



**Bearing No. 6024Z**

D	180,000 mm
d	120,000 mm
B	28,000 mm
C	28,000 mm
f0	15.9
Noun	Bearing
Bore	4.724 Inch   120 Millimeter
Mass	2.07 kg
rs min	2 mm
da min	129 mm
UNSPSC	31171504
ra max	2 mm
Da max	171 mm
Category	Single Row Ball Bearing
Enclosure	1 Metal Shield
Inventory	0.0
Snap Ring	No
Size (mm)	120x180x28
Nlim (oil)	4,100 rpm
bore type:	Round
Width (mm)	28,000
Weight / LBS	4.62971
Inch - Metric	Metric
Cage Material	Steel
Nlim (grease)	3,500 rpm
Product Group	B00308
closure type:	Single Shield
cage material:	Steel
Other Features	Deep Groove

Keyword String	Ball
bore diameter:	120 mm
Bearing number	6024Z
overall width:	28 mm
fillet radius:	2 mm
Rolling Element	Ball Bearing
Dynamic load, C	85 kN
finish/coating:	Uncoated
Static load, C0	79.5 kN
Precision Class	ABEC 1   ISO P0
Outer Race Width	1.102 Inch   28 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Ste
Outside Diameter	7.087 Inch   180 Millimeter
precision rating:	ISO Class 0
outer ring width:	28 mm
outside diameter:	180 mm
inner ring width:	28 mm
Manufacturer Name	NTN
bearing material:	High Carbon Chrome Steel
Weight / Kilogram	2.112
Bore Diameter (mm)	120,000

maximum rpm (oil):	4100 rpm
Internal Clearance	C0-Medium
Outer Diameter (mm)	180,000
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	3500 rpm
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	79500 N
Harmonized Tariff Code	8482.10.50.68
Fatigue limit load, Cu	2.95 kN
Radial clearance class	CN
dynamic load capacity:	85000 N
Manufacturer Item Number	6024Z
Internal Special Features	No
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic inner ring frequency, BPF1	8.41 Hz
Characteristic outer ring frequency, BPF0	6.59 Hz
Characteristic rolling element frequency, BSF	8.1 Hz