



## Double BALL BEARINGS CO, LTD



6208ZNR Bearing 2D drawings and 3D CAD models

40,000 mm x 80,000 mm x 18,000 mm NTN  
6208ZNR deep groove ball bearings

Bearing No. 6208ZNR

Size	40x80x18 mm
Bore Diameter	40,000 mm
Outer Diameter	80,000 mm
Width	18,000 mm
d	40,000 mm
D	80,000 mm
B	18,000 mm
C	18,000 mm
a min	3.07 mm
a max	3.28 mm
Ca min	4.67 mm
Ca max	4.98 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	76.81 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	86.6 mm
f	1.7 mm
Snap ring reference	R80
Radial clearance class	CN
Mass	0.37 kg
Dynamic load, C	29.1 kN
Static load, C0	17.8 kN



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Fatigue limit load, Cu	0.81 kN
f0	14
Nlim (oil)	10,000 rpm
Nlim (grease)	8,700 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.84 Hz
Characteristic outer ring frequency, BPF0	3.61 Hz
Characteristic inner ring frequency, BPF1	5.39 Hz
da min	46.5 mm
Da max	73.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	88 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.371
EAN	4547359363531
Product Group	B00308
Enclosure	1 Metal Shield
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes



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Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
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; Stee
Other Features	Deep Groove   With Snap Ring
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6208ZNR
Weight / LBS	0.807
Outside Diameter	3.15 Inch   80 Millimeter
Bore	1.575 Inch   40 Millimeter
Outer Race Width	0.709 Inch   18 Millimeter
Inner Race Width	0 Inch   0 Millimeter
bore diameter:	40 mm
precision rating:	ISO Class 0
outside diameter:	80 mm
finish/coating:	Uncoated
overall width:	18 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round



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cage material:	Steel
closure type:	Single Shield
inner ring width:	18 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	18 mm
snap ring included:	With Snap Ring
maximum rpm (grease):	8700 rpm
internal clearance:	CN
maximum rpm (oil):	10000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	29100 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	17800 N