



Bearing No. 6303NR

a	2,46 mm
b	1,35 mm
d	17 mm
D	47 mm
B	14 mm
C	14 mm
f	1,12 mm
f0	12.2
D2	52,7 mm
Cy	3,3 mm
Cz	1,2 mm
D1	44,6 mm
Dx	53,5 mm
rn	0,5 mm
Noun	Bearing
Bore	0.669 Inch 17 Millimeter
Mass	0.12 kg
b max	1.65 mm
b min	1.35 mm
a min	2.31 mm
a max	2.46 mm
D4 max	52.7 mm
Ca max	3.58 mm
UNSPSC	31171504
r0 max	0.4 mm
Da max	42 mm
ra max	1 mm
D3 max	44.6 mm
rs min	1 mm

Db min	53.5 mm
da min	22 mm
Ca min	3.43 mm
Weight	0,115 Kg
da max	25 mm
r min.	1 mm
r0 max.	0,4 mm
rNs min	0.5 mm
series:	63
ra max.	1 mm
rNa max	0.5 mm
Da max.	42 mm
da min.	22 mm
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	17x47x14
Snap Ring	Yes
Width (mm)	14
Nlim (oil)	19,000 rpm
bore type:	Round
maximum rpm:	19000 RPM
Weight / LBS	0.2403
Nlim (grease)	16,000 rpm
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Product Group	B00308
cage material:	Steel
Other Features	Deep Groove With Snap Ring
Keyword String	Ball
bore diameter:	17 mm

overall width:	14 mm
fillet radius:	1 mm
Bearing number	6303NR
Dynamic load, C	13.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	6.55 kN
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	1.85 Inch 47 Millimeter
Outer Race Width	0.551 Inch 14 Millimeter
Long Description	17MM Bore; 47MM Outside Diameter; 14MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Inner Race Width	0 Inch 0 Millimeter
outer ring width:	14 mm
inner ring width:	14 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	47 mm
Weight / Kilogram	0.117
precision rating:	ISO Class 0
Manufacturer Name	NTN
maximum rpm (oil):	19000 rpm
Bore Diameter (mm)	17
Internal Clearance	C0-Medium
Snap ring reference	R47

internal clearance:	CN
snap ring included:	With Snap Ring
Outer Diameter (mm)	47
Minimum Buy Quantity	N/A
static load capacity:	6550 N
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	16000 rpm
Radial clearance class	CN
dynamic load capacity:	13500 N
Fatigue limit load, Cu	0.3 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	19 000 r/min
Manufacturer Item Number	6303NR
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
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.36 Hz
Characteristic inner ring frequency, BPI	4.46 Hz

Characteristic outer ring frequency, BPF0	2.54 Hz
Characteristic rolling element frequency, BSF	3.39 Hz