



2309 ETN9

Popular item

Self-aligning ball bearings

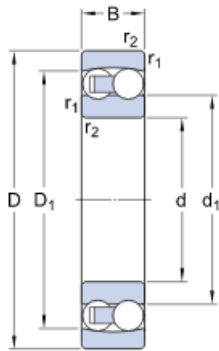
Bearing data

[Tolerances](#),
Normal, JS7,
[Radial internal clearance](#),
table

Bearing interfaceS

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

Technical specification

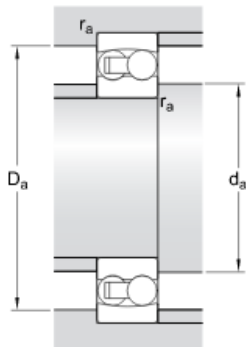


DIMENSIONS

d	45 mm
D	100 mm
B	36 mm
d ₁	≈ 60.16 mm
D ₁	≈ 86 mm
r _{1,2}	min. 1.5 mm

ABUTMENT DIMENSIONS

d _a	min. 54 mm
D _a	max. 91 mm
r _a	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	C	63.7 kN
Basic static load rating	C ₀	19.3 kN
Fatigue load limit	P _u	1 kN
Reference speed		13000 r/min
Limiting speed		9000 r/min
Permissible angular misalignment	α	3 °
Calculation factor	k _r	0.05
Calculation factor	e	0.33
Calculation factor	Y ₀	2
Calculation factor	Y ₁	1.9
Calculation factor	Y ₂	3

MASS

Mass bearing	1.25 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 interfaces</p> <hr/> <p>Seat tolerances for standard conditions</p> <hr/> <p>Selecting internal clearance</p> <hr/> <p>Lubrication</p> <hr/> <p>Sealing, mounting and dismounting</p> <hr/> <p>Bearing failure and how to prevent it</p> <hr/>	<p>Tools</p> <hr/> <p>Bearing Select</p> <hr/> <p>SimPro Quick</p> <hr/> <p>Engineering Calculator</p> <hr/> <p>LubeSelect for SKF greases</p> <hr/> <p>Heater selection tool</p> <hr/> <p>Drive-up Method Program</p> <hr/> <p>Oil Injection Method Program</p> <hr/> <p>Tool and Accessory Selector for sleeves and shafts</p> <hr/> <p>Housing Select</p> <hr/> <p>Rolling bearings mounting and dismounting instructions</p> <hr/>
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