



Bearing No. 6810

D	65 mm
d	50 mm
B	7 mm
C	7 mm
f0	16.1
Bore	1.969 Inch 50 Millimeter
Mass	0.05 kg
Noun	Bearing
UNSPSC	31171504
ra max	0.3 mm
rs min	0.3 mm
da min	52 mm
Da max	63 mm
da max	54 mm
Weight	0,052 Kg
r min.	0,3 mm
ra max.	0,3 mm
Da max.	63 mm
da min.	52 mm
Category	Single Row Ball Bearing
Size (mm)	50x65x7
Inventory	0.0
Snap Ring	No
Enclosure	Open
Nlim (oil)	11,000 rpm
Width (mm)	7
Weight / LBS	0.115
Nlim (grease)	9,600 rpm
Inch - Metric	Metric

Cage Material	Steel
Product Group	B00308
Keyword String	Ball
Bearing number	6810
Static load, C0	6.1 kN
Dynamic load, C	6.6 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Long Description	50MM Bore; 65MM Outside Diameter; 7MM 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	0.276 Inch 7 Millimeter
Outside Diameter	2.559 Inch 65 Millimeter
Weight / Kilogram	0.052
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	50
Outer Diameter (mm)	65
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Fatigue limit load, Cu	0.28 kN
(Oil) Lubrication Speed	11 000 r/min
Manufacturer Item Number	6810
Internal Special Features	No
(Grease) Lubrication	9 600 r/min

Speed	
Basic static load rating (C0)	6,1 kN
Basic dynamic load rating (C)	6,6 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.46 Hz
Characteristic outer ring frequency, BPF0	11.17 Hz
Characteristic inner ring frequency, BRFI	12.83 Hz
Characteristic rolling element frequency, BSF	14.42 Hz