



USK BEARING COMPANY



SKF Insocoat Bearings, Electrical Insulation Bearings 6314/C3vI0241 Insulated Bearing

Bearing No. 6314/C3vI0241

6314/C3vI0241 Bearing 2D drawings and 3D CAD models

Size	150x70x35 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	35 mm
d	70 mm
D	150 mm
B	35 mm
d ₁	94.95 mm
D ₂	132 mm
d _a - min.	82 mm
D _a - min.	136 mm
D _a - max.	138 mm
r _a - max.	2 mm
Basic dynamic load rating - C	111 kN
Basic static load rating - C ₀	68 kN
Fatigue load limit - P _u	2.8 kN
Reference speed	9500 r/min
Limiting speed	6300 r/min
Calculation factor - k _r	0.03
Calculation factor - f ₀	13
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



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Weight / Kilogram	2.571
EAN	7316571664026
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	Electrical Insulation on Outer Ring
Cage Material	Steel
Internal Clearance	C3-Loose
Inch - Metric	Metric
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
Other Features	Deep Groove VL0241 Aluminum Oxide Coated External Surfaces
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	6314/C3VL0241
Weight / LBS	5.663
Bore	2.756 Inch 70 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter



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Outer Race Width	1.378 Inch 35 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	70 mm
static load capacity:	68 kN
outside diameter:	150 mm
precision rating:	Not Rated
overall width:	35 mm
finish/coating:	Aluminum Oxide
bore type:	Round
outer ring width:	35 mm
closure type:	Open
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	6300 RPM
internal clearance:	C3
series:	63
dynamic load capacity:	111 kN
resistance features:	Current-Insulating Coating
d_1	94.95 mm
D_2	132 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	82 mm
D_a min.	136 mm
D_a max.	138 mm
r_a max.	2 mm
Basic dynamic load rating C	104 kN
Basic static load rating C_0	68 kN
Fatigue load limit P_u	2.75 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.2
Mass bearing	2.5 kg