



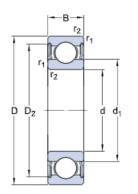
6309-2RS1

SKF Explorer

Deep groove ball bearings

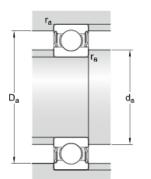
Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Radial internal clearance, Matched bearing pairs, Stainless steel d < 10 mm, Other bearings Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fits

Technical specification



DIMENSIONS

d	45 mm
D	100 mm
В	25 mm
d ₁	≈ 62.18 mm
D ₂	≈ 86.7 mm
r _{1,2}	min. 1.5 mm



ABUTMENT DIMENSIONS

d _a	min. 54 mm
d _a	max. 62.1 mm
D _a	max. 91 mm
r _a	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	С	55.3 kN
Basic static load rating	C ₀	31.5 kN
Fatigue load limit	Pu	1.34 kN
Limiting speed		4500 r/min
Calculation factor	k _r	0.03
Calculation factor	f _O	13

MASS

Mass bearing	0.86 kg
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More information

Product details	Engineering information	Tools
Single row deep groove ball bearings	Principles of rolling bearing selection	Bearing Select
Stainless steel deep groove	General bearing knowledge	SimPro Quick
ball bearings	Bearing selection process	Engineering Calculator
Single row deep groove ball bearings with filling slots		LubeSelect for SKF greases
Double row deep groove	Bearing interfaces	Heater selection tool
ball bearings	Seat tolerances for standard conditions	Rolling bearings mounting
Bearing data	Selecting internal clearance	and dismounting
Loads	Lubrication	instructions
Temperature limits	Sealing, mounting and	
Permissible speed	dismounting	
Designation system	Bearing failure and how to prevent it	



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