



NTN BEARINGS INDUSTRY

17 mm x 47 mm x 14 mm NTN 6303 Bearing



Bearing No. 6303

Size	17x47x14 mm
Bore Diameter	17 mm
Outer Diameter	47 mm
Width	14 mm
d	17 mm
D	47 mm
B	14 mm
C	14 mm
r min.	1 mm
da min.	22 mm
da max	25 mm
Da max.	42 mm
ra max.	1 mm
Weight	0,115 Kg
Basic dynamic load rating (C)	13,5 kN
Basic static load rating (C0)	6,55 kN
(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	19 000 r/min
rs min	1 mm
Radial clearance class	CN
Mass	0.12 kg
Dynamic load, C	13.5 kN
Static load, C0	6.55 kN
Fatigue limit load, Cu	0.3 kN
f0	12.2
Nlim (oil)	19,000 rpm

6303 Bearing 2D drawings and 3D CAD models



NTN BEARINGS INDUSTRY

Nlim (grease)	16,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.36 Hz
Characteristic rolling element frequency, BSF	3.39 Hz
Characteristic outer ring frequency, BPF0	2.54 Hz
Characteristic inner ring frequency, BRF1	4.46 Hz
da min	22 mm
Da max	42 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.114
EAN	4547359005356
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



NTN BEARINGS INDUSTRY

	Outside Diameter; 14MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6303
Weight / LBS	0.254
Outer Race Width	0.551 Inch 14 Millimeter
Bore	0.669 Inch 17 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
bore diameter:	17 mm
precision rating:	Class 0
outside diameter:	47 mm
finish/coating:	Uncoated
overall width:	14 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	14 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	14 mm
snap ring included:	Without Snap Ring



NTN BEARINGS INDUSTRY

maximum rpm (grease):	16000 rpm
internal clearance:	CN
maximum rpm (oil):	19000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1 mm
dynamic load capacity:	16500 N
manufacturer product page:	Click here
static load capacity:	6550 N