



NTN BEARING CORP.OF

110 mm x 170 mm x 28 mm NTN 7022 Angular Contact Ball Bearings (Single, Duplex)



Bearing No. 7022

Size	110x170x28 mm
Bore Diameter	110 mm
Outer Diameter	170 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
C	28 mm
Angle (°)	25 °
a	54,5 mm
r min.	2 mm
r1 min.	1 mm
da min.	120 mm
db min	120 mm
ra max.	2 mm
Weight	2,3 Kg
Basic dynamic load rating (C)	92 kN
Basic static load rating (C0)	93 kN
(Grease) Lubrication Speed	3 900 r/min
Contact angle	30 °
rs min	2 mm
r1s min	1 mm
Mass	2.3 kg
Dynamic load, C	92 kN
Static load, C0	93 kN

7022 Bearing 2D drawings and 3D CAD models



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Fatigue limit load, Cu	3.55 kN
Nlim (oil)	5,300 rpm
Nlim (grease)	3,900 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.57 Hz
Characteristic outer ring frequency, BPF0	8.87 Hz
Characteristic inner ring frequency, BRFI	11.13 Hz
da min	120 mm
Da max	160 mm
Db max	164.5 mm
r1a max	1 mm
ra max	2 mm
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	2.21
EAN	4547359434996
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



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Snap Ring	No
Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	110MM Bore; 170MM Outside Diameter; 28MM 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	7022
Width	1.102 Inch 28 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
Bore	4.331 Inch 110 Millimeter