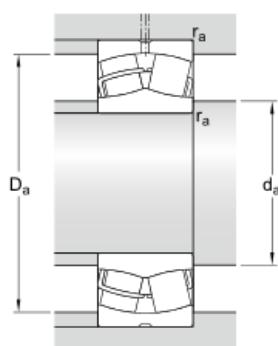
## Technical Specification

### DIMENSIONS



d	60 mm
D	110 mm
B	28 mm
d <sub>2</sub>	≈ 72.7 mm
D <sub>1</sub>	≈ 96.5 mm
b	6 mm
K	3 mm
r <sub>1,2</sub>	min. 1.5 mm

### ABUTMENT DIMENSIONS



d <sub>a</sub>	min. 69 mm
D <sub>a</sub>	max. 101 mm
r <sub>a</sub>	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	159 kN
Basic static load rating	$C_0$	166 kN
Fatigue load limit	$P_u$	18.6 kN
Reference speed		5600 r/min
Limiting speed		7500 r/min
Calculation factor	$e$	0.24
Calculation factor	$Y_1$	2.8
Calculation factor	$Y_2$	4.2
Calculation factor	$Y_0$	2.8

## MASS

Mass bearing	1.15 kg
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## More information

Product details	Engineering information	Tools
<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">SimPro Quick</a>
<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">Bearing Select</a>
<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Housing Select</a>
<a href="#">Permissible speed</a>		<a href="#">LubeSelect for SKF greases</a>
<a href="#">Design considerations</a>		<a href="#">Drive-up Method Program</a>
<a href="#">Mounting</a>		<a href="#">Heater selection tool</a>
<a href="#">Designation system</a>		<a href="#">Oil Injection Method Program</a>
		<a href="#">Rolling bearings mounting and dismounting instructions</a>
		<a href="#">Tool and Accessory Selector for sleeves and shafts</a>

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