



**Bearing No. NJ 221 ECP**

F	125 mm
s	2 mm
d	105 mm
D	190 mm
B	36 mm
Bore	4.134 Inch   105 Millimeter
Noun	Bearing
Width	1.417 Inch   36 Millimeter
UNSPSC	31171547
s max.	2 mm
series:	NJ2
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring, (1) Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	190x105x36
Snap Ring	No
Separable	Inner Ring - One Side
Inventory	0.0
bore type:	Straight
Width (mm)	36
maximum rpm:	4300 RPM
Weight / LBS	9.118
Bore Profile	Straight
Mass bearing	4 kg
closure type:	Open
Product Group	B04144

d <sub>1</sub>	134 mm
Cage Material	Polymer
D <sub>1</sub>	164 mm
Inch - Metric	Metric
Bearing number	NJ 221 ECP
Relubricatable	Yes
fillet radius:	2 mm
cage material:	Polyamide
Limiting speed	4300 r/min
bore diameter:	105 mm
Other Features	High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
overall width:	36 mm
finish/coating:	Uncoated
number of rows:	1
Reference speed	3800 r/min
Precision Class	RBEC 1   ISO P0
Rolling Element	Cylindrical Roller Bearing
Long Description	105MM Bore; Straight Bore Profile; 190MM Outside Diameter; 36MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Int
Limiting value e	0.2
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
ring separation:	Separable Ring
Outside Diameter	7.48 Inch   190 Millimeter

Weight / Kilogram	4.14
precision rating:	Not Rated
outside diameter:	190 mm
outer ring width:	36 mm
Manufacturer Name	SKF
bearing material:	Steel
r <sub>a</sub> max.	2 mm
d <sub>a</sub> min.	117 mm
d <sub>a</sub> max.	122 mm
d <sub>b</sub> min.	137 mm
D <sub>a</sub> max.	177.3 mm
Bore Diameter (mm)	190
Internal Clearance	C0-Medium
Axial load factor Y	0.6
internal clearance:	C0
Outer Diameter (mm)	105
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
r <sub>a</sub> - max.	2 mm
Minimum Buy Quantity	N/A
D <sub>a</sub> - max.	177.3 mm
d <sub>a</sub> - min.	117 mm
d <sub>b</sub> - min.	137 mm
d <sub>a</sub> - max.	122 mm
static load capacity:	315 kN
d <sub>1</sub> ?	134 mm
D <sub>1</sub> ?	164.2 mm
Harmonized Tariff Code	8482.50.00.00
r <sub>1,2</sub> - min.	2.1 mm
dynamic load capacity:	300 kN
r <sub>3,4</sub> - min.	2.1 mm
Manufacturer Item Number	NJ 221 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 $P_u$	36.5 kN
Calculation factor $k_r$	0.15
Fatigue load limit - $P_u$	36.5 kN
Calculation factor - $k_r$	0.15
Basic static load rating $C_0$	315 kN
Basic static load rating - $C_0$	315 kN