



Bearing No. NJ 2211 ECP

F	66 mm
s	1.5 mm
d	55 mm
D	100 mm
B	25 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
Width	0.984 Inch 25 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)	100x55x25
Inventory	0.0
Snap Ring	No
Width (mm)	25
bore type:	Straight
Bore Profile	Straight
Mass bearing	0.81 kg
Weight / LBS	1.828
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	8000 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	85.6 mm
d ₁	70.8 mm
bore diameter:	55 mm
overall width:	25 mm
cage material:	Polyamide
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
fillet radius:	1.5 mm
Relubricatable	Yes
Bearing number	NJ 2211 ECP
Limiting speed	8000 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Reference speed	7500 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	3.937 Inch 100 Millimeter
Long Description	55MM Bore; Straight Bore Profile; 100MM Outside Diameter; 25MM 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:	25 mm
Weight / Kilogram	0.83
Manufacturer Name	SKF
outside diameter:	100 mm
Bore Diameter (mm)	100
Internal Clearance	C0-Medium
d_a min.	63 mm
d_a max.	64 mm
D_a max.	91.4 mm
r_a max.	1 mm
d_b min.	73 mm
Outer Diameter (mm)	55
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	1.1 mm
$r_{1,2}$ min.	1.5 mm
d_a - min.	63 mm
D_a - max.	91.4 mm
Minimum Buy Quantity	N/A
r_a - max.	1 mm
d_a - max.	64 mm
d_b - min.	73 mm
static load capacity:	118 kN
d_1 ?	70.8 mm
D_1 ?	85.7 mm
$r_{3,4}$ - min.	1.5 mm
Harmonized Tariff Code	8482.50.00.00

$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	114 kN
Manufacturer Item Number	NJ 2211 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	114 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	114 kN
Fatigue load limit P_u	15.3 kN
Calculation factor k_r	0.2
Fatigue load limit - P_u	15.3 kN
Calculation factor - k_r	0.2
Basic static load rating C_0	118 kN
Basic static load rating - C_0	118 kN