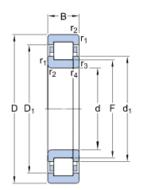


## Technical specification



# NUP 319 ECML

Cylindrical roller bearings, single row

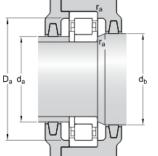
Bearing data Tolerances, Normal (metric), P6, Normal (inch), Radial internal clearance, cylindrical bore, tapered bore, Axial internal clearance, NUP, NJ + HJ Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

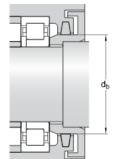
#### DIMENSIONS

d	95 mm
D	200 mm
В	45 mm
d <sub>1</sub>	≈ 132 mm
D <sub>1</sub>	≈ 169.1 mm
F	121.5 mm
r <sub>1,2</sub>	min. 3 mm
r <sub>3,4</sub>	min. 3 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 110 mm
d <sub>b</sub>	min. 135 mm
D <sub>a</sub>	max. 185 mm
r <sub>a</sub>	max. 2.5 mm





### CALCULATION DATA

Basic dynamic load rating	С	390 kN
Basic static load rating	C <sub>0</sub>	390 kN
Fatigue load limit	P <sub>u</sub>	46.5 kN
Reference speed		3600 r/min
Limiting speed		6300 r/min
Calculation factor	k <sub>r</sub>	0.23
Limiting value	е	0.2
Axial load factor	Y	0.6

## MASS

Mass bearing	7.52 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	aring bearing selection General bearing a selection General bearing k nowledge mpera Bearing selection process missi speed failure and how sign c to derati prevent it signati	bearingbearing-selection-selectionGeneralGeneralbearing kbearing knowledgenowledgeBearingBearingselectionselection	bearing -selection General bearing k	bearing bearing -selection -selection General General bearing k bearing k	bearing -selection General	bearing Bearing Selection Select General Engineer	Bearing Select Engineer
Loads	Loads Tempera					Engineer ing Calcul ator	ing Calcul ator	
ture	ture				LubeSele ct for SKF greases	LubeSele ct for SKF greases		
Permissi ble speed	Permissi ble speed		BearingBearingfailurefailureand howand howtoto	Heater selection	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	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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