



**Bearing No. 6024NR**

b	3,5 mm
a	3,71 mm
d	120 mm
D	180 mm
B	28 mm
C	28 mm
f	3,1 mm
Dx	195 mm
D2	192,9 mm
D1	173,66 mm
Cy	6,4 mm
Cz	3,1 mm
rn	0,5 mm
f0	15.9
Mass	2.07 kg
Noun	Bearing
Bore	4.724 Inch   120 Millimeter
a min	3.45 mm
b max	3.8 mm
b min	3.5 mm
a max	3.71 mm
Ca min	6.45 mm
Ca max	6.81 mm
Da max	171 mm
rs min	2 mm
D3 max	173.66 mm
r0 max	0.6 mm
Db min	195 mm
D4 max	192.9 mm

Weight	2,07 Kg
ra max	2 mm
da max	136 mm
da min	129 mm
r min.	2 mm
UNSPSC	31171504
rNa max	0.5 mm
da min.	129 mm
r0 max.	0,6 mm
Da max.	171 mm
ra max.	2 mm
rNs min	0.5 mm
Category	Single Row Ball Bearing
Snap Ring	Yes
Enclosure	Open
Size (mm)	120x180x28
Inventory	0.0
Width (mm)	28
Nlim (oil)	4,100 rpm
Weight / LBS	4.56
Inch - Metric	Metric
Product Group	B00308
Nlim (grease)	3,500 rpm
Cage Material	Steel
Keyword String	Ball
Bearing number	6024NR
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Dynamic load, C	85 kN
Static load, C0	79.5 kN
Outside Diameter	7.087 Inch   180 Millimeter
Outer Race Width	1.102 Inch   28

	Millimeter
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Manufacturer Name	NTN
Weight / Kilogram	2.07
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
Outer Diameter (mm)	180
Snap ring reference	R180
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.68
Fatigue limit load, Cu	2.95 kN
Radial clearance class	CN
(Oil) Lubrication Speed	4 100 r/min
Manufacturer Item Number	6024NR
Internal Special Features	No
(Grease) Lubrication Speed	3 500 r/min
Basic dynamic load rating (C)	85 kN
Basic static load rating (C0)	79,5 kN
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Min operating	-20 °C

temperature, Tmin	
Characteristic cage frequency, FTF	0.44 Hz
Characteristic outer ring frequency, BPF0	6.59 Hz
Characteristic inner ring frequency, BRFI	8.41 Hz
Characteristic rolling element frequency, BSF	8.1 Hz