



Bearing No. NUP 2216 ECP

F	95.3 mm
d	80 mm
B	33 mm
D	140 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	1.299 Inch 33 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)	140x80x33
Inventory	0.0
Snap Ring	No
Width (mm)	33
bore type:	Straight
Bore Profile	Straight
Mass bearing	2.02 kg
Weight / LBS	4.665
maximum rpm:	5600 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open
Product Group	B04144

D ₁	121.7 mm
Cage Material	Polymer
Inch - Metric	Metric
d ₁	101 mm
overall width:	33 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:	80 mm
Bearing number	NUP 2216 ECP
Limiting speed	5600 r/min
finish/coating:	Uncoated
Reference speed	5300 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	0.3
Long Description	80MM Bore; Straight Bore Profile; 140MM Outside Diameter; 33MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Outside Diameter	5.512 Inch 140 Millimeter

precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	33 mm
outside diameter:	140 mm
Weight / Kilogram	2.118
Manufacturer Name	SKF
Bore Diameter (mm)	140
d_b min.	104 mm
D_a max.	129.8 mm
r_a max.	2 mm
d_a min.	90 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.4
internal clearance:	C0
Outer Diameter (mm)	80
d_a - min.	90 mm
D_a - max.	129.8 mm
Minimum Buy Quantity	N/A
r_a - max.	2 mm
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2 mm
d_b - min.	104 mm
d_1 ?	101 mm
D_1 ?	121.7 mm
static load capacity:	245 kN
dynamic load capacity:	212 kN
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 2216 ECP
Number of Rows of	Single Row

Rollers	
Basic dynamic load rating C	212 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	212 kN
Fatigue load limit P_u	31 kN
Calculation factor k_r	0.2
Fatigue load limit - P_u	31 kN
Calculation factor - k_r	0.2
Basic static load rating C_0	245 kN
Basic static load rating - C_0	245 kN