

# NU 2224 ECNML

- 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,](#)

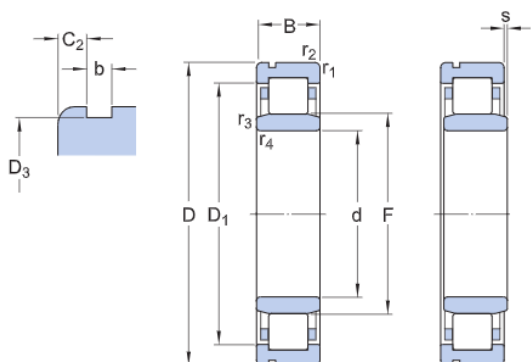
NUP, NJ + HJ

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

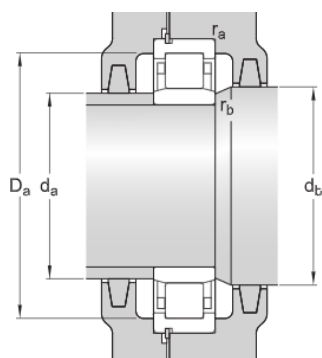


## DIMENSIONS

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	58 mm	Width
D1	≈187.75 mm	Shoulder diameter of outer ring
D <sub>3</sub>	208.6 mm	Diameter of snap ring groove
F	143.5 mm	Chamfer dimension of loose flange ring
C <sub>2</sub>	5.69 mm	Distance from outer ring side face to snap ring groove
b	3.5 mm	Width of snap ring groove
r <sub>1,2</sub>	min.2.1 mm	Chamfer dimension
r <sub>3,4</sub>	min.2.1 mm	Chamfer dimension
s	max.3.8 mm	Permissible axial displacement

## ABUTMENT DIMENSIONS

min.132	Diameter of
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$d_a$	mm	spacer sleeve
$d_a$	max.140 mm	Diameter of spacer sleeve
$d_b$	min.146 mm	Diameter of shaft abutment
$D_a$	max.201.6 mm	Diameter of housing abutment
$r_a$	max.2 mm	Radius of fillet
$r_b$	max.2 mm	Radius of fillet

## CALCULATION DATA

Basic dynamic load rating	C	520 kN
Basic static load rating	$C_0$	630 kN
Fatigue load limit	$P_u$	72 kN
Reference speed		3 400 r/min
Limiting speed		5 600 r/min
Minimum load factor	$k_r$	0.3
Limiting value	e	0.3
Axial load factor	Y	0.4

## MASS

Mass	9.11 kg
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## ASSOCIATED PRODUCTS

Angle ring	HJ 2224 EC
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