



## Bearing No. 314

D	150 mm
d	70 mm
B	35 mm
Noun	Bearing
Bore	2.756 Inch   70 Millimeter
UNSPSC	31171504
series:	31
Category	Single Row Ball Bearing
Inventory	1.0
Enclosure	Open
Size (mm)	150x70x35
Snap Ring	No
Width (mm)	35
bore type:	Round
Weight / LBS	6.17
Mass bearing	2.75 kg
maximum rpm:	5000 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Open
D2	129.9 mm
d1	93.75 mm
Keyword String	Ball
bore diameter:	70 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	35 mm
Bearing number	314

Limiting speed	5000 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Reference speed	8000 r/min
Outside Diameter	5.906 Inch   150 Millimeter
Outer Race Width	1.378 Inch   35 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
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
Manufacturer Name	SKF
outer ring width:	35 mm
Weight / Kilogram	2.64
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	150 mm
da min.	82 mm
Da max.	138 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	150
ra max.	2 mm
internal clearance:	C0
Outer Diameter (mm)	70
r1,2 min.	2.1 mm
da - min.	82 mm
ra - max.	2 mm
Da - max.	138 mm

Minimum Buy Quantity	N/A
static load capacity:	102 kN
D2 ?	129.9 mm
d1 ?	93.75 mm
row type & fill slot:	Single Row Filling Slot
dynamic load capacity:	114 kN
r1,2 - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	314
Internal Special Features	No
thrust application warning:	This product can not be used in Thrust Applications
Basic dynamic load rating C	114 kN
Basic dynamic load rating - C	114 kN
Maximum Capacity / Filling Slot	Yes
Fatigue load limit Pu	4.15 kN
Calculation factor kr	0.05
Fatigue load limit - Pu	4.2 kN
Calculation factor - kr	0.05
Basic static load rating C0	102 kN
Basic static load rating - C0	102 kN