



Bearing No. 6308ZNR

D	90,000 mm
d	40,000 mm
B	23,000 mm
C	23,000 mm
f	2.46 mm
f0	13.2
Noun	Bearing
Mass	0.63 kg
Bore	1.575 Inch 40 Millimeter
b min	2.7 mm
a min	3.07 mm
b max	3 mm
a max	3.28 mm
UNSPSC	31171504
ra max	1.5 mm
D4 max	96.5 mm
Da max	82 mm
da min	48 mm
D3 max	86.79 mm
r0 max	0.6 mm
rs min	1.5 mm
Ca max	5.74 mm
Ca min	5.43 mm
Db min	98 mm
rNs min	0.5 mm
rNa max	0.5 mm
series:	63
Category	Single Row Ball Bearing
Enclosure	1 Metal Shield

Snap Ring	Yes
Inventory	0.0
Size (mm)	40x90x23
bore type:	Round
Nlim (oil)	9,200 rpm
Width (mm)	23,000
Weight / LBS	1.4
maximum rpm:	9200 RPM
Cage Material	Steel
Nlim (grease)	7,800 rpm
Product Group	B00308
closure type:	Single Shield
Inch - Metric	Metric
Bearing number	6308ZNR
Keyword String	Ball
bore diameter:	40 mm
fillet radius:	1.5 mm
overall width:	23 mm
cage material:	Steel
Static load, C0	24 kN
Dynamic load, C	40.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Long Description	40MM Bore; 90MM Outside Diameter; 23MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Outside Diameter	3.543 Inch 90 Millimeter

Manufacturer URL	http://www.ntnamerica.com
Outer Race Width	0.906 Inch 23 Millimeter
bearing material:	High Carbon Chrome Steel
outer ring width:	23 mm
outside diameter:	90 mm
inner ring width:	23 mm
Weight / Kilogram	0.637
Manufacturer Name	NTN
precision rating:	ISO Class 0
Internal Clearance	C3-Loose
Bore Diameter (mm)	40,000
maximum rpm (oil):	9200 rpm
Outer Diameter (mm)	90,000
Snap ring reference	R90
internal clearance:	CN
snap ring included:	With Snap Ring
Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	24000 N
maximum rpm (grease):	7800 rpm
dynamic load capacity:	40500 N
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Fatigue limit load, Cu	1.09 kN
Manufacturer Item Number	6308ZNR
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	0.38 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPFI	4.93 Hz
Characteristic rolling element frequency, BSF	4.08 Hz