



22209 EK

Popular item
SKF Explorer

Spherical roller bearings

Bearing data

Tolerances,

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

Radial internal clearance,

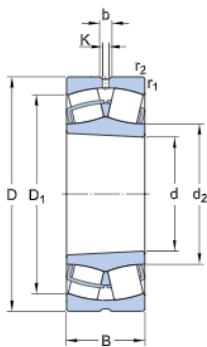
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard
conditions,

Tolerances and resultant fit

Technical specification

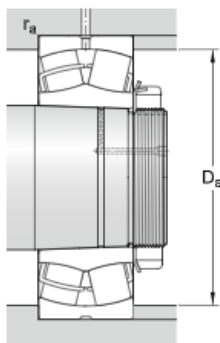


DIMENSIONS

d	45 mm
D	85 mm
B	23 mm
d ₂	≈ 54.4 mm
D ₁	≈ 74.4 mm
b	5.5 mm
K	3 mm
r _{1,2}	min. 1.1 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 78 mm
r _a	max. 1 mm



CALCULATION DATA

Basic dynamic load rating	C	104 kN
Basic static load rating	C ₀	98 kN
Fatigue load limit	P _u	10.8 kN
Reference speed		7500 r/min
Limiting speed		10000 r/min
Calculation factor	e	0.26
Calculation factor	Y ₁	2.6
Calculation factor	Y ₂	3.9
Calculation factor	Y ₀	2.5

MASS

Mass bearing	0.56 kg
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MOUNTING INFORMATION

Recommended lock nut tightening angle	α	130 °
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More information

<p>Product details</p> <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> <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> <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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