NJ 2216 ECML

SKF Explorer

Cylindrical roller bearings, single row

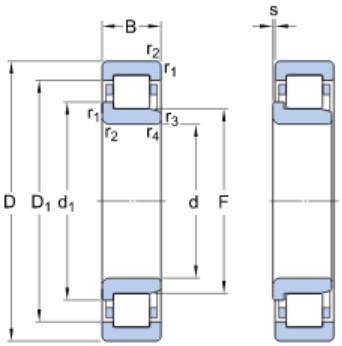
Bearing data

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

Bearing interfaces

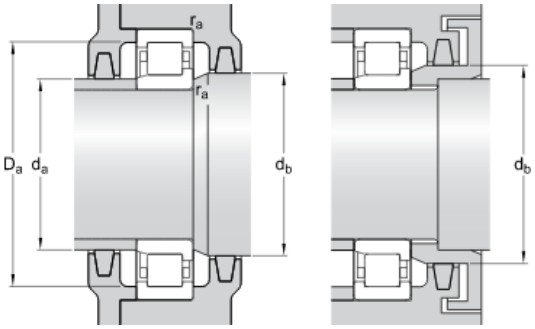
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	80 mm
D	140 mm
B	33 mm
d_1	≈ 101 mm
D_1	≈ 122.4 mm
F	95.3 mm
$r_{1,2}$	min. 2 mm
$r_{3,4}$	min. 2 mm
s	max. 1.4 mm



ABUTMENT DIMENSIONS

d_a	min. 90 mm
d_a	max. 93 mm
d_b	min. 104 mm
D_a	max. 129.8 mm
r_a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	212 kN
Basic static load rating	C_0	245 kN
Fatigue load limit	P_u	31 kN
Reference speed		5300 r/min
Limiting speed		8500 r/min
Calculation factor	k_r	0.3
Limiting value	e	0.3
Axial load factor	Y	0.4

MASS

Mass bearing	2.2 kg

ASSOCIATED PRODUCTS

Angle ring	HJ 216 EC

More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
Designs and variants	Designs and variants	Principles of rolling bearing selection	Principles of rolling bearing selection	SimPro Quick	SimPro Quick
Bearing data	Bearing data	General bearing knowledge	General bearing knowledge	Bearing Select	Bearing Select
Loads	Loads	Bearing selection process	Bearing selection process	Engineering Calculator	Engineering Calculator
Temperature limits	Temperature limits	Bearing failure and how to prevent it	Bearing failure and how to prevent it	LubeSelect for SKF greases	LubeSelect for SKF greases
Permissible speed	Permissible speed			Heater selection tool	Heater selection tool
Design considerations	Design considerations			Oil Injection Method Program	Oil Injection Method Program
Designation system	Designation system			Rolling bearings mounting and dismounting instructions	Rolling bearings mounting and dismounting instructions

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