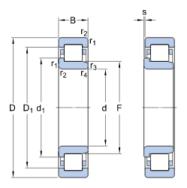


Technical specification



NJ 209 ECML

Cylindrical roller bearings, single row

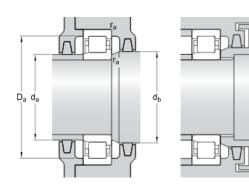
Bearing data Tolerances, Normal (metric), P6, Normal (inch), Radial internal clearance, cylindrical bore, tapered bore, Axial internal clearance, NUP, NJ + HJ Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

d	45 mm
D	85 mm
В	19 mm
d ₁	≈ 59 mm
D ₁	≈ 72.95 mm
F	54.5 mm
r _{1,2}	min. 1.1 mm
r _{3,4}	min. 1.1 mm
S	max. 1.2 mm

ABUTMENT DIMENSIONS

d _a	min. 52 mm
d _a	max. 53 mm
d _b	min. 61 mm
D _a	max. 77.6 mm
r _a	max. 1 mm



d



CALCULATION DATA

Basic dynamic load rating	С	69.5 kN
Basic static load rating	C ₀	64 kN
Fatigue load limit	Pu	8.15 kN
Reference speed		9000 r/min
Limiting speed		15000 r/min
Calculation factor	k _r	0.23
Limiting value	е	0.2
Axial load factor	Υ	0.6

MASS

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ASSOCIATED PRODUCTS

Angle ring	HJ 209 EC
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More information

Product details	Product details	Engineering in	n forn Eanlaigianneering ir	nformTætøken	Tools
Designs and variants	Designs and variants	Principles of rolling	Principles of rolling	SimPro Quick	SimPro Quick
Bearing data	Bearing data	bearing bearin selection selection General Gener bearing k bearin nowledge nowled ra Bearing Bearin selection selection process proces si Bearing Bearin failure failure and how and ho c to to to ati prevent it preven	bearing -selection General	bearing Bearing selection Select General Engineer bearing k Engineer	Bearing Select Engineer
Loads	Loads Tempera		bearing k nowledge		ing Calcul ator
ture	ture limits Permissi ble speed fi Design c tonsiderati ons		Bearing selection process Bearing failure and how to prevent it	LubeSele ct for SKF greases	LubeSele ct for SKF greases
Permissi ble speed				Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i	Heater selection
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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