



## NJ 2009 ECP

### Cylindrical roller bearings, single row

#### Bearing data

##### Tolerances,

Normal (metric), P6, Normal (inch),

##### Radial internal clearance,

cylindrical bore, tapered bore,

##### Axial internal clearance,

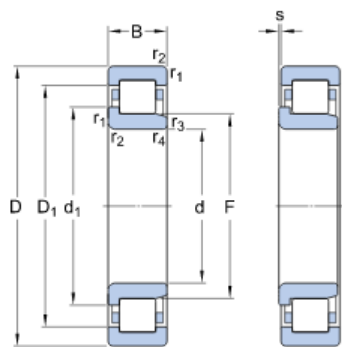
NUP, NJ + HJ

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fit

### Technical specification

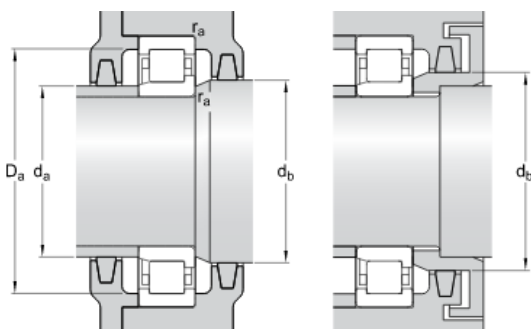


### DIMENSIONS

d	45 mm
D	75 mm
B	19 mm
d <sub>1</sub>	≈ 56 mm
D <sub>1</sub>	≈ 65.5 mm
F	52.5 mm
r <sub>1,2</sub>	min. 1 mm
r <sub>3,4</sub>	min. 0.6 mm
s	max. 0.7 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 57 mm
d <sub>a</sub>	max. 51 mm
d <sub>b</sub>	min. 57.5 mm
D <sub>a</sub>	max. 69.8 mm
r <sub>a</sub>	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	52.8 kN
Basic static load rating	C <sub>0</sub>	64 kN
Fatigue load limit	P <sub>u</sub>	7.8 kN
Reference speed		9000 r/min
Limiting speed		11000 r/min
Calculation factor	k <sub>r</sub>	0.13
Limiting value	e	0.3
Axial load factor	Y	0.4

## MASS

Mass bearing		0.3 kg
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More information

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

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