



## 22216 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,

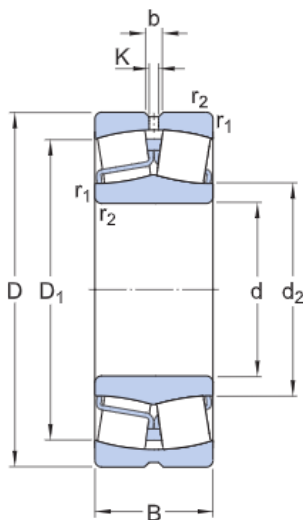
cylindrical bore, tapered bore

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fit

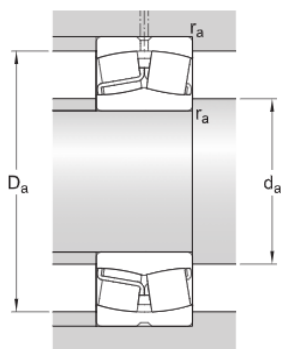
### Technical specification



#### DIMENSIONS

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
d2	≈94.7 mm	Shoulder diameter of inner ring
D1	≈124 mm	Shoulder/recess diameter of outer ring
b	6 mm	Width of lubrication groove
K	3 mm	Diameter of lubrication hole
r1,2	min.2 mm	Chamfer dimension

#### ABUTMENT DIMENSIONS



da	min.91 mm	Diameter of shaft abutment
Da	max.129 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet

## CALCULATION DATA

Basic dynamic load rating	C	243 kN
Basic static load rating	C <sub>0</sub>	270 kN
Fatigue load limit	P <sub>u</sub>	29 kN
Reference speed		4 300 r/min
Limiting speed		6 000 r/min
Limiting value	e	0.22
Axial load factor	Y <sub>1</sub>	3
Axial load factor	Y <sub>2</sub>	4.6
Axial load factor	Y <sub>0</sub>	2.8

## MASS

Mass		2.1 kg
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## More information

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