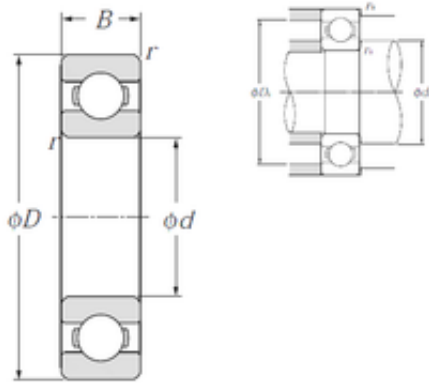




# American Bearing Co., Ltd

## 22209H/HK Self-aligning Roller Bearing

Bearing No. 6814



6814 Bearing 2D drawings and 3D CAD models

Size	70x90x10 mm
Bore Diameter	70 mm
Outer Diameter	90 mm
Width	10 mm
d	70 mm
D	90 mm
B	10 mm
C	10 mm
r min.	0,6 mm
da min.	74 mm
da max	75,5 mm
Da max.	86 mm
ra max.	0,6 mm
Weight	0,137 Kg
Basic dynamic load rating (C)	12,1 kN
Basic static load rating (C0)	11,9 kN
(Grease) Lubrication Speed	6 900 r/min
(Oil) Lubrication Speed	8 100 r/min
rs min	0.6 mm
Radial clearance class	CN
Mass	0.14 kg
Dynamic load, C	12.1 kN
Static load, C0	11.9 kN
Fatigue limit load, Cu	0.54 kN
f0	16.1
Nlim (oil)	8,100 rpm



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Nlim (grease)	6,900 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	14.33 Hz
Characteristic outer ring frequency, BPF0	11.17 Hz
Characteristic inner ring frequency, BPF1	12.83 Hz
da min	74 mm
Da max	86 mm
ra max	0.6 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.136
EAN	4547359006339
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	70MM Bore; 90MM



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	Outside Diameter; 10MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6814
Weight / LBS	0.301
Outer Race Width	0.394 Inch   10 Millimeter
Bore	2.756 Inch   70 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
bore diameter:	70 mm
finish/coating:	Uncoated
outside diameter:	90 mm
bearing material:	High Carbon Chrome Steel
overall width:	10 mm
cage material:	Steel
bore type:	Round
inner ring width:	10 mm
closure type:	Open
outer ring width:	10 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	6900 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	8100 rpm
internal clearance:	CN
fillet radius:	0.6 mm



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operating temperature range:	-40 to 120 ° C
maximum rpm:	8700 RPM
dynamic load capacity:	12100 N
series:	68
static load capacity:	11900 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0