



NU 317 ECM

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,

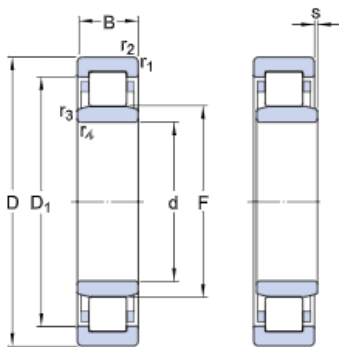
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical Specification

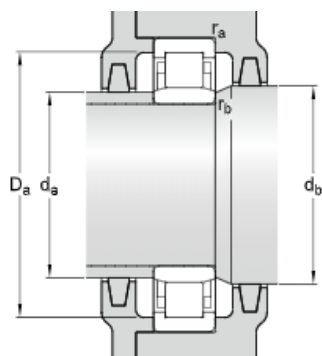


DIMENSIONS

d	85 mm
D	180 mm
B	41 mm
D ₁	≈ 151.4 mm
F	108 mm
r _{1,2}	min. 3 mm
r _{3,4}	min. 3 mm
s	max. 2.3 mm

ABUTMENT DIMENSIONS

d _a	min. 99 mm
d _a	max. 105 mm
d _b	min. 111 mm
D _a	max. 165.5 mm
r _a	max. 2.5 mm
r _b	max. 2.5 mm



CALCULATION DATA

Basic dynamic load rating	C	340 kN
Basic static load rating	C ₀	335 kN
Fatigue load limit	P _u	41.5 kN
Reference speed		4000 r/min
Limiting speed		4800 r/min
Calculation factor minimum radial load	k _r	0.15
Calculating load: Limiting value	e	0.2
Calculating load: Calculation factor	Y	0.6

MASS

Mass bearing	5.38 kg
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ASSOCIATED PRODUCTS

Designation appropriate angle ring	HJ 317 EC
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater selection tool
Design considerations		Oil Injection Method Program
Designation system		Rolling bearings mounting and dismounting instructions

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