



Bearing No. 7007

B	14 mm
a	21 mm
C	14 mm
d	35 mm
D	62 mm
Mass	0.18 kg
Noun	Bearing
Bore	1.378 Inch 35 Millimeter
Width	0.551 Inch 14 Millimeter
db min	40,5 mm
da min	40.5 mm
Db max	57.5 mm
rs min	1 mm
ra max	1 mm
UNSPSC	31171531
Weight	0,18 Kg
Da max	56.5 mm
r min.	1 mm
ra max.	1 mm
weight:	0.174 kg
da min.	40,5 mm
r1 min.	0,6 mm
r1a max	0.6 mm
r1s min	0.6 mm
series:	70
Category	Angular Contact Ball Bearing
Snap Ring	No
Inventory	0.0

Size (mm)	35x62x14
Enclosure	Open
Nlim (oil)	16,000 rpm
Width (mm)	14
bore type:	Round
maximum rpm:	16000 rpm
Flush Ground	No
Nlim (grease)	12,000 rpm
Cage Material	Steel
Contact Angle	30 Degree
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
Keyword String	Angular Contact
cage material:	Nylon
overall width:	14 mm
fillet radius:	1 mm
bore diameter:	35 mm
contact angle:	30 °
Bearing number	7007
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Dynamic load, C	17.5 kN
Static load, C0	12.6 kN
Angle (?)	25 °
Precision Class	ABEC 1 ISO P0
Long Description	35MM Bore; 62MM Outside Diameter; 14MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1

	(Single)
Contact angle ?	30 °
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	2.441 Inch 62 Millimeter
outer ring width:	14 mm
Weight / Kilogram	0.174
bearing material:	High Carbon Chrome Steel
outside diameter:	62 mm
Manufacturer Name	NTN
precision rating:	ISO Class 0
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Bore Diameter (mm)	35
snap ring included:	Without Snap Ring
Outer Diameter (mm)	62
internal clearance:	C0
Minimum Buy Quantity	N/A
row type & fill slot:	Single-Row Non-Fill Slot
Fatigue limit load, Cu	0.57 kN
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7007
manufacturer product page:	Click here
(Grease) Lubrication Speed	12 000 r/min
operating temperature range:	-40 to 120 °C
radial static load capacity:	12600 N
Basic static load rating	12,6 kN

(C0)	
Basic dynamic load rating (C)	17,5 kN
radial dynamic load capacity:	17500 N
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.43 Hz
Characteristic outer ring frequency, BPF0	6.44 Hz
Characteristic inner ring frequency, BRFI	8.56 Hz
Characteristic rolling element frequency, BSF	5.99 Hz