



Bearing No. NJ 316 ECP

F	101 mm
s	2.1 mm
d	80 mm
D	170 mm
B	39 mm
Bore	3.15 Inch 80 Millimeter
Noun	Bearing
Width	1.535 Inch 39 Millimeter
s max.	2.1 mm
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NJ3
flanges:	(2) Outer Ring, (1) Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Separable	Inner Ring - One Side
Size (mm)	170x80x39
Inventory	0.0
Snap Ring	No
Width (mm)	39
bore type:	Straight
Bore Profile	Straight
Mass bearing	4.02 kg
Weight / LBS	9.002
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	5000 RPM

closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	142.7 mm
d ₁	110 mm
bore diameter:	80 mm
overall width:	39 mm
cage material:	Polyamide
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
fillet radius:	2 mm
Relubricatable	Yes
Bearing number	NJ 316 ECP
Limiting speed	5000 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Reference speed	4300 r/min
Outside Diameter	6.693 Inch 170 Millimeter
ring separation:	Separable Ring
Long Description	80MM Bore; Straight Bore Profile; 170MM Outside Diameter; 39MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Inte

Limiting value e	0.2
Manufacturer URL	http://www.skf.com
bearing material:	Steel
outside diameter:	170 mm
precision rating:	RBEC 1 (ISO Class Normal)
outer ring width:	39 mm
Weight / Kilogram	4.087
Manufacturer Name	SKF
d _a max.	98 mm
d _b min.	113 mm
D _a max.	157.8 mm
d _a min.	92 mm
Bore Diameter (mm)	170
r _a max.	2 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	80
Axial load factor Y	0.6
internal clearance:	C0
r _{3,4} min.	2.1 mm
r _{1,2} min.	2.1 mm
d _a - min.	92 mm
D _a - max.	157.8 mm
Minimum Buy Quantity	N/A
r _a - max.	2 mm
d _a - max.	98 mm
d _b - min.	113 mm
static load capacity:	290 kN
d ₁ ?	110 mm
D ₁ ?	142.7 mm
r _{3,4} - min.	2.1 mm
Harmonized Tariff Code	8482.50.00.00
	2.1 mm

r^{1,2} - min.

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dynamic load capacity:	300 kN
Manufacturer Item Number	NJ 316 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	300 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	300 kN
Fatigue load limit P_u	36 kN
Calculation factor k_r	0.15
Fatigue load limit - P_u	36 kN
Calculation factor - k_r	0.15
Basic static load rating C_0	290 kN
Basic static load rating - C_0	290 kN