



**Bearing No. 6314**

D	150 mm
d	70 mm
B	35 mm
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	150x70x35
Snap Ring	No
Width (mm)	35
Mass bearing	2.55 kg
Weight / LBS	5.64
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	129.9 mm
d <sub>1</sub>	94.95 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6314
Limiting speed	6300 r/min
Reference speed	9500 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
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; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	5.906 Inch   150 Millimeter
Outer Race Width	1.378 Inch   35 Millimeter
Weight / Kilogram	2.56
Manufacturer Name	SKF
D <sub>a</sub> max.	138 mm
r <sub>a</sub> max.	2 mm
Bore Diameter (mm)	150
Internal Clearance	C0-Medium
d <sub>a</sub> min.	82 mm
Outer Diameter (mm)	70
r <sub>1,2</sub> min.	2.1 mm
r <sub>a</sub> - max.	2 mm
d <sub>a</sub> - min.	82 mm
D <sub>a</sub> - max.	138 mm
Minimum Buy Quantity	N/A
d <sub>1</sub> ?	94.95 mm
D <sub>2</sub> ?	129.9 mm
Harmonized Tariff Code	8482.10.50.68
r <sub>1,2</sub> - min.	2.1 mm
Manufacturer Item Number	6314
Internal Special Features	No
Basic dynamic load rating C	111 kN
Basic dynamic load rating - C	111 kN
Maximum Capacity / Filling Slot	No

Fatigue load limit $P_u$	2.75 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.2
Calculation factor - $k_r$	0.03
Fatigue load limit - $P_u$	2.8 kN
Calculation factor - $f_0$	13.2
Basic static load rating $C_0$	68 kN
Basic static load rating - $C_0$	68 kN