



314 Bearing 2D drawings and 3D CAD models

NIB SKF Bearing NU 314 ECP/C3  
 NU314ECP/C3

Bearing No. 314

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>	93.75 mm
D <sub>2</sub>	129.9 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	82 mm
D <sub>a</sub> - max.	138 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	114 kN
Basic static load rating - C <sub>0</sub>	102 kN
Fatigue load limit - P <sub>u</sub>	4.2 kN
Reference speed	8000 r/min
Limiting speed	5000 r/min
Calculation factor - k <sub>r</sub>	0.05
Category	Single Row Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.64



## Panda Bearing Co., Ltd

EAN	7316576680687
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; Yes Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	314
Weight / LBS	6.17
Outer Race Width	1.378 Inch   35 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
Bore	2.756 Inch   70 Millimeter
bore diameter:	70 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	150 mm
finish/coating:	Uncoated

overall width:	35 mm
cage material:	Steel
bore type:	Round
outer ring width:	35 mm
closure type:	Open
fillet radius:	2 mm
row type & fill slot:	Single Row Filling Slot
maximum rpm:	5000 RPM
internal clearance:	C0
series:	31
dynamic load capacity:	114 kN
thrust application warning:	This product can not be used in Thrust Applications
static load capacity:	102 kN
$d_1$	93.75 mm
$D_2$	129.9 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	82 mm
$D_a$ max.	138 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	114 kN
Basic static load rating $C_0$	102 kN
Fatigue load limit $P_u$	4.15 kN
Calculation factor $k_r$	0.05
Mass bearing	2.75 kg