



**Bearing No. NU 2316 ECML**

s	5.1 mm
F	101 mm
d	80 mm
D	170 mm
B	58 mm
Noun	Bearing
Bore	3.15 Inch   80 Millimeter
Width	2.283 Inch   58 Millimeter
UNSPSC	31171547
s max.	5.1 mm
series:	NU23
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	170x80x58
Snap Ring	No
Separable	Inner Ring - Both Sides
Inventory	0.0
bore type:	Straight
Width (mm)	58
maximum rpm:	5000 RPM
Weight / LBS	14.74
Bore Profile	Straight
Mass bearing	6.6 kg
closure type:	Open
Product Group	B04144
D <sub>1</sub>	143.45 mm

Cage Material	Brass
Inch - Metric	Metric
Bearing number	NU 2316 ECML
Relubricatable	Yes
fillet radius:	2 mm
cage material:	Brass
Limiting speed	7500 r/min
bore diameter:	80 mm
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
overall width:	58 mm
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
finish/coating:	Uncoated
Reference speed	4300 r/min
Precision Class	RBEC 1   ISO P0
Limiting value e	0.3
Long Description	80MM Bore; Straight Bore Profile; 170MM Outside Diameter; 58MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inte
ring separation:	Separable Ring
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	6.693 Inch   170 Millimeter
outside diameter:	170 mm
Manufacturer Name	SKF

outer ring width:	58 mm
Weight / Kilogram	6.692
precision rating:	Not Rated
bearing material:	Steel
r <sub>b</sub> max.	2 mm
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2 mm
D <sub>a</sub> max.	157.8 mm
d <sub>b</sub> min.	104 mm
d <sub>a</sub> max.	98 mm
d <sub>a</sub> min.	92 mm
Bore Diameter (mm)	170
Outer Diameter (mm)	80
internal clearance:	C0
Axial load factor Y	0.4
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	2 mm
d <sub>a</sub> - min.	92 mm
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
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
D <sub>1</sub> ?	143.45 mm
static load capacity:	440 kN
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 ECML
Number of Rows of	Single Row

Rollers	
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 $k_r$	0.38
Fatigue load limit - $P_u$	55 kN
Calculation factor - $k_r$	0.38
Basic static load rating $C_0$	440 kN
Basic static load rating - $C_0$	440 kN