



# AMERICAN BEARING MFG.CORP.



85 mm x 180 mm x 41 mm SKF  
6317/C3VL0241  
Deepgrooveballbearings,singlerow

Bearing No. 6317/C3VL0241

6317/C3VL0241 Bearing 2D drawings and 3D CAD models

Size	180x85x41 mm
Bore Diameter	180 mm
Outer Diameter	85 mm
Width	41 mm
d	85 mm
D	180 mm
B	41 mm
d <sub>1</sub>	114.55 mm
D <sub>2</sub>	158 mm
r <sub>1,2</sub> - min.	3 mm
d <sub>a</sub> - min.	99 mm
D <sub>a</sub> - min.	163 mm
D <sub>a</sub> - max.	166 mm
r <sub>a</sub> - max.	2.5 mm
Basic dynamic load rating - C	140 kN
Basic static load rating - C <sub>0</sub>	96.5 kN
Fatigue load limit - P <sub>u</sub>	3.6 kN
Reference speed	8000 r/min
Limiting speed	5000 r/min
Calculation factor - k <sub>r</sub>	0.03
Calculation factor - f <sub>0</sub>	13
Category	Single Row Ball Bearings
Inventory	0.0



## AMERICAN BEARING MFG.CORP.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.27
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	85MM Bore; 180MM Outside Diameter; 41MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6317/C3VL0241
Weight / LBS	4.25
Outside Diameter	7.087 Inch   180 Millimeter



## AMERICAN BEARING MFG.CORP.

Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	1.614 Inch   41 Millimeter
Bore	3.346 Inch   85 Millimeter
bore diameter:	85 mm
static load capacity:	96.5 kN
outside diameter:	180 mm
precision rating:	Not Rated
overall width:	41 mm
finish/coating:	Aluminum Oxide
bore type:	Round
outer ring width:	41 mm
closure type:	Open
fillet radius:	2.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	5000 RPM
internal clearance:	C3
series:	63
dynamic load capacity:	140 kN
resistance features:	Current-Insulating Coating
$d_1$	114.55 mm
$D_2$	158 mm
$r_{1,2}$ min.	3 mm
$d_a$ min.	99 mm
$D_a$ min.	163 mm
$D_a$ max.	166 mm
$r_a$ max.	2.5 mm
Basic dynamic load rating C	133 kN
Basic static load rating $C_0$	96.5 kN
Fatigue load limit $P_u$	3.55 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.3
Mass bearing	4.1 kg



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