



### Bearing No. 7004

B	12 mm
a	15 mm
C	12 mm
d	20 mm
D	42 mm
Mass	0.08 kg
Noun	Bearing
Bore	0.787 Inch   20 Millimeter
Width	0.472 Inch   12 Millimeter
db min	24,5 mm
da min	24.5 mm
Db max	39.5 mm
rs min	0.6 mm
ra max	0.6 mm
UNSPSC	31171531
Weight	0,08 Kg
Da max	37.5 mm
r min.	0,6 mm
ra max.	0,6 mm
weight:	0.074 kg
da min.	24,5 mm
r1 min.	0,3 mm
r1a max	0.3 mm
r1s min	0.3 mm
series:	70
Category	Angular Contact Ball Bearing
Snap Ring	No
Inventory	4.0

Size (mm)	20x42x12
Enclosure	Open
Nlim (oil)	25,000 rpm
Width (mm)	12
bore type:	Round
maximum rpm:	25000 rpm
Flush Ground	No
Nlim (grease)	19,000 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:	12 mm
fillet radius:	0.6 mm
bore diameter:	20 mm
contact angle:	30 °
Bearing number	7004
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Dynamic load, C	9.7 kN
Static load, C0	5.6 kN
Angle (?)	25 °
Precision Class	ABEC 1   ISO P0
Long Description	20MM Bore; 42MM Outside Diameter; 12MM 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	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outside Diameter	1.654 Inch   42 Millimeter
outer ring width:	12 mm
Weight / Kilogram	0.074
bearing material:	High Carbon Chrome Steel
outside diameter:	42 mm
Manufacturer Name	NTN
precision rating:	ISO Class 0
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Bore Diameter (mm)	20
snap ring included:	Without Snap Ring
Outer Diameter (mm)	42
internal clearance:	C0
Minimum Buy Quantity	N/A
row type & fill slot:	Single-Row Non-Fill Slot
Fatigue limit load, Cu	0.25 kN
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7004
manufacturer product page:	<a href="#">Click here</a>
(Grease) Lubrication Speed	19 000 r/min
operating temperature range:	-40 to 120 °C
radial static load capacity:	5600 N
Basic static load rating	5,6 kN

(C0)	
Basic dynamic load rating (C)	9,7 kN
radial dynamic load capacity:	9700 N
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.41 Hz
Characteristic outer ring frequency, BPF0	4.54 Hz
Characteristic inner ring frequency, BRFI	6.46 Hz
Characteristic rolling element frequency, BSF	4.81 Hz