



Bearing No. NUP 219 ECP

F	112.5 mm
D	170 mm
B	32 mm
d	95 mm
Noun	Bearing
Bore	3.74 Inch 95 Millimeter
Width	1.26 Inch 32 Millimeter
UNSPSC	31171547
series:	NUP2
Profile	Complete with Outer and Inner Ring
Retainer	Yes
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Separable	No
Size (mm)	170x95x32
Inventory	0.0
Snap Ring	No
Width (mm)	32
bore type:	Straight
Bore Profile	Straight
Mass bearing	2.9 kg
Weight / LBS	6.497
maximum rpm:	4800 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open
Product Group	B04144
D ₁	147.4 mm

Cage Material	Polymer
Inch - Metric	Metric
d ₁	120 mm
overall width:	32 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:	95 mm
Bearing number	NUP 219 ECP
Limiting speed	4800 r/min
finish/coating:	Uncoated
Reference speed	4300 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
ring separation:	Separable Ring
Manufacturer URL	http://www.skf.com
Limiting value e	0.2
Long Description	95MM Bore; Straight Bore Profile; 170MM Outside Diameter; 32MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Outside Diameter	6.693 Inch 170 Millimeter
precision rating:	RBEC 1 (ISO Class

	Normal)
bearing material:	Steel
outer ring width:	32 mm
outside diameter:	170 mm
Weight / Kilogram	2.95
Manufacturer Name	SKF
Bore Diameter (mm)	170
d_b min.	123 mm
D_a max.	157.8 mm
r_a max.	2 mm
d_a min.	107 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.6
internal clearance:	C0
Outer Diameter (mm)	95
d_a - min.	107 mm
D_a - max.	157.8 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.	123 mm
d_1 ?	120 mm
D_1 ?	147.4 mm
static load capacity:	265 kN
dynamic load capacity:	255 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 219 ECP
Number of Rows of Rollers	Single Row

Basic dynamic load rating C	255 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	255 kN
Fatigue load limit P_u	32.5 kN
Calculation factor k_r	0.15
Fatigue load limit - P_u	32.5 kN
Calculation factor - k_r	0.15
Basic static load rating C_0	265 kN
Basic static load rating - C_0	265 kN