



# BEARING CORP.OF AMERICA



6317 Bearing 2D drawings and 3D CAD models

## SKF 6317 Single Row Deep Groove Ball Bearing

Bearing No. 6317

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>	155.4 mm
r <sub>1,2</sub> - min.	3 mm
d <sub>a</sub> - min.	99 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>	13.3
Category	Single Row Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.3



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EAN	7316570154702
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	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	85MM Bore; 180MM Outside Diameter; 41MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
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
Weight / LBS	9.46
Outer Race Width	1.614 Inch   41 Millimeter
Bore	3.346 Inch   85 Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
d <sub>1</sub>	114.55 mm
D <sub>2</sub>	155.4 mm
r <sub>1,2</sub> min.	3 mm
d <sub>a</sub> min.	99 mm



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$D_a$ max.	166 mm
$r_a$ max.	2.5 mm
Basic dynamic load rating C	140 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	4.25 kg