



**Bearing No. NU 2316 ECP**

D	170 mm
d	80 mm
B	58 mm
F	101 mm
s	5.1 mm
Bore	3.15 Inch   80 Millimeter
Noun	Bearing
Width	2.283 Inch   58 Millimeter
s max.	5.1 mm
UNSPSC	31171547
series:	NU23
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Size (mm)	170x80x58
Snap Ring	No
Inventory	0.0
Separable	Inner Ring - Both Sides
bore type:	Straight
Width (mm)	58
Bore Profile	Straight
Mass bearing	5.95 kg
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
Weight / LBS	13.047
maximum rpm:	5000 RPM
closure type:	Open

Inch - Metric	Metric
Product Group	B04144
Cage Material	Polymer
D <sub>1</sub>	142.7 mm
bore diameter:	80 mm
overall width:	58 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 2316 ECP
Limiting speed	5000 r/min
Rolling Element	Cylindrical Roller Bearing
number of rows:	1
Precision Class	RBEC 1   ISO P0
finish/coating:	Uncoated
Reference speed	4300 r/min
ring separation:	Separable Ring
Limiting value e	0.3
Long Description	80MM Bore; Straight Bore Profile; 170MM Outside Diameter; 58MM 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>
Outside Diameter	6.693 Inch   170 Millimeter

bearing material:	Steel
outside diameter:	170 mm
precision rating:	RBEC 1 (ISO Class Normal)
outer ring width:	58 mm
Weight / Kilogram	5.923
Manufacturer Name	SKF
D <sub>a</sub> max.	157.8 mm
d <sub>a</sub> max.	98 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	2 mm
d <sub>a</sub> min.	92 mm
Bore Diameter (mm)	170
Internal Clearance	C0-Medium
d <sub>b</sub> min.	104 mm
Outer Diameter (mm)	80
Axial load factor Y	0.4
internal clearance:	C0
r <sub>3,4</sub> min.	2.1 mm
r <sub>1,2</sub> min.	2.1 mm
d <sub>a</sub> - min.	92 mm
r <sub>a</sub> - max.	2 mm
Minimum Buy Quantity	N/A
r <sub>b</sub> - max.	2 mm
d <sub>a</sub> - max.	98 mm
d <sub>b</sub> - min.	104 mm
D <sub>a</sub> - max.	157.8 mm
static load capacity:	440 kN
D <sub>1</sub> ?	142.8 mm
r <sub>3,4</sub> - min.	2.1 mm
Harmonized Tariff Code	8482.50.00.00
r <sub>1,2</sub> - min.	2.1 mm
dynamic load capacity:	415 kN

Manufacturer Item Number	NU 2316 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	415 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	415 kN
Fatigue load limit $P_u$	55 kN
Calculation factor $k_r$	0.25
Fatigue load limit - $P_u$	55 kN
Calculation factor - $k_r$	0.25
Basic static load rating $C_0$	440 kN
Basic static load rating - $C_0$	440 kN