



**Bearing No. 6307NR**

b	1,9 mm
d	35 mm
D	80 mm
B	21 mm
C	21 mm
f	1,7 mm
a	3,28 mm
D1	76,81 mm
D2	86,6 mm
Cy	4,6 mm
f0	13.1
rn	0,5 mm
Dx	88 mm
Cz	1,7 mm
Bore	1.378 Inch   35 Millimeter
Noun	Bearing
Mass	0.46 kg
b max	2.2 mm
b min	1.9 mm
a min	3.07 mm
a max	3.28 mm
UNSPSC	31171504
D4 max	86.6 mm
Db min	88 mm
da min	43 mm
D3 max	76.81 mm
Da max	72 mm
rs min	1.5 mm
Ca max	4.98 mm

Ca min	4.67 mm
r0 max	0.6 mm
ra max	1.5 mm
da max	47 mm
r min.	1,5 mm
Weight	0,457 Kg
series:	63
r0 max.	0,6 mm
da min.	43 mm
rNa max	0.5 mm
Da max.	72 mm
rNs min	0.5 mm
ra max.	1,5 mm
Category	Single Row Ball Bearing
Size (mm)	35x80x21
Inventory	0.0
Enclosure	Open
Snap Ring	Yes
Nlim (oil)	10,000 rpm
bore type:	Round
Width (mm)	21
Weight / LBS	0.98
maximum rpm:	10000 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Open
Nlim (grease)	8,800 rpm
Keyword String	Ball
Bearing number	6307NR
fillet radius:	1.5 mm
cage material:	Steel

overall width:	21 mm
bore diameter:	35 mm
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Dynamic load, C	33.5 kN
Static load, C0	19.1 kN
Outer Race Width	0.827 Inch   21 Millimeter
Manufacturer URL	<a href="http://www.snrbearings.com">http://www.snrbearings.com</a>
Outside Diameter	3.15 Inch   80 Millimeter
Long Description	35MM Bore; 80MM Outside Diameter; 21MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
bearing material:	High Carbon Chrome Steel
outside diameter:	80 mm
inner ring width:	21 mm
outer ring width:	21 mm
precision rating:	ISO Class 0
Weight / Kilogram	0.45
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	35
maximum rpm (oil):	10000 rpm
internal clearance:	CN
Snap ring reference	R80
snap ring included:	With Snap Ring
Outer Diameter (mm)	80

Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	8800 rpm
static load capacity:	19100 N
dynamic load capacity:	33500 N
Fatigue limit load, Cu	0.87 kN
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	10 000 r/min
Manufacturer Item Number	6307.NR
Internal Special Features	No
(Grease) Lubrication Speed	8 800 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	19,1 kN
Basic dynamic load rating (C)	33,5 kN
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	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	4.03 Hz

element frequency, BSF	
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