



Bearing No. NUP 317 ECP

F	108 mm
D	180 mm
B	41 mm
d	85 mm
Noun	Bearing
Bore	3.346 Inch 85 Millimeter
Width	1.614 Inch 41 Millimeter
UNSPSC	31171547
series:	NUP3
Profile	Complete with Outer and Inner Ring
Retainer	Yes
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Separable	No
Size (mm)	180x85x41
Inventory	1.0
Snap Ring	No
Width (mm)	41
bore type:	Straight
Bore Profile	Straight
Mass bearing	4.87 kg
Weight / LBS	10.994
maximum rpm:	4800 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open

Product Group	B04144
D ₁	151.4 mm
Cage Material	Polymer
Inch - Metric	Metric
d ₁	117 mm
overall width:	41 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:	2.5 mm
bore diameter:	85 mm
Bearing number	NUP 317 ECP
Limiting speed	4800 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
Manufacturer URL	http://www.skf.com
Limiting value e	0.2
Long Description	85MM Bore; Straight Bore Profile; 180MM Outside Diameter; 41MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Outside Diameter	7.087 Inch 180

	Millimeter
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	41 mm
outside diameter:	180 mm
Weight / Kilogram	4.991
Manufacturer Name	SKF
Bore Diameter (mm)	180
d_b min.	120 mm
D_a max.	165.5 mm
r_a max.	2.5 mm
d_a min.	99 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.6
internal clearance:	C0
Outer Diameter (mm)	85
d_a - min.	99 mm
D_a - max.	165.5 mm
Minimum Buy Quantity	N/A
r_a - max.	2.5 mm
$r_{3,4}$ min.	3 mm
$r_{1,2}$ min.	3 mm
d_b - min.	120 mm
d_1 ?	117 mm
D_1 ?	151.4 mm
static load capacity:	335 kN
dynamic load capacity:	340 kN
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	3 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 317 ECP

Number of Rows of Rollers	Single Row
Basic dynamic load rating C	340 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	340 kN
Fatigue load limit P_u	41.5 kN
Calculation factor k_r	0.15
Fatigue load limit - P_u	41.5 kN
Calculation factor - k_r	0.15
Basic static load rating C_0	335 kN
Basic static load rating - C_0	335 kN