



Bearing No. NU 307 ECJ

s	1.2 mm
F	46.2 mm
d	35 mm
D	80 mm
B	21 mm
Noun	Bearing
Bore	1.378 Inch 35 Millimeter
Width	0.827 Inch 21 Millimeter
UNSPSC	31171547
s max.	1.2 mm
series:	NU3
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	80x35x21
Snap Ring	No
Separable	Inner Ring - Both Sides
Inventory	0.0
bore type:	Straight
Width (mm)	21
maximum rpm:	11000 RPM
Weight / LBS	1.101
Bore Profile	Straight
Mass bearing	0.48 kg
closure type:	Open
Product Group	B04144

D ₁	65.8 mm
Cage Material	Steel
Inch - Metric	Metric
Bearing number	NU 307 ECJ
Relubricatable	Yes
fillet radius:	1.5 mm
cage material:	Steel
Limiting speed	11000 r/min
bore diameter:	35 mm
Other Features	High Capacity Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
overall width:	21 mm
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
finish/coating:	Uncoated
Reference speed	9500 r/min
Precision Class	RBEC 1 ISO P0
Limiting value e	0.2
Long Description	35MM Bore; Straight Bore Profile; 80MM Outside Diameter; 21MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inter
ring separation:	Separable Ring
Manufacturer URL	http://www.skf.com
Outside Diameter	3.15 Inch 80 Millimeter
outside diameter:	80 mm
Manufacturer Name	SKF

outer ring width:	21 mm
Weight / Kilogram	0.5
precision rating:	Not Rated
bearing material:	Steel
r _b max.	1 mm
Internal Clearance	C0-Medium
r _a max.	1.5 mm
D _a max.	72.2 mm
d _b min.	48 mm
d _a max.	44 mm
d _a min.	42 mm
Bore Diameter (mm)	80
Outer Diameter (mm)	35
internal clearance:	C0
Axial load factor Y	0.6
Minimum Buy Quantity	N/A
r _a - max.	1.5 mm
d _a - min.	42 mm
r _b - max.	1 mm
d _a - max.	44 mm
d _b - min.	48 mm
D _a - max.	72.2 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1.1 mm
D ₁ ?	65.8 mm
static load capacity:	63 kN
r _{3,4} - min.	1.1 mm
Harmonized Tariff Code	8482.50.00.00
r _{1,2} - min.	1.5 mm
dynamic load capacity:	75 kN
Manufacturer Item Number	NU 307 ECJ
Number of Rows of	Single Row

Rollers	
Basic dynamic load rating C	75 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	75 kN
Fatigue load limit P_u	8.15 kN
Calculation factor k_r	0.15
Fatigue load limit - P_u	8.2 kN
Calculation factor - k_r	0.15
Basic static load rating C_0	63 kN
Basic static load rating - C_0	63 kN