



NU 303 ECP

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,](#)

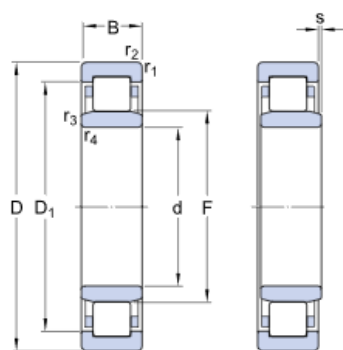
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

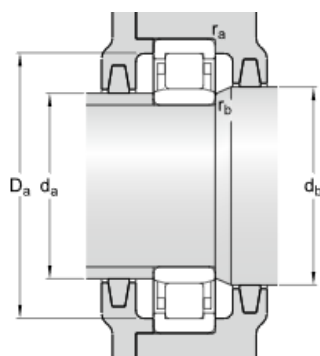


DIMENSIONS

d	17 mm
D	47 mm
B	14 mm
D ₁	≈ 36.75 mm
F	24.2 mm
r _{1,2}	min. 1 mm
r _{3,4}	min. 0.6 mm
s	max. 1 mm

ABUTMENT DIMENSIONS

d _a	min. 21.1 mm
d _a	max. 23.1 mm
d _b	min. 26 mm
D _a	max. 41.7 mm
r _a	max. 1 mm
r _b	max. 0.6 mm



CALCULATION DATA

Basic dynamic load rating	C	28.5 kN
Basic static load rating	C ₀	20.4 kN
Fatigue load limit	P _u	2.55 kN
Reference speed		17000 r/min
Limiting speed		20000 r/min
Calculation factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	0.12 kg
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More information

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