



NTN-SNR BEARING RULMENTI S.R.L.

20 mm x 42 mm x 12 mm NTN 7004 Single row or matched pairs of angular contact ball bearings



7004 Bearing 2D drawings and 3D CAD models

Bearing No. 7004

Size	20x42x12 mm
Bore Diameter	20 mm
Outer Diameter	42 mm
Width	12 mm
d	20 mm
D	42 mm
B	12 mm
C	12 mm
Angle (°)	25 °
a	15 mm
r min.	0,6 mm
r1 min.	0,3 mm
da min.	24,5 mm
db min	24,5 mm
ra max.	0,6 mm
Weight	0,08 Kg
Basic dynamic load rating (C)	9,7 kN
Basic static load rating (C0)	5,6 kN
(Grease) Lubrication Speed	19 000 r/min
Contact angle	30 °
rs min	0.6 mm
r1s min	0.3 mm
Mass	0.08 kg
Dynamic load, C	9.7 kN
Static load, C0	5.6 kN



NTN-SNR BEARING RULMENTI S.R.L.

Fatigue limit load, Cu	0.25 kN
Nlim (oil)	25,000 rpm
Nlim (grease)	19,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	4.81 Hz
Characteristic outer ring frequency, BPF0	4.54 Hz
Characteristic inner ring frequency, BRFI	6.46 Hz
da min	24.5 mm
Da max	37.5 mm
Db max	39.5 mm
r1a max	0.3 mm
ra max	0.6 mm
Category	Angular Contact Ball Bearings
Inventory	4.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.074
Product Group	B00308
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No



NTN-SNR BEARING RULMENTI S.R.L.

Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
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)
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	7004
Outside Diameter	1.654 Inch 42 Millimeter
Bore	0.787 Inch 20 Millimeter
Width	0.472 Inch 12 Millimeter
bore diameter:	20 mm
radial static load capacity:	5600 N
outside diameter:	42 mm
operating temperature range:	-40 to 120 ° C
overall width:	12 mm
cage material:	Nylon
contact angle:	30 °
outer ring width:	12 mm
row type & fill slot:	Single-Row Non-Fill Slot



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maximum rpm:	25000 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
series:	70
bearing material:	High Carbon Chrome Steel
weight:	0.074 kg
radial dynamic load capacity:	9700 N
manufacturer product page:	Click here