



22322 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,](#)

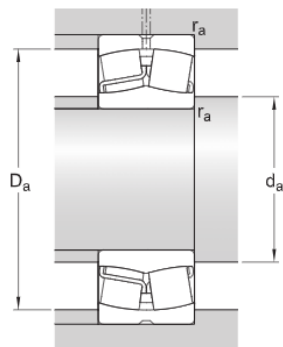
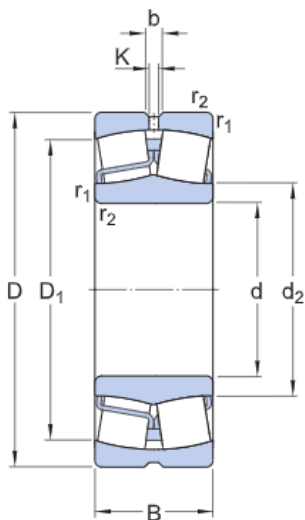
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	80 mm	Width
d ₂	≈ 143 mm	Shoulder diameter of inner ring
D ₁	≈ 204 mm	Shoulder/recess diameter of outer ring
b	13.9 mm	Width of lubrication groove
K	7.5 mm	Diameter of lubrication hole
r _{1,2}	min. 3 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _c	min. 124 mm	Diameter of shaft abutment
D _i	max. 226 mm	Diameter of housing abutment
r _a	max. 2.5 mm	Radius of fillet

CALCULATION DATA

Basic dynamic load rating	C	989 kN
Basic static load rating	C ₀	1 120 kN
Fatigue load limit	P _u	100 kN
Reference speed		2 000 r/min
Limiting speed		2 800 r/min
Limiting value	e	0.33
Axial load factor	Y ₁	2
Axial load factor	Y ₂	3
Axial load factor	Y ₀	2

MASS

Mass	18 kg
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More information

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