



**40 mm x 80 mm x 18 mm SKF NJ 208 ECP
thrust ball bearings**

Bearing No. NJ 208 ECP

NJ 208 ECP Bearing 2D drawings and 3D CAD models

Size	80x40x18 mm
Bore Diameter	80 mm
Outer Diameter	40 mm
Width	18 mm
d	40 mm
D	80 mm
B	18 mm
d ₁	54 mm
D ₁	67.4 mm
F	49.5 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	1.1 mm
s	1.4 mm
d _a - min.	47 mm
d _a - max.	48 mm
d _b - min.	56 mm
D _a - max.	72.8 mm
r _a - max.	1 mm
Basic dynamic load rating - C	62 kN
Basic static load rating - C ₀	53 kN
Fatigue load limit - P _u	6.7 kN
Reference speed	9500 r/min
Limiting speed	11000 r/min
Calculation factor - k _r	0.15



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Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.4
EAN	7316577023100
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - One Side
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	40MM Bore; Straight Bore Profile; 80MM Outside Diameter; 18MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Inter
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NJ 208 ECP
Weight / LBS	0.88
Bore	1.575 Inch 40 Millimeter
Width	0.709 Inch 18 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
bore diameter:	40 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	80 mm
maximum rpm:	11000 RPM
overall width:	18 mm
bearing material:	Steel
flanges:	(2) Outer Ring, (1) Inner Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	18 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1 mm
dynamic load capacity:	62 kN
series:	NJ2
static load capacity:	53 kN
d ₁	54 mm
D ₁	67.4 mm



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$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	1.1 mm
s max.	1.4 mm
d_a min.	47 mm
d_a max.	48 mm
d_b min.	56 mm
D_a max.	72.8 mm
r_a max.	1 mm
Basic dynamic load rating C	62 kN
Basic static load rating C_0	53 kN
Fatigue load limit P_u	6.7 kN
Calculation factor k_r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.38 kg