



**Bearing No. NJ 2214 ECP**

F	83.5 mm
s	1.7 mm
d	70 mm
D	125 mm
B	31 mm
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
Width	1.22 Inch   31 Millimeter
s max.	1.7 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)	125x70x31
Inventory	0.0
Snap Ring	No
Width (mm)	31
bore type:	Straight
Bore Profile	Straight
Mass bearing	1.51 kg
Weight / LBS	3.475
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	6300 RPM

closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D <sub>1</sub>	108.2 mm
d <sub>1</sub>	89.4 mm
bore diameter:	70 mm
overall width:	31 mm
cage material:	Polyamide
Other Features	High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
fillet radius:	1.5 mm
Relubricatable	Yes
Bearing number	NJ 2214 ECP
Limiting speed	6300 r/min
Reference speed	6000 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1   ISO P0
number of rows:	1
finish/coating:	Uncoated
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	70MM Bore; Straight Bore Profile; 125MM Outside Diameter; 31MM 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

Outside Diameter	4.921 Inch   125 Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	31 mm
Weight / Kilogram	1.578
Manufacturer Name	SKF
outside diameter:	125 mm
Bore Diameter (mm)	125
Internal Clearance	C0-Medium
d <sub>a</sub> min.	79 mm
d <sub>a</sub> max.	81 mm
D <sub>a</sub> max.	115.4 mm
r <sub>a</sub> max.	1.5 mm
d <sub>b</sub> min.	92 mm
Outer Diameter (mm)	70
Axial load factor Y	0.4
internal clearance:	C0
r <sub>3,4</sub> min.	1.5 mm
r <sub>1,2</sub> min.	1.5 mm
d <sub>a</sub> - min.	79 mm
D <sub>a</sub> - max.	115.4 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1.5 mm
d <sub>a</sub> - max.	81 mm
d <sub>b</sub> - min.	92 mm
static load capacity:	193 kN
d <sub>1</sub> ?	89.4 mm
D <sub>1</sub> ?	108.2 mm
r <sub>3,4</sub> - min.	1.5 mm
Harmonized Tariff Code	8482.50.00.00
r <sub>1,2</sub> - min.	1.5 mm

dynamic load capacity:	180 kN
Manufacturer Item Number	NJ 2214 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	180 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	180 kN
Fatigue load limit $P_u$	25.5 kN
Calculation factor $k_r$	0.2
Fatigue load limit - $P_u$	25.5 kN
Calculation factor - $k_r$	0.2
Basic static load rating $C_0$	193 kN
Basic static load rating - $C_0$	193 kN