



# NTN BEARING MFG.CORP



NU 320 ECM Bearing 2D drawings and 3D CAD models

## 100 mm x 215 mm x 47 mm SKF NU 320 ECM Cylindrical Roller Bearings

Bearing No. NU 320 ECM

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	8.607
EAN	7316576625916
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Long Description	100MM Bore; Straight Bore Profile; 215MM Outside Diameter; 47MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row;



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	Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 320 ECM
Weight / LBS	18.958
D	8.465 Inch   215 Millimeter
d	3.937 Inch   100 Millimeter
B	1.85 Inch   47 Millimeter
bore diameter:	100 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	215 mm
maximum rpm:	3800 RPM
overall width:	47 mm
bearing material:	Steel
flanges:	(2) Outer Ring
cage material:	Brass
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	47 mm
operating temperature	Maximum of +300 ° F



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range:	
fillet radius:	2.5 mm
dynamic load capacity:	450 kN
series:	NU3
static load capacity:	440 kN
d	100 mm
D	215 mm
B	47 mm
D <sub>1</sub>	181.25 mm
F	127.5 mm
r <sub>1,2</sub> min.	3 mm
r <sub>3,4</sub> min.	3 mm
s max.	2.9 mm
d <sub>a</sub> min.	114 mm
d <sub>a</sub> max.	124 mm
d <sub>b</sub> min.	131 mm
D <sub>a</sub> max.	199.6 mm
r <sub>a</sub> max.	2.5 mm
r <sub>b</sub> max.	2.5 mm
Basic dynamic load rating C	450 kN
Basic static load rating C <sub>0</sub>	440 kN
Fatigue load limit P <sub>u</sub>	51 kN
Reference speed	3200 r/min
Limiting speed	3800 r/min
Calculation factor k <sub>r</sub>	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	8.59 kg