



**Bearing No. 6312NR**

f	2,82 mm
d	60 mm
D	130 mm
B	31 mm
C	31 mm
a	4,06 mm
b	3,1 mm
f0	13.2
Cy	6,5 mm
D2	139,7 mm
D1	125,22 mm
Cz	2,9 mm
rn	0,5 mm
Dx	141,5 mm
Noun	Bearing
Mass	1.73 kg
Bore	2.362 Inch   60 Millimeter
b max	3.4 mm
a max	4.06 mm
a min	3.86 mm
b min	3.1 mm
D4 max	139.7 mm
da max	80,5 mm
D3 max	125.22 mm
da min	71 mm
Weight	1,73 Kg
r0 max	0.6 mm
r min.	2,1 mm
UNSPSC	31171504

Da max	119 mm
Db min	141.5 mm
ra max	2 mm
Ca min	6.68 mm
Ca max	6.88 mm
rs min	2.1 mm
rNa max	0.5 mm
rNs min	0.5 mm
ra max.	2 mm
r0 max.	0,6 mm
Da max.	119 mm
da min.	71 mm
Category	Single Row Ball Bearing
Inventory	0.0
Size (mm)	60x130x31
Snap Ring	Yes
Enclosure	Open
Width (mm)	31
bore type:	Round
Nlim (oil)	6,300 rpm
Weight / LBS	3.70376
Product Group	B00308
Nlim (grease)	5,400 rpm
closure type:	Open
Cage Material	Steel
Inch - Metric	Metric
Other Features	Deep Groove   With Snap Ring
overall width:	31 mm
Keyword String	Ball
Bearing number	6312NR
bore diameter:	60 mm
cage material:	Steel

fillet radius:	2 mm
Precision Class	ABEC 1   ISO P0
finish/coating:	Uncoated
Dynamic load, C	82 kN
Rolling Element	Ball Bearing
Static load, C0	52 kN
Outer Race Width	1.22 Inch   31 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Long Description	60MM Bore; 130MM Outside Diameter; 31MM 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
Outside Diameter	5.118 Inch   130 Millimeter
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
outer ring width:	31 mm
outside diameter:	130 mm
precision rating:	ISO Class 0
Weight / Kilogram	1.723
inner ring width:	31 mm
bearing material:	High Carbon Chrome Steel
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	60
maximum rpm (oil):	6300 rpm
Snap ring reference	R130
Outer Diameter (mm)	130
internal clearance:	CN

snap ring included:	With Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	5400 rpm
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	52000 N
Fatigue limit load, Cu	2.36 kN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	82000 N
Radial clearance class	CN
(Oil) Lubrication Speed	6 300 r/min
Manufacturer Item Number	6312NR
Internal Special Features	No
(Grease) Lubrication Speed	5 400 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	52 kN
Basic dynamic load rating (C)	82 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.38 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPF1	4.93 Hz

Characteristic rolling element frequency, BSF	4.09 Hz
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