

N 320 ECM

Popular item
SKF Explorer

Cylindrical roller bearings, single row

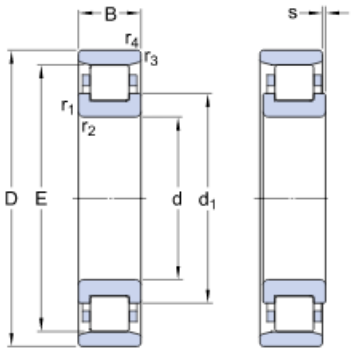
Bearing data

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

Bearing interfaces

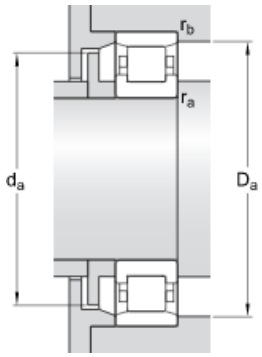
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	100 mm
D	215 mm
B	47 mm
d_1	≈ 139 mm
E	191.5 mm
$r_{1,2}$	min. 3 mm
$r_{3,4}$	min. 3 mm
s	max. 2.9 mm



ABUTMENT DIMENSIONS

d_a	min. 114 mm
d_a	max. 188 mm
D_a	min. 195 mm
D_a	max. 200 mm
r_a	max. 2.5 mm
r_b	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	C	450 kN
Basic static load rating	C_0	440 kN
Fatigue load limit	P_u	51 kN
Reference speed		3200 r/min
Limiting speed		3800 r/min
Calculation factor	k_r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	8.55 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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