



NU 205 ECP

- 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,](#)

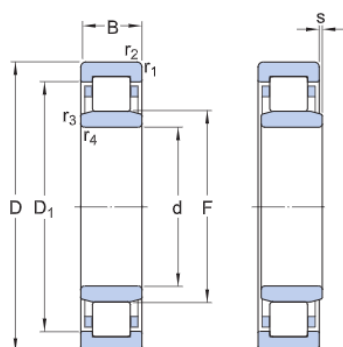
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

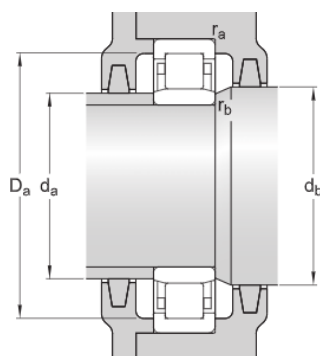


DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
D ₁	≈ 43.3 mm	Shoulder diameter of outer ring
F	31.5 mm	Chamfer dimension of loose flange ring
r _{1,2}	min. 1 mm	Chamfer dimension
r _{3,4}	min. 0.6 mm	Chamfer dimension
s	max. 1.3 mm	Permissible axial displacement

ABUTMENT DIMENSIONS

d _c	min. 28.9 mm	Diameter of spacer sleeve
d _c	max. 30.4 mm	Diameter of spacer sleeve
d _f	min. 33 mm	Diameter of shaft abutment
D _f	max. 46.4 mm	Diameter of housing abutment
r _a	max. 1 mm	Radius of fillet
r _b	max. 0.6 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	32.5 kN
Basic static load rating	C ₀	27 kN
Fatigue load limit	P _u	3.35 kN
Reference speed		15 000 r/min
Limiting speed		16 000 r/min
Minimum load factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass	0.13 kg
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ASSOCIATED PRODUCTS

Angle ring	HJ 205 EC
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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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