



Bearing No. NJ 2216 ECP

F	95.3 mm
s	1.4 mm
d	80 mm
D	140 mm
B	33 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	1.299 Inch 33 Millimeter
s max.	1.4 mm
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NJ22
flanges:	(2) Outer Ring, (1) Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Separable	Inner Ring - One Side
Size (mm)	140x80x33
Inventory	0.0
Snap Ring	No
Width (mm)	33
bore type:	Straight
Bore Profile	Straight
Mass bearing	2.03 kg
Weight / LBS	4.581
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	5600 RPM

closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	121.7 mm
d ₁	101 mm
bore diameter:	80 mm
overall width:	33 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 2216 ECP
Limiting speed	5600 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Reference speed	5300 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	5.512 Inch 140 Millimeter
Long Description	80MM Bore; Straight Bore Profile; 140MM Outside Diameter; 33MM 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	0.3
ring separation:	Separable Ring
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	33 mm
Weight / Kilogram	2.08
Manufacturer Name	SKF
outside diameter:	140 mm
Bore Diameter (mm)	140
Internal Clearance	C0-Medium
d _a min.	90 mm
d _a max.	93 mm
D _a max.	129.8 mm
r _a max.	2 mm
d _b min.	104 mm
Outer Diameter (mm)	80
Axial load factor Y	0.4
internal clearance:	C0
r _{3,4} min.	2 mm
r _{1,2} min.	2 mm
d _a - min.	90 mm
D _a - max.	129.8 mm
Minimum Buy Quantity	N/A
r _a - max.	2 mm
d _a - max.	93 mm
d _b - min.	104 mm
static load capacity:	245 kN
d ₁ ?	101 mm
D ₁ ?	121.7 mm
r _{3,4} - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
	2 mm

r^{1,2} - min.

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dynamic load capacity:	212 kN
Manufacturer Item Number	NJ 2216 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	212 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	212 kN
Fatigue load limit P_u	31 kN
Calculation factor k_r	0.2
Fatigue load limit - P_u	31 kN
Calculation factor - k_r	0.2
Basic static load rating C_0	245 kN
Basic static load rating - C_0	245 kN