



# NTN BEARINGS INDUSTRY



## 17 mm x 47 mm x 14 mm SKF 6303 Bearing

Bearing No. 6303

6303 Bearing 2D drawings and 3D CAD models

Size	47x17x14 mm
Bore Diameter	47 mm
Outer Diameter	17 mm
Width	14 mm
d	17 mm
D	47 mm
B	14 mm
d <sub>1</sub>	26.52 mm
D <sub>2</sub>	39.58 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	22.6 mm
D <sub>a</sub> - max.	41.4 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	14.3 kN
Basic static load rating - C <sub>0</sub>	6.6 kN
Fatigue load limit - P <sub>u</sub>	0.275 kN
Reference speed	34000 r/min
Limiting speed	22000 r/min
Calculation factor - k <sub>r</sub>	0.03
Calculation factor - f <sub>0</sub>	12
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.11



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EAN	7316577068859
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	17MM Bore; 47MM Outside Diameter; 14MM 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	6303
Weight / LBS	0.25
Bore	0.669 Inch   17 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter
Outer Race Width	0.551 Inch   14 Millimeter
d <sub>1</sub>	26.52 mm
D <sub>2</sub>	39.58 mm
r <sub>1,2</sub> min.	1 mm
d <sub>a</sub> min.	22.6 mm



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$D_a$ max.	41.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating $C_0$	6.55 kN
Fatigue load limit $P_u$	0.275 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	12
Mass bearing	0.11 kg