



**Bearing No. 6314/C3VL0241**

D	150 mm
d	70 mm
B	35 mm
Bore	2.756 Inch   70 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	150x70x35
Snap Ring	No
Width (mm)	35
bore type:	Round
Weight / LBS	5.663
Mass bearing	2.5 kg
maximum rpm:	6300 RPM
closure type:	Open
D <sub>2</sub>	132 mm
d <sub>1</sub>	94.95 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
overall width:	35 mm
Keyword String	Ball
fillet radius:	2 mm
Other Features	Deep Groove   VL0241 Aluminum Oxide Coated External Surfaces
bore diameter:	70 mm

Bearing number	6314/C3VL0241
Limiting speed	6300 r/min
Precision Class	ABEC 1   ISO P0
finish/coating:	Aluminum Oxide
Rolling Element	Ball Bearing
Reference speed	9500 r/min
Outside Diameter	5.906 Inch   150 Millimeter
Outer Race Width	1.378 Inch   35 Millimeter
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; Electrical Insulation on Outer Ring Internal Special Features; C3-Loose In
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Inner Race Width	0 Inch   0 Millimeter
outer ring width:	35 mm
Weight / Kilogram	2.571
Manufacturer Name	SKF
precision rating:	Not Rated
outside diameter:	150 mm
Bore Diameter (mm)	150
Internal Clearance	C3-Loose
r <sub>a</sub> max.	2 mm
d <sub>a</sub> min.	82 mm
D <sub>a</sub> min.	136 mm
D <sub>a</sub> max.	138 mm
internal clearance:	C3
Outer Diameter (mm)	70

snap ring included:	Without Snap Ring
$d_a$ - min.	82 mm
$D_a$ - min.	136 mm
$r_a$ - max.	2 mm
$D_a$ - max.	138 mm
resistance features:	Current-Insulating Coating
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
static load capacity:	68 kN
$d_1$ ?	94.95 mm
$D_2$ ?	132 mm
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	111 kN
Manufacturer Item Number	6314/C3VL0241
Internal Special Features	Electrical Insulation on Outer Ring
Basic dynamic load rating C	104 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
Fatigue load limit - $P_u$	2.8 kN
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	13
Basic static load rating $C_0$	68 kN
Basic static load rating - $C_0$	68 kN

