



Bearing No. NJ 2218 ECP

F	107 mm
s	2.6 mm
d	90 mm
D	160 mm
B	40 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	1.575 Inch 40 Millimeter
s max.	2.6 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)	160x90x40
Inventory	0.0
Snap Ring	No
Width (mm)	40
bore type:	Straight
Bore Profile	Straight
Mass bearing	3.23 kg
Weight / LBS	7.264
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	5000 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	138.5 mm
d ₁	114 mm
bore diameter:	90 mm
overall width:	40 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 2218 ECP
Limiting speed	5000 r/min
Reference speed	4500 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Manufacturer URL	http://www.skf.com
Long Description	90MM Bore; Straight Bore Profile; 160MM Outside Diameter; 40MM 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	6.299 Inch 160 Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	40 mm
Weight / Kilogram	3.3
Manufacturer Name	SKF
outside diameter:	160 mm
Bore Diameter (mm)	160
Internal Clearance	C0-Medium
d_a min.	101 mm
d_a max.	104 mm
D_a max.	149 mm
r_a max.	2 mm
d_b min.	117 mm
Outer Diameter (mm)	90
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2 mm
d_a - min.	101 mm
D_a - max.	149 mm
Minimum Buy Quantity	N/A
r_a - max.	2 mm
d_a - max.	104 mm
d_b - min.	117 mm
static load capacity:	315 kN
d_1 ?	114 mm
D_1 ?	138.5 mm
$r_{3,4}$ - min.	2 mm
Harmonized Tariff Code	8482.50.00.00

$r_{1,2}$ - min.	2 mm
dynamic load capacity:	280 kN
Manufacturer Item Number	NJ 2218 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	280 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	280 kN
Fatigue load limit P_u	39 kN
Calculation factor k_f	0.2
Fatigue load limit - P_u	39 kN
Calculation factor - k_f	0.2
Basic static load rating C_0	315 kN
Basic static load rating - C_0	315 kN