



Bearing No. 6318Z

D	190,000 mm
d	90,000 mm
B	43,000 mm
C	43,000 mm
f0	13.3
Mass	4.91 kg
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
ra max	2.5 mm
Da max	177 mm
da min	103 mm
UNSPSC	31171504
rs min	3 mm
Category	Single Row Ball Bearing
Size (mm)	90x190x43
Snap Ring	No
Enclosure	1 Metal Shield
Inventory	0.0
Nlim (oil)	4,200 rpm
Width (mm)	43,000
Weight / LBS	11.1816
Nlim (grease)	3,600 rpm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
Keyword String	Ball
Other Features	Deep Groove
Bearing number	6318Z
Precision Class	ABEC 1 ISO P0

Static load, C0	107 kN
Rolling Element	Ball Bearing
Dynamic load, C	143 kN
Outside Diameter	7.48 Inch 190 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outer Race Width	1.693 Inch 43 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stee
Weight / Kilogram	4.915
Manufacturer Name	NTN
Bore Diameter (mm)	90,000
Internal Clearance	C0-Medium
Outer Diameter (mm)	190,000
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Fatigue limit load, Cu	4.1 kN
Manufacturer Item Number	6318Z
Internal Special Features	No
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C

Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.39 Hz
Characteristic outer ring frequency, BPF0	3.09 Hz
Characteristic inner ring frequency, BPF1	4.91 Hz
Characteristic rolling element frequency, BSF	4.18 Hz