



# BS2-2316-2RSK/VT143

SKF Explorer

## Spherical roller bearings

### Bearing data

#### Tolerances,

Normal, P6, P5, tapered bore 1:12,  
tapered bore 1:30,

#### Radial internal clearance,

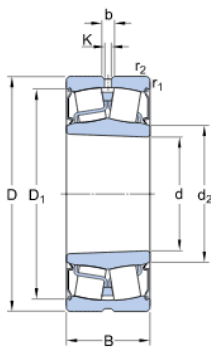
cylindrical bore, tapered bore

### Bearing interfaces

Seat tolerances for standard  
conditions,

Tolerances and resultant fit

## Technical specification

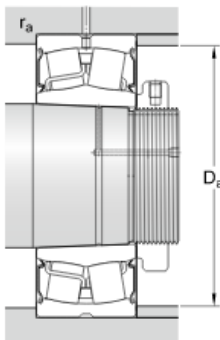


## DIMENSIONS

d	80 mm
D	170 mm
B	67 mm
d <sub>2</sub>	≈ 94.2 mm
D <sub>1</sub>	≈ 150 mm
b	8.3 mm
K	4.5 mm
r <sub>1,2</sub>	min. 2.1 mm
Tapered bore, taper 1:12	

## ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 88 mm
d <sub>a</sub>	max. 94 mm
D <sub>a</sub>	max. 158 mm
r <sub>a</sub>	max. 2 mm



## CALCULATION DATA

Basic dynamic load rating	C	516 kN
Basic static load rating	$C_0$	530 kN
Fatigue load limit	$P_u$	54 kN
Limiting speed		2000 r/min
Calculation factor	e	0.35
Calculation factor	$Y_1$	1.9
Calculation factor	$Y_2$	2.9
Calculation factor	$Y_0$	1.8

## MASS

Mass bearing	6.75 kg
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## MOUNTING INFORMATION

Recommended lock nut tightening angle	$\alpha$	130 °
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More information

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

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