



Bearing No. 6303

D	47 mm
d	17 mm
B	14 mm
C	14 mm
f0	12.2
Mass	0.12 kg
Noun	Bearing
Bore	0.669 Inch 17 Millimeter
UNSPSC	31171504
da min	22 mm
Weight	0,115 Kg
rs min	1 mm
Da max	42 mm
r min.	1 mm
ra max	1 mm
da max	25 mm
Da max.	42 mm
ra max.	1 mm
da min.	22 mm
Category	Single Row Ball Bearing
Size (mm)	17x47x14
Snap Ring	No
Enclosure	Open
Inventory	0.0
bore type:	Round
Nlim (oil)	19,000 rpm
Width (mm)	14
Weight / LBS	0.254
Product Group	B00308

Nlim (grease)	16,000 rpm
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	17 mm
Other Features	Deep Groove
overall width:	14 mm
cage material:	Steel
fillet radius:	1 mm
Bearing number	6303
Dynamic load, C	13.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Static load, C0	6.55 kN
finish/coating:	Uncoated
Inner Race Width	0 Inch 0 Millimeter
Long Description	17MM Bore; 47MM 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
Outer Race Width	0.551 Inch 14 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	1.85 Inch 47 Millimeter
Weight / Kilogram	0.114
outer ring width:	14 mm
bearing material:	High Carbon Chrome Steel

outside diameter:	47 mm
precision rating:	Class 0
Manufacturer Name	NTN
inner ring width:	14 mm
Internal Clearance	C0-Medium
maximum rpm (oil):	19000 rpm
Bore Diameter (mm)	17
Outer Diameter (mm)	47
snap ring included:	Without Snap Ring
internal clearance:	CN
Minimum Buy Quantity	N/A
static load capacity:	6550 N
maximum rpm (grease):	16000 rpm
row type & fill slot:	Single Row Non-Fill Slot
Fatigue limit load, Cu	0.3 kN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	16500 N
Radial clearance class	CN
(Oil) Lubrication Speed	19 000 r/min
Manufacturer Item Number	6303
Internal Special Features	No
(Grease) Lubrication Speed	16 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	6,55 kN
Basic dynamic load rating (C)	13,5 kN
Max operating temperature, Tmax	120 °C

Min operating temperature, T _{min}	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.36 Hz
Characteristic outer ring frequency, BPF0	2.54 Hz
Characteristic inner ring frequency, BPF1	4.46 Hz
Characteristic rolling element frequency, BSF	3.39 Hz