



**Bearing No. NU 2216 ECP**

D	140 mm
d	80 mm
B	33 mm
F	95.3 mm
s	1.4 mm
Bore	3.15 Inch   80 Millimeter
Noun	Bearing
Width	1.299 Inch   33 Millimeter
s max.	1.4 mm
UNSPSC	31171547
series:	NU22
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Size (mm)	140x80x33
Snap Ring	No
Inventory	0.0
Separable	Inner Ring - Both Sides
bore type:	Straight
Width (mm)	33
Bore Profile	Straight
Mass bearing	1.95 kg
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
Weight / LBS	4.497
maximum rpm:	5600 RPM
closure type:	Open

Inch - Metric	Metric
Product Group	B04144
Cage Material	Polymer
D <sub>1</sub>	121.7 mm
bore diameter:	80 mm
overall width:	33 mm
cage material:	Polyamide
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	2 mm
Bearing number	NU 2216 ECP
Limiting speed	5600 r/min
Rolling Element	Cylindrical Roller Bearing
number of rows:	1
Precision Class	RBEC 1   ISO P0
finish/coating:	Uncoated
Reference speed	5300 r/min
Outside Diameter	5.512 Inch   140 Millimeter
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; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
ring separation:	Separable Ring

bearing material:	Steel
outside diameter:	140 mm
precision rating:	RBEC 1 (ISO Class Normal)
outer ring width:	33 mm
Weight / Kilogram	2.042
Manufacturer Name	SKF
$D_a$ max.	129.8 mm
$d_a$ max.	93 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
$d_a$ min.	90 mm
Bore Diameter (mm)	140
Internal Clearance	C0-Medium
$d_b$ min.	98 mm
Outer Diameter (mm)	80
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2 mm
$d_a$ - min.	90 mm
$r_a$ - max.	2 mm
Minimum Buy Quantity	N/A
$r_b$ - max.	2 mm
$d_a$ - max.	93 mm
$d_b$ - min.	98 mm
$D_a$ - max.	129.8 mm
static load capacity:	245 kN
$D_1$ ?	121.7 mm
$r_{3,4}$ - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
$r_{1,2}$ - min.	2 mm
dynamic load capacity:	212 kN

Manufacturer Item Number	NU 2216 ECP
Number of Rows of Rollers	Single Row
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