



**Bearing No. NJ 2210 ECP**

F	59.5 mm
s	1.5 mm
d	50 mm
D	90 mm
B	23 mm
Bore	1.969 Inch   50 Millimeter
Noun	Bearing
Width	0.906 Inch   23 Millimeter
s max.	1.5 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)	90x50x23
Inventory	0.0
Snap Ring	No
Width (mm)	23
bore type:	Straight
Bore Profile	Straight
Mass bearing	0.57 kg
Weight / LBS	1.301
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	9000 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D <sub>1</sub>	77.4 mm
d <sub>1</sub>	64 mm
bore diameter:	50 mm
overall width:	23 mm
cage material:	Polyamide
Other Features	High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
fillet radius:	1 mm
Relubricatable	Yes
Bearing number	NJ 2210 ECP
Limiting speed	9000 r/min
Reference speed	8500 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	50MM Bore; Straight Bore Profile; 90MM Outside Diameter; 23MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Inter
Limiting value e	0.3

ring separation:	Separable Ring
Outside Diameter	3.543 Inch   90 Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	23 mm
Weight / Kilogram	0.591
Manufacturer Name	SKF
outside diameter:	90 mm
Bore Diameter (mm)	90
Internal Clearance	C0-Medium
$d_a$ min.	57 mm
$d_a$ max.	57.5 mm
$D_a$ max.	82.4 mm
$r_a$ max.	1 mm
$d_b$ min.	66 mm
Outer Diameter (mm)	50
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	1.1 mm
$r_{1,2}$ min.	1.1 mm
$d_a$ - min.	57 mm
$D_a$ - max.	82.4 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	1 mm
$d_a$ - max.	57.5 mm
$d_b$ - min.	66 mm
static load capacity:	88 kN
$d_1$ ?	64 mm
$D_1$ ?	77.4 mm
$r_{3,4}$ - min.	1.1 mm
Harmonized Tariff Code	8482.50.00.00

$r_{1,2}$ - min.	1.1 mm
dynamic load capacity:	90 kN
Manufacturer Item Number	NJ 2210 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	90 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	90 kN
Fatigue load limit $P_u$	11.4 kN
Calculation factor $k_f$	0.2
Fatigue load limit - $P_u$	11.4 kN
Calculation factor - $k_f$	0.2
Basic static load rating $C_0$	88 kN
Basic static load rating - $C_0$	88 kN