



Bearing No. 6314-Z

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	1 Metal Shield
Size (mm)	150x70x35
Snap Ring	No
Width (mm)	35
Mass bearing	2.58 kg
Weight / LBS	5.71
Inch - Metric	Metric
Cage Material	Steel
D ₂	129.9 mm
d ₁	94.95 mm
Product Group	B00308
Keyword String	Ball
Bearing number	6314-Z
Limiting speed	6300 r/min
Reference speed	9500 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outer Race Width	1.378 Inch 35 Millimeter
Long Description	70MM Bore; 150MM Outside Diameter;

	35MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	5.906 Inch 150 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	2.59
d_a max.	94.9 mm
Internal Clearance	C0-Medium
d_a min.	82 mm
D_a max.	138 mm
Bore Diameter (mm)	150
r_a max.	2 mm
Outer Diameter (mm)	70
$r_{1,2}$ min.	2.1 mm
D_a - max.	138 mm
d_a - min.	82 mm
d_a - max.	94.9 mm
r_a - max.	2 mm
Minimum Buy Quantity	N/A
d_1 ?	94.95 mm
D_2 ?	129.9 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	2.1 mm
Manufacturer Item Number	6314-Z
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