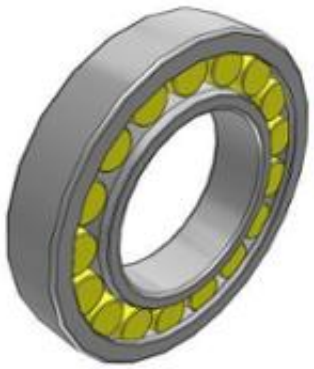


NU 220 ECML

SKF Explorer

Cylindrical roller bearings, single row

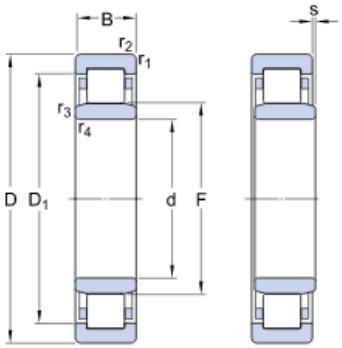
Bearing data

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

Bearing interfaces

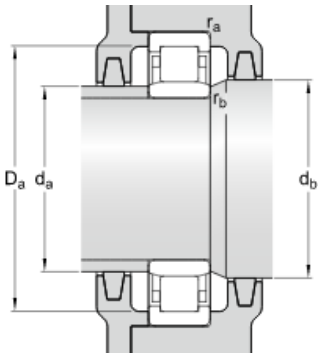
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	100 mm
D	180 mm
B	34 mm
D_1	≈ 156.4 mm
F	119 mm
$r_{1,2}$	min. 2.1 mm
$r_{3,4}$	min. 2.1 mm
s	max. 1.7 mm



ABUTMENT DIMENSIONS

d_a	min. 113 mm
d_a	max. 116 mm
d_b	min. 122 mm
D_a	max. 167.5 mm
r_a	max. 2 mm
r_b	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	285 kN
Basic static load rating	C_0	305 kN
Fatigue load limit	P_u	36.5 kN
Reference speed		4000 r/min
Limiting speed		6700 r/min
Calculation factor	k_r	0.23
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	3.85 kg

ASSOCIATED PRODUCTS

Angle ring	HJ 220 EC

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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