



# BROWNING BEARING COMPANY



70 mm x 150 mm x 35 mm skf nu 314 ecp bearing

Bearing No. nu 314 ecp

nu 314 ecp Bearing 2D drawings and 3D CAD models

Size	150x70x35 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	35 mm
d	70 mm
D	150 mm
B	35 mm
D <sub>1</sub>	125.6 mm
F	89 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	2.1 mm
s	1.8 mm
d <sub>a</sub> - min.	82 mm
d <sub>a</sub> - max.	86 mm
d <sub>b</sub> - min.	92 mm
D <sub>a</sub> - max.	137.5 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	236 kN
Basic static load rating - C <sub>0</sub>	228 kN
Fatigue load limit - P <sub>u</sub>	29 kN
Reference speed	4800 r/min
Limiting speed	5600 r/min
Calculation factor - k <sub>r</sub>	0.15



## BROWNING BEARING COMPANY

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.75
EAN	7316577022479
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	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single 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



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Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 314 ECP
Weight / LBS	6.063
Width	1.378 Inch   35 Millimeter
Bore	2.756 Inch   70 Millimeter
Outside Diameter	5.906 Inch   150 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:	(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:	35 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	236 kN
series:	NU3
static load capacity:	228 kN
D <sub>1</sub>	125.6 mm
r <sub>1,2</sub> min.	2.1 mm



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$r_{3,4}$ min.	2.1 mm
s max.	1.8 mm
$d_a$ min.	82 mm
$d_a$ max.	86 mm
$d_b$ min.	92 mm
$D_a$ max.	137.5 mm
$r_a$ max.	2 mm
$r_b$ 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
Calculation factor $k_r$	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	2.7 kg