



KOYO BEARING LIMITED



NU 316 ECP Bearing 2D drawings and 3D CAD models

80 mm x 170 mm x 39 mm SKF NU 316 ECP Cylindrical Roller Bearings

Bearing No. NU 316 ECP

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	3.924
EAN	7316577109569
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	80MM Bore; Straight Bore Profile; 170MM Outside Diameter; 39MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single



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	Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NU 316 ECP
Weight / LBS	8.644
B	1.535 Inch 39 Millimeter
d	3.15 Inch 80 Millimeter
D	6.693 Inch 170 Millimeter
bore diameter:	80 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	170 mm
maximum rpm:	5000 RPM
overall width:	39 mm
bearing material:	Steel
flanges:	(2) Outer Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	39 mm
operating temperature	Maximum of +300 ° F



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range:	
fillet radius:	2 mm
dynamic load capacity:	300 kN
series:	NU3
static load capacity:	290 kN
d	80 mm
D	170 mm
B	39 mm
D ₁	142.7 mm
F	101 mm
r _{1,2} min.	2.1 mm
r _{3,4} min.	2.1 mm
s max.	2.1 mm
d _a min.	92 mm
d _a max.	98 mm
d _b min.	104 mm
D _a max.	157.8 mm
r _a max.	2 mm
r _b max.	2 mm
Basic dynamic load rating C	300 kN
Basic static load rating C ₀	290 kN
Fatigue load limit P _u	36 kN
Reference speed	4300 r/min
Limiting speed	5000 r/min
Calculation factor k _r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	3.86 kg