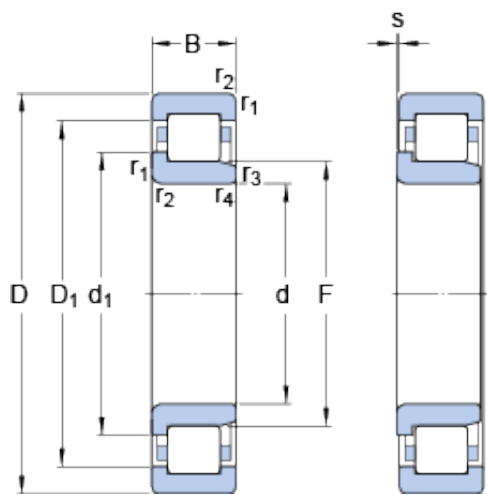




Bearing No. NJ 2220 ECP

F	119 mm
s	2.5 mm
d	100 mm
D	180 mm
B	46 mm
Bore	3.937 Inch 100 Millimeter
Noun	Bearing
Width	1.811 Inch 46 Millimeter
s max.	2.5 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)	180x100x46
Inventory	0.0
Snap Ring	No
Width (mm)	46
bore type:	Straight
Bore Profile	Straight
Mass bearing	4.98 kg
Weight / LBS	10.778
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	4550 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	155.6 mm
d ₁	127 mm
bore diameter:	100 mm
overall width:	46 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 2220 ECP
Limiting speed	4500 r/min
Reference speed	4000 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	100MM Bore; Straight Bore Profile; 180MM Outside Diameter; 46MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Int
Limiting value e	0.3

ring separation:	Separable Ring
Outside Diameter	7.087 Inch 180 Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	46 mm
Weight / Kilogram	4.893
Manufacturer Name	SKF
outside diameter:	180 mm
Bore Diameter (mm)	180
Internal Clearance	C0-Medium
d _a min.	113 mm
d _a max.	116 mm
D _a max.	167.5 mm
r _a max.	2 mm
d _b min.	130 mm
Outer Diameter (mm)	100
Axial load factor Y	0.4
internal clearance:	C0
r _{3,4} min.	2.1 mm
r _{1,2} min.	2.1 mm
d _a - min.	113 mm
D _a - max.	167.5 mm
Minimum Buy Quantity	N/A
r _a - max.	2 mm
d _a - max.	116 mm
d _b - min.	130 mm
static load capacity:	450 kN
d ₁ ?	127 mm
D ₁ ?	155.6 mm
r _{3,4} - min.	2.1 mm
Harmonized Tariff Code	8482.50.00.00

$r_{1,2}$ - min.	2.1 mm
dynamic load capacity:	380 kN
Manufacturer Item Number	NJ 2220 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	380 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	380 kN
Fatigue load limit P_u	54 kN
Calculation factor k_r	0.2
Fatigue load limit - P_u	54 kN
Calculation factor - k_r	0.2
Basic static load rating C_0	450 kN
Basic static load rating - C_0	450 kN