



Bearing No. NUP 2304 ECP

B	21 mm
F	27.5 mm
d	20 mm
D	52 mm
Noun	Bearing
Bore	0.787 Inch 20 Millimeter
Width	0.827 Inch 21 Millimeter
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NUP23
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	52x20x21
Snap Ring	No
Separable	No
Inventory	0.0
Width (mm)	21
bore type:	Straight
maximum rpm:	18000 RPM
Weight / LBS	0.507
Bore Profile	Straight
Mass bearing	0.22 kg
D ₁	41.85 mm
Product Group	B04144
d ₁	31.2 mm

Cage Material	Polymer
Inch - Metric	Metric
closure type:	Open
Bearing number	NUP 2304 ECP
cage material:	Polyamide
Limiting speed	18000 r/min
overall width:	21 mm
Other Features	High Capacity 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Relubricatable	Yes
bore diameter:	20 mm
fillet radius:	1 mm
finish/coating:	Uncoated
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
Reference speed	15000 r/min
number of rows:	1
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; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret
Manufacturer URL	http://www.skf.com
Limiting value e	0.3
bearing material:	Steel

outer ring width:	21 mm
outside diameter:	52 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	0.23
Bore Diameter (mm)	52
r _a max.	1 mm
d _a min.	26.1 mm
d _b min.	33 mm
D _a max.	45.4 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	20
internal clearance:	C0
Axial load factor Y	0.4
r _a - max.	1 mm
D _a - max.	45.4 mm
d _b - min.	33 mm
d _a - min.	26.1 mm
r _{3,4} min.	0.6 mm
r _{1,2} min.	1.1 mm
Minimum Buy Quantity	N/A
d ₁ ?	31.2 mm
static load capacity:	38 kN
D ₁ ?	41.85 mm
r _{1,2} - min.	1.1 mm
dynamic load capacity:	47.5 kN
r _{3,4} - min.	0.6 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 2304 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load	47.5 kN

rating C	
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_f	0.25
Fatigue load limit - P_u	4.8 kN
Calculation factor - k_f	0.25
Basic static load rating C_0	38 kN
Basic static load rating - C_0	38 kN