



Bearing No. 6307ZNR

D	80,000 mm
d	35,000 mm
B	21,000 mm
C	21,000 mm
f	1.7 mm
f0	13.1
Noun	Bearing
Mass	0.46 kg
Bore	1.378 Inch 35 Millimeter
b min	1.9 mm
a min	3.07 mm
b max	2.2 mm
a max	3.28 mm
UNSPSC	31171504
ra max	1.5 mm
D4 max	86.6 mm
Da max	72 mm
da min	43 mm
D3 max	76.81 mm
r0 max	0.6 mm
rs min	1.5 mm
Ca max	4.98 mm
Ca min	4.67 mm
Db min	88 mm
rNs min	0.5 mm
rNa max	0.5 mm
series:	63
Category	Single Row Ball Bearing
Enclosure	1 Metal Shield

Snap Ring	Yes
Inventory	0.0
Size (mm)	35x80x21
bore type:	Round
Nlim (oil)	10,000 rpm
Width (mm)	21,000
Weight / LBS	1.01
maximum rpm:	10000 RPM
Cage Material	Steel
Nlim (grease)	8,800 rpm
Product Group	B00308
closure type:	Single Shield
Inch - Metric	Metric
Bearing number	6307ZNR
Keyword String	Ball
bore diameter:	35 mm
fillet radius:	1.5 mm
overall width:	21 mm
cage material:	Steel
Static load, C0	19.1 kN
Dynamic load, C	33.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Long Description	35MM Bore; 80MM Outside Diameter; 21MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Outside Diameter	3.15 Inch 80 Millimeter
Manufacturer URL	http://www.ntnamerica.c

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Outer Race Width	0.827 Inch 21 Millimeter
bearing material:	High Carbon Chrome Steel
outer ring width:	21 mm
outside diameter:	80 mm
inner ring width:	21 mm
Weight / Kilogram	0.458
Manufacturer Name	NTN
precision rating:	ISO Class 0
Internal Clearance	C0-Medium
Bore Diameter (mm)	35,000
maximum rpm (oil):	10000 rpm
Outer Diameter (mm)	80,000
Snap ring reference	R80
internal clearance:	CN
snap ring included:	With Snap Ring
Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	19100 N
maximum rpm (grease):	8800 rpm
dynamic load capacity:	33500 N
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Fatigue limit load, Cu	0.87 kN
Manufacturer Item Number	6307ZNR
Internal Special Features	No
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C

Min operating temperature, T _{min}	-20 °C
Max operating temperature, T _{max}	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.38 Hz
Characteristic outer ring frequency, BPF0	3.06 Hz
Characteristic inner ring frequency, BPF1	4.94 Hz
Characteristic rolling element frequency, BSF	4.03 Hz