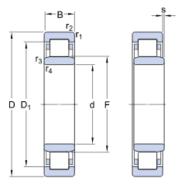
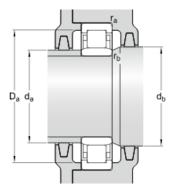
# SKF.



# Technical specification





# NU 314 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	70 mm
D	150 mm
В	35 mm
$D_1$	≈ 125.6 mm
F	89 mm
r <sub>1,2</sub>	min. 2.1 mm
r <sub>3,4</sub>	min. 2.1 mm
S	max. 1.8 mm

## ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 82 mm
d <sub>a</sub>	max. 86 mm
d <sub>b</sub>	min. 92 mm
D <sub>a</sub>	max. 137.5 mm
r <sub>a</sub>	max. 2 mm
r <sub>b</sub>	max. 2 mm



### CALCULATION DATA

Basic dynamic load rating	С	236 kN
Basic static load rating	C <sub>0</sub>	228 kN
Fatigue load limit	Pu	29 kN
Reference speed		4800 r/min
Limiting speed		5600 r/min
Calculation factor	k <sub>r</sub>	0.15
Limiting value	е	0.2
Axial load factor	Υ	0.6

#### MASS

Mass bearing 2.71 kg
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## ASSOCIATED PRODUCTS

Angle ring	HJ 314 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 bearing -selection -selection General General bearing k bearing k nowledge nowledge Bearing Bearing selection selection process process	bearing -selection General	Bearing Select Engineer	Bearing Select Engineer
Loads	Loads Tempera			ing Calcul ator	ing Calcul ator
ture	ture Bea limits sele Permissi Bea ble speed failu		LubeSele ct for SKF greases	LubeSele ct for SKF greases	
Permissi ble speed		Bearing failure	Bearing failure	Heater selection	Heater selection
Design c onsiderati ons Designati on system	Design c onsiderati ons Designati on system	and how to prevent it	to	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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