



Bearing No. NUP 2220 ECP

F	119 mm
D	180 mm
B	46 mm
d	100 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Width	1.811 Inch 46 Millimeter
UNSPSC	31171547
series:	NUP22
Profile	Complete with Outer and Inner Ring
Retainer	Yes
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Separable	No
Size (mm)	180x100x46
Inventory	0.0
Snap Ring	No
Width (mm)	46
bore type:	Straight
Bore Profile	Straight
Mass bearing	4.8 kg
Weight / LBS	10.966
maximum rpm:	4550 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open

Product Group	B04144
D ₁	155.6 mm
Cage Material	Polymer
Inch - Metric	Metric
d ₁	127 mm
overall width:	46 mm
cage material:	Polyamide
Other Features	High Capacity 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	2 mm
bore diameter:	100 mm
Bearing number	NUP 2220 ECP
Limiting speed	4500 r/min
finish/coating:	Uncoated
Reference speed	4000 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
ring separation:	Separable Ring
Long Description	100MM Bore; Straight Bore Profile; 180MM Outside Diameter; 46MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; R
Limiting value e	0.3
Outside Diameter	7.087 Inch 180 Millimeter

Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	180 mm
outer ring width:	46 mm
bearing material:	Steel
Weight / Kilogram	4.979
d_b min.	130 mm
D_a max.	167.5 mm
d_a min.	113 mm
Bore Diameter (mm)	180
r_a max.	2 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.4
internal clearance:	C0
Outer Diameter (mm)	100
d_a - min.	113 mm
D_a - max.	167.5 mm
Minimum Buy Quantity	N/A
r_a - max.	2 mm
$r_{3,4}$ min.	2.1 mm
$r_{1,2}$ min.	2.1 mm
d_b - min.	130 mm
d_1 ?	127 mm
D_1 ?	155.6 mm
static load capacity:	450 kN
dynamic load capacity:	380 kN
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	2.1 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 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