



Bearing No. 6944

D	300 mm
d	220 mm
B	38 mm
C	38 mm
f0	16.4
Mass	7.69 kg
Bore	8.661 Inch 220 Millimeter
Noun	Bearing
UNSPSC	31171504
ra max	2 mm
rs min	2.1 mm
da min	231 mm
Da max	289 mm
db min	231 mm
Weight	7,69 Kg
r min.	2,1 mm
ra max.	2 mm
Da max.	289 mm
Category	Single Row Ball Bearing
Size (mm)	220x300x38
Inventory	0.0
Snap Ring	No
Enclosure	Open
Nlim (oil)	2,300 rpm
Width (mm)	38
Weight / LBS	17.371
Nlim (grease)	2,000 rpm
Inch - Metric	Metric
Cage Material	Steel

Product Group	B00308
Keyword String	Ball
Bearing number	6944
Static load, C0	180 kN
Dynamic load, C	160 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Long Description	220MM Bore; 300MM Outside Diameter; 38MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer URL	http://www.ntnamerica.com
Outer Race Width	1.496 Inch 38 Millimeter
Outside Diameter	11.811 Inch 300 Millimeter
Weight / Kilogram	7.89
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	220
Outer Diameter (mm)	300
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Fatigue limit load, Cu	5.1 kN
(Oil) Lubrication Speed	2 300 r/min
Manufacturer Item Number	6944
Internal Special Features	No
(Grease) Lubrication	2 000 r/min

Speed	
Basic static load rating (C0)	180 kN
Basic dynamic load rating (C)	160 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.45 Hz
Characteristic inner ring frequency, BPF1	9.33 Hz
Characteristic outer ring frequency, BPF0	7.67 Hz
Characteristic rolling element frequency, BSF	10.14 Hz