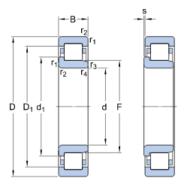


## Technical specification



# NJ 2209 ECJ

Popular item SKF Explorer Cylindrical roller bearings, single row

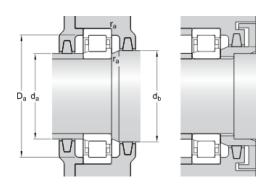
Bearing data Tolerances, Normal (metric), P6, Normal (inch), Radial internal clearance, cylindrical bore, tapered bore, Axial internal clearance, NUP, NJ + HJ Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

### DIMENSIONS

d	45 mm
D	85 mm
В	23 mm
d <sub>1</sub>	≈ 59 mm
D <sub>1</sub>	≈ 72.47 mm
F	54.5 mm
r <sub>1,2</sub>	min. 1.1 mm
r <sub>3,4</sub>	min. 1.1 mm
S	max. 1.7 mm



d <sub>a</sub>	min. 52 mm
d <sub>a</sub>	max. 53 mm
d <sub>b</sub>	min. 61 mm
D <sub>a</sub>	max. 77.6 mm
r <sub>a</sub>	max. 1 mm



d

## CALCULATION DATA

Basic dynamic load rating	С	85 kN
Basic static load rating	C <sub>0</sub>	81.5 kN
Fatigue load limit	P <sub>u</sub>	10.6 kN
Reference speed		9000 r/min
Limiting speed		9500 r/min
Calculation factor	k <sub>r</sub>	0.2
Limiting value	е	0.3
Axial load factor	Y	0.4

## MASS

Mass bearing	0.56 kg
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## More information

Product details	Product details	Engineering in	n forn Eanlaigionneering ir	nformTætøken	Tools		
Designs and variants	Designs and variants	Principles of rolling	Principles of rolling	SimPro Quick	SimPro Quick		
Bearing data	Bearing data	bearing selection General bearing k nowledge Bearing selection process Bearing failure and how to prevent it	bearing selection General bearing k nowledge Bearing selection	bearing bearing bearing bearing bearing bearing bearing selection General General bearing k bearing nowledge nowledg Bearing Bearing selection selection	bearing -selection General	Bearing Select Engineer	Bearing Select Engineer
Loads	Loads Tempera				bearing k nowledge	ing Calcul ator	ing Calcul ator
ture	ture				Bearing selection process	LubeSele ct for SKF greases	LubeSele ct for SKF greases
Permissi ble speed	Permissi ble speed		Bearing Bearing ailure failure and how and how o to	Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i	Heater selection		
Design c onsiderati ons Designati on system	Design c onsiderati ons Designati on system				tool Oil Injection Method Program Rolling bearings mounting and dism ounting i		
				<u>nstruc</u> tio ns	<u>nstruc</u> tio		



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