



Bearing No. 6307

D	80 mm
d	35 mm
B	21 mm
C	21 mm
f0	13.1
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
Mass	0.46 kg
Da max	72 mm
UNSPSC	31171504
r min.	1,5 mm
rs min	1.5 mm
da max	47 mm
da min	43 mm
Weight	0,457 Kg
ra max	1.5 mm
Da max.	72 mm
ra max.	1,5 mm
da min.	43 mm
series:	63
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	35x80x21
Nlim (oil)	10,000 rpm
bore type:	Round
Width (mm)	21
Weight / LBS	1.008

maximum rpm:	10000 RPM
Nlim (grease)	8,800 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	35 mm
cage material:	Steel
fillet radius:	1.5 mm
overall width:	21 mm
Bearing number	6307
Dynamic load, C	33.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	19.1 kN
Manufacturer URL	http://www.ntnamerica.com
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; No Snap Ring; No Internal Special Features
Outer Race Width	0.827 Inch 21 Millimeter
outer ring width:	21 mm
inner ring width:	21 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	80 mm

Weight / Kilogram	0.456
precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	10000 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	35
Outer Diameter (mm)	80
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	8800 rpm
static load capacity:	19100 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	33500 N
Fatigue limit load, Cu	0.87 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	10 000 r/min
Manufacturer Item Number	6307
Internal Special Features	No
(Grease) Lubrication Speed	8 800 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	19,1 kN
Basic dynamic load rating (C)	33,5 kN
Max operating temperature, Tmax	120 °C
Min operating	-20 °C

temperature, Tmin	
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.38 Hz
Characteristic inner ring frequency, BPF1	4.94 Hz
Characteristic outer ring frequency, BPF0	3.06 Hz
Characteristic rolling element frequency, BSF	4.03 Hz