



Bearing No. NJ 2209 ECP

F	54.5 mm
s	1.7 mm
d	45 mm
D	85 mm
B	23 mm
Bore	1.772 Inch   45 Millimeter
Noun	Bearing
Width	0.906 Inch   23 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)	85x45x23
Inventory	0.0
Snap Ring	No
Width (mm)	23
bore type:	Straight
Bore Profile	Straight
Mass bearing	0.54 kg
Weight / LBS	1.228
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	9500 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D <sub>1</sub>	72.4 mm
d <sub>1</sub>	59 mm
bore diameter:	45 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 2209 ECP
Limiting speed	9500 r/min
Reference speed	9000 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	45MM Bore; Straight Bore Profile; 85MM 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	3.346 Inch   85 Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	23 mm
Weight / Kilogram	0.558
Manufacturer Name	SKF
outside diameter:	85 mm
Bore Diameter (mm)	85
Internal Clearance	C0-Medium
$d_a$ min.	52 mm
$d_a$ max.	53 mm
$D_a$ max.	77.6 mm
$r_a$ max.	1 mm
$d_b$ min.	61 mm
Outer Diameter (mm)	45
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.	52 mm
$D_a$ - max.	77.6 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	1 mm
$d_a$ - max.	53 mm
$d_b$ - min.	61 mm
static load capacity:	81.5 kN
$d_1$ ?	59 mm
$D_1$ ?	72.4 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:	85 kN
Manufacturer Item Number	NJ 2209 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	85 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	85 kN
Fatigue load limit $P_u$	10.6 kN
Calculation factor $k_f$	0.2
Fatigue load limit - $P_u$	10.6 kN
Calculation factor - $k_f$	0.2
Basic static load rating $C_0$	81.5 kN
Basic static load rating - $C_0$	81.5 kN