



Bearing No. 6314 M/C3VL0241

D	150 mm
d	70 mm
B	35 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Size (mm)	150x70x35
Enclosure	Open
Inventory	0.0
Snap Ring	No
Width (mm)	35
bore type:	Round
Weight / LBS	6.821
Mass bearing	2.94 kg
maximum rpm:	6300 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Brass
D ₂	132 mm
closure type:	Open
d ₁	94.95 mm
Keyword String	Ball
bore diameter:	70 mm
cage material:	Brass
Other Features	Deep Groove VL0241 Aluminum Oxide Coated External Surfaces
fillet radius:	2 mm

overall width:	35 mm
Bearing number	6314 M/C3VL0241
Limiting speed	6300 r/min
Rolling Element	Ball Bearing
finish/coating:	Aluminum Oxide
Precision Class	ABEC 1 ISO P0
Reference speed	9500 r/min
Manufacturer URL	http://www.skf.com
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
Outside Diameter	5.906 Inch 150 Millimeter
Outer Race Width	1.378 Inch 35 Millimeter
Inner Race Width	0 Inch 0 Millimeter
outside diameter:	150 mm
precision rating:	Not Rated
outer ring width:	35 mm
Manufacturer Name	SKF
Weight / Kilogram	3.097
d _a min.	82 mm
D _a min.	136 mm
D _a max.	138 mm
Bore Diameter (mm)	150
Internal Clearance	C3-Loose
r _a max.	2 mm
internal clearance:	C3

Outer Diameter (mm)	70
snap ring included:	Without Snap Ring
d_a - min.	82 mm
resistance features:	Current-Insulating Coating
$r_{1,2}$ min.	2.1 mm
r_a - max.	2 mm
D_a - min.	136 mm
Minimum Buy Quantity	N/A
D_a - max.	138 mm
static load capacity:	68 kN
D_2 ?	132 mm
d_1 ?	94.95 mm
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	111 kN
Manufacturer Item Number	6314 M/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 -	68 kN

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