



NTN BEARING DRIVESHAFT,INC.



70 mm x 150 mm x 35 mm SKF NUP 314 ECP Cylindrical Roller Bearings

Bearing No. NUP 314 ECP

NUP 314 ECP Bearing 2D drawings and 3D CAD models

Category	Cylindrical Roller Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.93
EAN	7316577031297
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	No
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 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Polymer Cage Material;



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	RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NUP 314 ECP
Weight / LBS	6.451
d	2.756 Inch 70 Millimeter
D	5.906 Inch 150 Millimeter
B	1.378 Inch 35 Millimeter
bore diameter:	70 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	150 mm
maximum rpm:	5600 RPM
overall width:	35 mm
bearing material:	Steel
flanges:	(4) Flanges, Two-Piece Inner 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:	35 mm



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operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	236 kN
series:	NUP3
static load capacity:	228 kN
d	70 mm
D	150 mm
B	35 mm
d ₁	97.3 mm
D ₁	125.6 mm
F	89 mm
r _{1,2} min.	2.1 mm
r _{3,4} min.	2.1 mm
d _a min.	82 mm
d _b min.	100 mm
D _a max.	137.5 mm
r _a max.	2 mm
Basic dynamic load rating C	236 kN
Basic static load rating C ₀	228 kN
Fatigue load limit P _u	29 kN
Reference speed	4800 r/min
Limiting speed	5600 r/min
Calculation factor k _r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	2.87 kg