



**Bearing No. NUP 320 ECJ**

F	127.5 mm
D	215 mm
B	47 mm
d	100 mm
Noun	Bearing
Bore	3.937 Inch   100 Millimeter
Width	1.85 Inch   47 Millimeter
UNSPSC	31171547
series:	NUP3
Profile	Complete with Outer and Inner Ring
Retainer	Yes
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Separable	No
Size (mm)	215x100x47
Inventory	0.0
Snap Ring	No
Width (mm)	47
bore type:	Straight
Bore Profile	Straight
Mass bearing	8.1 kg
Weight / LBS	17.366
maximum rpm:	3800 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open
Product Group	B04144

D <sub>1</sub>	181.1 mm
Cage Material	Steel
Inch - Metric	Metric
d <sub>1</sub>	139 mm
overall width:	47 mm
cage material:	Steel
Other Features	High Capacity   1 Rib Inner Ring with Side Plate   2 Rib Outer Ring   Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	2.5 mm
bore diameter:	100 mm
Bearing number	NUP 320 ECJ
Limiting speed	3800 r/min
finish/coating:	Uncoated
Reference speed	3200 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1   ISO P0
ring separation:	Separable Ring
Long Description	100MM Bore; Straight Bore Profile; 215MM Outside Diameter; 47MM Width; Steel Cage Matetrial; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret
Limiting value e	0.2
Outside Diameter	8.465 Inch   215 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>

Manufacturer Name	SKF
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	215 mm
outer ring width:	47 mm
bearing material:	Steel
Weight / Kilogram	7.884
$d_b$ min.	142 mm
$D_a$ max.	199.6 mm
$d_a$ min.	114 mm
Bore Diameter (mm)	215
$r_a$ max.	2.5 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.6
internal clearance:	C0
Outer Diameter (mm)	100
$d_a$ - min.	114 mm
$D_a$ - max.	199.6 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	2.5 mm
$r_{3,4}$ min.	3 mm
$r_{1,2}$ min.	3 mm
$d_b$ - min.	142 mm
$d_1$ ?	139 mm
$D_1$ ?	181.25 mm
static load capacity:	440 kN
dynamic load capacity:	450 kN
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	3 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 320 ECJ
Number of Rows of	Single Row

Rollers	
Basic dynamic load rating C	450 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	450 kN
Fatigue load limit $P_u$	51 kN
Calculation factor $k_r$	0.15
Fatigue load limit - $P_u$	51 kN
Calculation factor - $k_r$	0.15
Basic static load rating $C_0$	440 kN
Basic static load rating - $C_0$	440 kN