



# NU 2317 ECJ Cylindrical roller bearings, single row

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

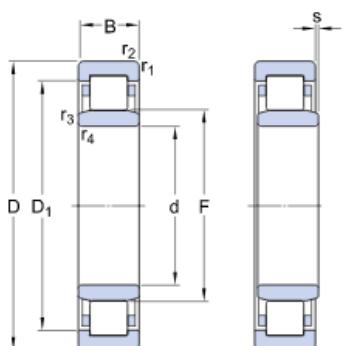
### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fit

## Technical specification

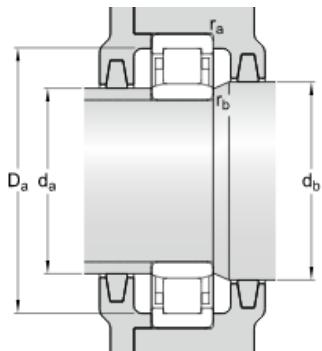
### DIMENSIONS



d	85 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
D1	≈ 151.45 mm	Shoulder diameter of outer ring
F	108 mm	Chamfer dimension of loose flange ring
r <sub>1,2</sub>	min. 3 mm	Chamfer dimension
r <sub>3,4</sub>	min. 3 mm	Chamfer dimension
s	max. 5.8 mm	Permissible axial displacement

### ABUTMENT DIMENSIONS

da	min. 99 mm	Diameter of spacer sleeve
da	max. 105 mm	Diameter of spacer sleeve
db	min. 111 mm	Diameter of shaft abutment
	max. 165.5	Diameter of



Da	mm	housing abutment
ra	max. 2.5 mm	Radius of fillet
rb	max. 2.5 mm	Radius of fillet

## CALCULATION DATA

C	455 kN	Basic dynamic load rating
C <sub>0</sub>	490 kN	Basic static load rating
P <sub>u</sub>	60 kN	Fatigue load limit
	4 000 r/min	Reference speed
	4 800 r/min	Limiting speed
k <sub>r</sub>	0.25	Minimum load factor
e	0.3	Limiting value
Y	0.4	Axial load factor

## MASS

6.82 kg	Mass
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## ASSOCIATED PRODUCTS

HJ 2317 EC	Angle ring
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## More information

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

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