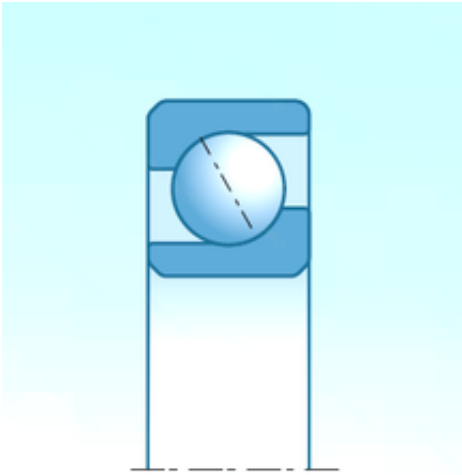




Bearing No. 7414BG

D	180,000 mm
d	70,000 mm
B	42,000 mm
C	42,000 mm
Mass	5.7 kg
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	1.654 Inch 42 Millimeter
da min	402 mm
Da max	166 mm
Db max	173 mm
UNSPSC	31171531
ra max	2.5 mm
rs min	3 mm
r1s min	1.1 mm
r1a max	1 mm
series:	74B
weight:	5.700 kg
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	70x180x42
Enclosure	Open
bore type:	Round
Width (mm)	42,000
Weight / LBS	12.597
Flush Ground	Yes
maximum rpm:	4100 rpm

Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Steel
closure type:	Open
Keyword String	Angular Contact
overall width:	42 mm
cage material:	Brass
contact angle:	40 °
fillet radius:	2.5 mm
bore diameter:	70 mm
Bearing number	7414BG
Static load, C0	109 kN
Dynamic load, C	139 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Long Description	70MM Bore; 180MM Outside Diameter; 42MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring
Contact angle ?	40 °
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	7.087 Inch 180 Millimeter
outside diameter:	180 mm
bearing material:	High Carbon Chrome Steel
outer ring width:	42 mm
precision rating:	ISO Class 0

Weight / Kilogram	5.72
Manufacturer Name	NTN
Bore Diameter (mm)	70,000
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Outer Diameter (mm)	180,000
snap ring included:	Without Snap Ring
internal clearance:	C0
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
row type & fill slot:	Single-Row Non-Fill Slot
Harmonized Tariff Code	8482.10.50.28
Radial clearance class	CN
Fatigue limit load, Cu	4.45 kN
Number of Rows of Balls	Single Row
Manufacturer Item Number	7414BG
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
radial static load capacity:	110800 N
radial dynamic load capacity:	138000 N
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	4.03 Hz

Characteristic inner ring frequency, BPFI	5.97 Hz
Characteristic rolling element frequency, BSF	3.79 Hz