



NTN BEARING-MALAYSIA SDN.BHD.

NTN Bearing Pair 7003 Ucdb/Gnp4 Angular Contact Ball Bearing



Bearing No. 7003

Size	17x35x10 mm
Bore Diameter	17 mm
Outer Diameter	35 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
Angle (°)	25 °
a	12,5 mm
r min.	0,3 mm
r1 min.	0,15 mm
da min.	19,5 mm
db min	19,5 mm
ra max.	0,3 mm
Weight	0,046 Kg
Basic dynamic load rating (C)	7,15 kN
Basic static load rating (C0)	3,85 kN
(Grease) Lubrication Speed	21 000 r/min
Contact angle	30 °
rs min	0.3 mm
r1s min	0.15 mm
Mass	0.05 kg
Dynamic load, C	7.15 kN
Static load, C0	3.85 kN

7003 Bearing 2D drawings and 3D CAD models



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Fatigue limit load, Cu	0.18 kN
Nlim (oil)	28,000 rpm
Nlim (grease)	21,000 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	4.52 Hz
Characteristic outer ring frequency, BPF0	4.08 Hz
Characteristic inner ring frequency, BRFI	5.92 Hz
da min	19.5 mm
Da max	32.5 mm
Db max	33.8 mm
r1a max	0.15 mm
ra max	0.3 mm
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.043
EAN	4547359426663
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	17MM Bore; 35MM Outside Diameter; 10MM 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	7003
Outside Diameter	1.378 Inch 35 Millimeter
Width	0.394 Inch 10 Millimeter
Bore	0.669 Inch 17 Millimeter
bore diameter:	17 mm
radial static load capacity:	3850 N
outside diameter:	35 mm
operating temperature range:	-40 to 120 ° C
overall width:	10 mm
cage material:	Nylon
contact angle:	30 °
outer ring width:	10 mm



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row type & fill slot:	Single-Row Non-Fill Slot
maximum rpm:	28000 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
series:	70
bearing material:	High Carbon Chrome Steel
weight:	0.043 kg
radial dynamic load capacity:	7150 N
manufacturer product page:	Click here