



Bearing No. 6840

D	250 mm
d	200 mm
B	24 mm
C	24 mm
f0	16.1
Noun	Bearing
Bore	7.874 Inch 200 Millimeter
Mass	2.73 kg
Da max	242 mm
UNSPSC	31171504
rs min	1.5 mm
da min	208 mm
db min	208 mm
Weight	2,73 Kg
r min.	1,5 mm
ra max	1.5 mm
ra max.	1,5 mm
Da max.	242 mm
series:	68
Category	Single Row Ball Bearing
Size (mm)	200x250x24
Snap Ring	No
Enclosure	Open
Inventory	0.0
bore type:	Round
Nlim (oil)	2,700 rpm
Width (mm)	24
Weight / LBS	5.945
Nlim (grease)	2,300 rpm

Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
overall width:	24 mm
cage material:	Brass
fillet radius:	1.5 mm
bore diameter:	200 mm
Bearing number	6840
Dynamic load, C	74 kN
Static load, C0	91.5 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Long Description	200MM Bore; 250MM Outside Diameter; 24MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outer Race Width	0.945 Inch 24 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	9.843 Inch 250 Millimeter
Weight / Kilogram	2.7
inner ring width:	24 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	250 mm
precision rating:	Class 0
Manufacturer Name	NTN

outer ring width:	24 mm
Internal Clearance	C0-Medium
maximum rpm (oil):	2700 rpm
Bore Diameter (mm)	200
snap ring included:	Without Snap Ring
internal clearance:	CN
Outer Diameter (mm)	250
Minimum Buy Quantity	N/A
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	91500 N
maximum rpm (grease):	2300 rpm
Radial clearance class	CN
Fatigue limit load, Cu	2.75 kN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	74000 N
(Oil) Lubrication Speed	2 700 r/min
Manufacturer Item Number	6840
Internal Special Features	No
manufacturer product page:	Click here
(Grease) Lubrication Speed	2 300 r/min
operating temperature range:	-40 to 120 °C
Basic dynamic load rating (C)	74 kN
Basic static load rating (C0)	91,5 kN
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Min operating	-20 °C

temperature, Tmin	
Characteristic cage frequency, FTF	0.47 Hz
Characteristic outer ring frequency, BPF0	11.66 Hz
Characteristic inner ring frequency, BPF1	13.34 Hz
Characteristic rolling element frequency, BSF	14.85 Hz