



Bearing No. NJ 2304 ECP

F	27.5 mm
s	1.9 mm
d	20 mm
D	52 mm
B	21 mm
Noun	Bearing
Bore	0.787 Inch 20 Millimeter
Width	0.827 Inch 21 Millimeter
s max.	1.9 mm
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NJ23
flanges:	(2) Outer Ring, (1) Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Separable	Inner Ring - One Side
Size (mm)	52x20x21
Inventory	0.0
Snap Ring	No
Width (mm)	21
bore type:	Straight
Bore Profile	Straight
Mass bearing	0.22 kg
Weight / LBS	0.496
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	18000 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	41.85 mm
d ₁	31.2 mm
bore diameter:	20 mm
overall width:	21 mm
cage material:	Polyamide
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
fillet radius:	1 mm
Relubricatable	Yes
Bearing number	NJ 2304 ECP
Limiting speed	18000 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Reference speed	15000 r/min
Outside Diameter	2.047 Inch 52 Millimeter
ring separation:	Separable Ring
Long Description	20MM Bore; Straight Bore Profile; 52MM Outside Diameter; 21MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable;

	C0-Medium Inter
Limiting value e	0.3
Manufacturer URL	http://www.skf.com
bearing material:	Steel
outside diameter:	52 mm
precision rating:	RBEC 1 (ISO Class Normal)
outer ring width:	21 mm
Weight / Kilogram	0.225
Manufacturer Name	SKF
d_a max.	26.2 mm
d_b min.	33 mm
D_a max.	45.4 mm
d_a min.	26.1 mm
Bore Diameter (mm)	52
r_a max.	1 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	20
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	26.1 mm
D_a - max.	45.4 mm
Minimum Buy Quantity	N/A
r_a - max.	1 mm
d_a - max.	26.2 mm
d_b - min.	33 mm
static load capacity:	38 kN
d_1 ?	31.2 mm
D_1 ?	41.85 mm
$r_{3,4}$ - min.	1.1 mm
Harmonized Tariff Code	8482.50.00.00

r _{1,2} - min.	1.1 mm
dynamic load capacity:	47.5 kN
Manufacturer Item Number	NJ 2304 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	47.5 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	47.5 kN
Fatigue load limit P _u	4.8 kN
Calculation factor k _r	0.25
Fatigue load limit - P _u	4.8 kN
Calculation factor - k _r	0.25
Basic static load rating C ₀	38 kN
Basic static load rating - C ₀	38 kN