

# NJ 205 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,

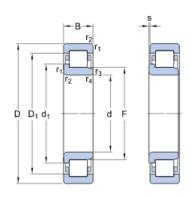
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

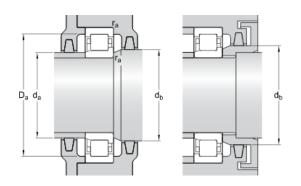


### **DIMENSIONS**

d	25 mm
D	52 mm
В	15 mm
$d_1$	≈ 34.7 mm
$D_1$	≈ 43.8 mm
F	31.5 mm
r <sub>1,2</sub>	min. 1 mm
r <sub>3,4</sub>	min. 0.6 mm
S	max. 1.3 mm

### ABUTMENT DIMENSIONS







### CALCULATION DATA

Basic dynamic load rating	С	32.5 kN
Basic static load rating	$C_0$	27 kN
Fatigue load limit	$P_{u}$	3.35 kN
Reference speed		15000 r/min
Limiting speed		26000 r/min
Calculation factor	k <sub>r</sub>	0.23
Limiting value	е	0.2
Axial load factor	Υ	0.6

### MASS

Mass bearing	9	0.15 kg
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## More information

Product details	Product details	Engineering in	rornmangomeering ir		10015
Designs and variants Bearing data Loads Tempera ture	Designs and variants Bearing data Loads Tempera ture	Principles of rolling bearing selection General bearing k nowledge Bearing	Frinciples of rolling bearing -selection General bearing k nowledge	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele
Design c onsiderati ons Designati on system	Design c onsiderati ons Designati on system	selection process  Bearing failure and how to prevent it	selection process  Bearing failure and how to  selection process  Bearing failure and how to	ct for SKF greases  Heater selection tool  Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio ns	ct for SKF greases  Heater selection tool  Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio ns

5KF.



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