



N 303 ECP

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,](#)

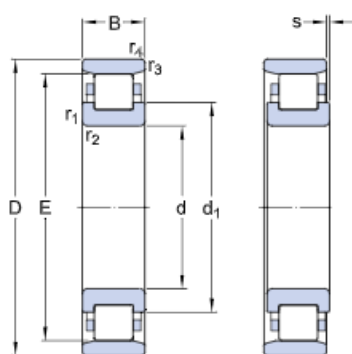
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

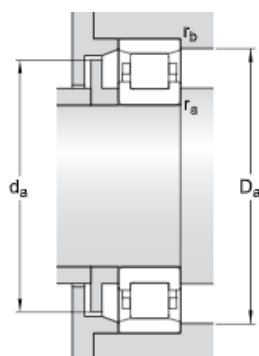


DIMENSIONS

d	17 mm
D	47 mm
B	14 mm
d ₁	≈ 27.7 mm
E	40.2 mm
r _{1,2}	min. 1 mm
r _{3,4}	min. 0.6 mm
s	max. 1 mm

ABUTMENT DIMENSIONS

d _a	min. 22.1 mm
d _a	max. 38 mm
D _a	min. 42 mm
D _a	max. 42.7 mm
r _a	max. 1 mm
r _b	max. 0.6 mm



CALCULATION DATA

Basic dynamic load rating	C	28.5 kN
Basic static load rating	C ₀	20.4 kN
Fatigue load limit	P _u	2.55 kN
Reference speed		17 000 r/min
Limiting speed		20 000 r/min
Calculation factor	k _r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	0.12 kg
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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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