



Bearing No. 6303ZNR

C	14,000 mm
d	17,000 mm
f	1.12 mm
B	14,000 mm
D	47,000 mm
f0	12.2
Mass	0.12 kg
Bore	0.669 Inch 17 Millimeter
Noun	Bearing
b max	1.65 mm
a min	2.31 mm
a max	2.46 mm
b min	1.35 mm
da min	22 mm
Da max	42 mm
ra max	1 mm
D4 max	52.7 mm
UNSPSC	31171504
r0 max	0.4 mm
D3 max	44.6 mm
Ca max	3.58 mm
Ca min	3.43 mm
Db min	53.5 mm
rs min	1 mm
rNs min	0.5 mm
rNa max	0.5 mm
Category	Single Row Ball Bearing
Enclosure	1 Metal Shield
Snap Ring	Yes

Size (mm)	17x47x14
Inventory	0.0
Nlim (oil)	19,000 rpm
bore type:	Round
Width (mm)	14,000
Weight / LBS	0.2403
Inch - Metric	Metric
Nlim (grease)	16,000 rpm
Cage Material	Steel
Product Group	B00308
closure type:	Single Shield
Other Features	Deep Groove With Snap Ring
Bearing number	6303ZNR
Keyword String	Ball
bore diameter:	17 mm
cage material:	Steel
fillet radius:	1 mm
overall width:	14 mm
Dynamic load, C	13.5 kN
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Static load, C0	6.55 kN
Long Description	17MM Bore; 47MM Outside Diameter; 14MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stee
Outside Diameter	1.85 Inch 47 Millimeter

Manufacturer URL	http://www.ntnamerica.com
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.551 Inch 14 Millimeter
outside diameter:	47 mm
inner ring width:	14 mm
outer ring width:	14 mm
precision rating:	ISO Class 0
bearing material:	High Carbon Chrome Steel
Weight / Kilogram	0.115
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	17,000
maximum rpm (oil):	19000 rpm
Snap ring reference	R47
internal clearance:	CN
snap ring included:	With Snap Ring
Outer Diameter (mm)	47,000
Minimum Buy Quantity	N/A
static load capacity:	6550 N
maximum rpm (grease):	16000 rpm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	13500 N
Fatigue limit load, Cu	0.3 kN
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6303ZNR
Internal Special Features	No
manufacturer product page:	Click here

operating temperature range:	-40 to 120 °C
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 outer ring frequency, BPF0	2.54 Hz
Characteristic inner ring frequency, BPF1	4.46 Hz
Characteristic rolling element frequency, BSF	3.39 Hz