



Bearing No. 6024

D	180 mm
d	120 mm
B	28 mm
C	28 mm
f0	15.9
Mass	2.07 kg
Bore	4.724 Inch 120 Millimeter
Noun	Bearing
Weight	2,07 Kg
rs min	2 mm
Da max	171 mm
da min	129 mm
UNSPSC	31171504
r min.	2 mm
ra max	2 mm
da max	136 mm
Da max.	171 mm
ra max.	2 mm
da min.	129 mm
series:	60
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	120x180x28
Snap Ring	No
Nlim (oil)	4,100 rpm
Width (mm)	28
bore type:	Round
Weight / LBS	4.56

maximum rpm:	4100 RPM
Cage Material	Steel
Nlim (grease)	3,500 rpm
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
Bearing number	6024
Other Features	Deep Groove
Keyword String	Ball
bore diameter:	120 mm
overall width:	28 mm
cage material:	Steel
fillet radius:	2 mm
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Static load, C0	79.5 kN
Dynamic load, C	85 kN
Manufacturer URL	http://www.ntnamerica.com
Long Description	120MM Bore; 180MM Outside Diameter; 28MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Outside Diameter	7.087 Inch 180 Millimeter
Outer Race Width	1.102 Inch 28 Millimeter
Inner Race Width	0 Inch 0 Millimeter
outer ring width:	28 mm

inner ring width:	28 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	180 mm
Weight / Kilogram	2.122
precision rating:	Class 0
Manufacturer Name	NTN
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
maximum rpm (oil):	4100 rpm
snap ring included:	Without Snap Ring
Outer Diameter (mm)	180
internal clearance:	CN
Minimum Buy Quantity	N/A
static load capacity:	79500 N
maximum rpm (grease):	3500 rpm
row type & fill slot:	Single Row Non-Fill Slot
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Fatigue limit load, Cu	2.95 kN
dynamic load capacity:	85000 N
(Oil) Lubrication Speed	4 100 r/min
Manufacturer Item Number	6024
Internal Special Features	No
(Grease) Lubrication Speed	3 500 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	79,5 kN

Basic dynamic load rating (C)	85 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
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