



Bearing No. 6208ZNR

C	18,000 mm
D	80,000 mm
f	1.7 mm
B	18,000 mm
d	40,000 mm
f0	14
Bore	1.575 Inch 40 Millimeter
Mass	0.37 kg
Noun	Bearing
b max	2.2 mm
a min	3.07 mm
a max	3.28 mm
b min	1.9 mm
Da max	73.5 mm
ra max	1 mm
da min	46.5 mm
D4 max	86.6 mm
UNSPSC	31171504
r0 max	0.6 mm
D3 max	76.81 mm
Ca max	4.98 mm
Ca min	4.67 mm
Db min	88 mm
rs min	1.1 mm
rNs min	0.5 mm
rNa max	0.5 mm
Category	Single Row Ball Bearing
Enclosure	1 Metal Shield
Snap Ring	Yes

Size (mm)	40x80x18
Inventory	0.0
Nlim (oil)	10,000 rpm
bore type:	Round
Width (mm)	18,000
Weight / LBS	0.807
Cage Material	Steel
Nlim (grease)	8,700 rpm
Inch - Metric	Metric
Product Group	B00308
closure type:	Single Shield
Other Features	Deep Groove With Snap Ring
Bearing number	6208ZNR
Keyword String	Ball
bore diameter:	40 mm
cage material:	Steel
fillet radius:	1.1 mm
overall width:	18 mm
Dynamic load, C	29.1 kN
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Static load, C0	17.8 kN
Long Description	40MM Bore; 80MM Outside Diameter; 18MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel
Manufacturer URL	http://www.ntnamerica.com

Outside Diameter	3.15 Inch 80 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	0.709 Inch 18 Millimeter
outside diameter:	80 mm
inner ring width:	18 mm
outer ring width:	18 mm
precision rating:	ISO Class 0
bearing material:	High Carbon Chrome Steel
Weight / Kilogram	0.371
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	40,000
maximum rpm (oil):	10000 rpm
Snap ring reference	R80
internal clearance:	CN
snap ring included:	With Snap Ring
Outer Diameter (mm)	80,000
Minimum Buy Quantity	N/A
static load capacity:	17800 N
maximum rpm (grease):	8700 rpm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	29100 N
Fatigue limit load, Cu	0.81 kN
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6208ZNR
Internal Special Features	No
manufacturer product page:	Click here
operating temperature	-40 to 120 °C

range:	
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	3.61 Hz
Characteristic inner ring frequency, BPFI	5.39 Hz
Characteristic rolling element frequency, BSF	4.84 Hz