



AMERICAN BEARING MFG.CORP.



80 mm x 170 mm x 39 mm SKF
6316/C3VL0241
Deepgrooveballbearings,singlerow

Bearing No. 6316/C3VL0241

6316/C3VL0241 Bearing 2D drawings and 3D CAD models

Size	170x80x39 mm
Bore Diameter	170 mm
Outer Diameter	80 mm
Width	39 mm
d	80 mm
D	170 mm
B	39 mm
d ₁	108 mm
D ₂	149 mm
d _a - min.	92 mm
D _a - min.	154 mm
D _a - max.	158 mm
r _a - max.	2 mm
Basic dynamic load rating - C	130 kN
Basic static load rating - C ₀	86.5 kN
Fatigue load limit - P _u	3.2 kN
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor - k _r	0.03
Calculation factor - f ₀	13
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



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Minimum Buy Quantity	N/A
Weight / Kilogram	3.617
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	80MM Bore; 170MM Outside Diameter; 39MM 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	6316/C3VL0241
Weight / LBS	8.154
Bore	3.15 Inch 80 Millimeter
Inner Race Width	0 Inch 0 Millimeter



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Outer Race Width	1.535 Inch 39 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
bore diameter:	80 mm
static load capacity:	86.5 kN
outside diameter:	170 mm
precision rating:	Not Rated
overall width:	39 mm
finish/coating:	Aluminum Oxide
bore type:	Round
outer ring width:	39 mm
closure type:	Open
fillet radius:	2 mm
snap ring included:	Without Snap Ring
maximum rpm:	5300 RPM
internal clearance:	C3
series:	63
dynamic load capacity:	130 kN
resistance features:	Current-Insulating Coating
d_1	108 mm
D_2	149 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	92 mm
D_a min.	154 mm
D_a max.	158 mm
r_a max.	2 mm
Basic dynamic load rating C	124 kN
Basic static load rating C_0	86.5 kN
Fatigue load limit P_u	3.25 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.3
Mass bearing	3.55 kg