



**Bearing No. NJ 2313 ECP**

F	82.5 mm
s	4.7 mm
d	65 mm
D	140 mm
B	48 mm
Noun	Bearing
Bore	2.559 Inch   65 Millimeter
Width	1.89 Inch   48 Millimeter
s max.	4.7 mm
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NJ23
flanges:	(2) Outer Ring, (1) Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Separable	Inner Ring - One Side
Size (mm)	140x65x48
Inventory	0.0
Snap Ring	No
Width (mm)	48
bore type:	Straight
Bore Profile	Straight
Mass bearing	3.36 kg
Weight / LBS	7.549
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	6000 RPM

closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D <sub>1</sub>	117.4 mm
d <sub>1</sub>	90.5 mm
bore diameter:	65 mm
overall width:	48 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 2313 ECP
Limiting speed	6000 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	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	5.512 Inch   140 Millimeter
Long Description	65MM Bore; Straight Bore Profile; 140MM Outside Diameter; 48MM 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:	48 mm
Weight / Kilogram	3.427
Manufacturer Name	SKF
outside diameter:	140 mm
Bore Diameter (mm)	140
Internal Clearance	C0-Medium
d <sub>a</sub> min.	77 mm
d <sub>a</sub> max.	80 mm
D <sub>a</sub> max.	127.8 mm
r <sub>a</sub> max.	2 mm
d <sub>b</sub> min.	93 mm
Outer Diameter (mm)	65
Axial load factor Y	0.4
internal clearance:	C0
r <sub>3,4</sub> min.	2.1 mm
r <sub>1,2</sub> min.	2.1 mm
d <sub>a</sub> - min.	77 mm
D <sub>a</sub> - max.	127.8 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	2 mm
d <sub>a</sub> - max.	80 mm
d <sub>b</sub> - min.	93 mm
static load capacity:	290 kN
d <sub>1</sub> ?	90.5 mm
D <sub>1</sub> ?	117.4 mm
r <sub>3,4</sub> - min.	2.1 mm
Harmonized Tariff Code	8482.50.00.00
	2.1 mm

r<sup>1,2</sup> - min.

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dynamic load capacity:	285 kN
Manufacturer Item Number	NJ 2313 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	285 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	285 kN
Fatigue load limit $P_u$	38 kN
Calculation factor $k_r$	0.25
Fatigue load limit - $P_u$	38 kN
Calculation factor - $k_r$	0.25
Basic static load rating $C_0$	290 kN
Basic static load rating - $C_0$	290 kN