

N 224 ECP 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,](#)

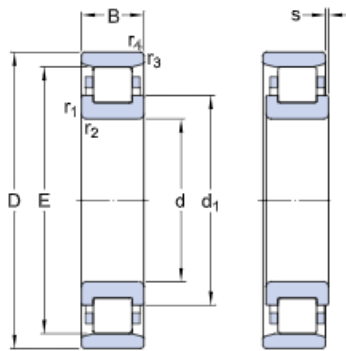
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

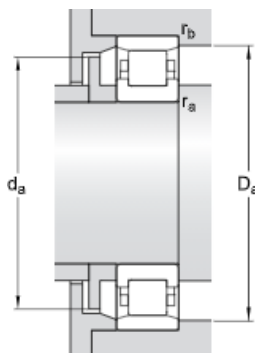


DIMENSIONS

d	120 mm
D	215 mm
B	40 mm
d ₁	≈ 153 mm
E	195.5 mm
r _{1,2}	min. 2.1 mm
r _{3,4}	min. 2.1 mm
s	max. 1.9 mm

ABUTMENT DIMENSIONS

d _a	min. 132 mm
d _a	max. 192 mm
D _a	min. 199 mm
D _a	max. 203 mm
r _a	max. 2 mm
r _b	max. 2 mm



CALCULATION DATA

Basic dynamic load rating	C	390 kN
Basic static load rating	C ₀	430 kN
Fatigue load limit	P _u	49 kN
Reference speed		3 400 r/min
Limiting speed		3 600 r/min
Calculation factor	k _r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	5.73 kg
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More information

<p>Product details</p> <ul style="list-style-type: none"> Designs and variants <hr/> Bearing data <hr/> Loads <hr/> Temperature limits <hr/> Permissible speed <hr/> Design considerations <hr/> Designation system <hr/> 	<p>Engineering information</p> <ul style="list-style-type: none"> Principles of rolling bearing selection <hr/> General bearing knowledge <hr/> Bearing selection process <hr/> Bearing failure and how to prevent it <hr/> 	<p>Tools</p> <ul style="list-style-type: none"> SimPro Quick <hr/> Bearing Select <hr/> Engineering Calculator <hr/> LubeSelect for SKF greases <hr/> Heater selection tool <hr/> Oil Injection Method Program <hr/> Rolling bearings mounting and dismounting instructions <hr/>
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