

N 224 ECM

Popular item
SKF Explorer

Cylindrical roller bearings, single row

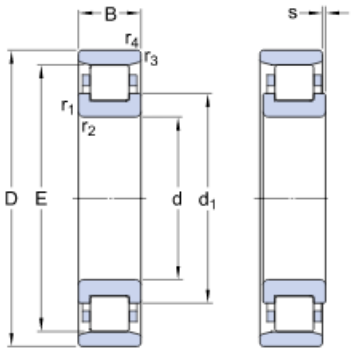
Bearing data

Tolerances,
Normal (metric), P6, Normal (inch),
Radial internal clearance,
cylindrical bore, tapered bore,
Axial internal clearance,
NUP, NJ + HJ

Bearing interfaces

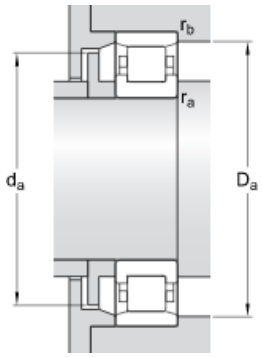
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	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		3400 r/min
Limiting speed		3600 r/min
Calculation factor	k_r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	6.51 kg

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- SimPro Quick
- Bearing Select
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool
- Oil Injection Method Program
- Rolling bearings mounting and dismounting instructions

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