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65 mm x 100 mm x 18 mm NTN 7013 angular contact ball bearings



Bearing No. 7013

Size	65x100x18 mm
Bore Diameter	65 mm
Outer Diameter	100 mm
Width	18 mm
d	65 mm
D	100 mm
B	18 mm
C	18 mm
Angle (°)	25 °
a	33 mm
r min.	1,1 mm
r1 min.	0,6 mm
da min.	72 mm
db min	72 mm
ra max.	1 mm
Weight	0,509 Kg
Basic dynamic load rating (C)	33,5 kN
Basic static load rating (C0)	31,5 kN
(Grease) Lubrication Speed	6 700 r/min
Contact angle	30 °
rs min	1.1 mm
r1s min	0.6 mm
Mass	0.51 kg
Dynamic load, C	33.5 kN
Static load, C0	31.5 kN

7013 Bearing 2D drawings and 3D CAD models



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Fatigue limit load, Cu	1.43 kN
Nlim (oil)	9,000 rpm
Nlim (grease)	6,700 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	7.9 Hz
Characteristic outer ring frequency, BPF0	9.36 Hz
Characteristic inner ring frequency, BRFI	11.64 Hz
da min	72 mm
Da max	93 mm
Db max	95.5 mm
r1a max	0.6 mm
ra max	1 mm
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.428
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



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Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	65MM Bore; 100MM Outside Diameter; 18MM 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	7013
Width	0.709 Inch 18 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
Bore	2.559 Inch 65 Millimeter
bore diameter:	65 mm
radial static load capacity:	31500 N
outside diameter:	100 mm
operating temperature range:	-40 to 120 ° C
overall width:	18 mm
cage material:	Brass
contact angle:	30 °
outer ring width:	18 mm
row type & fill slot:	Single-Row Non-Fill Slot



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maximum rpm:	9000 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open
fillet radius:	1.1 mm
snap ring included:	Without Snap Ring
series:	70
bearing material:	High Carbon Chrome Steel
weight:	0.428 kg
radial dynamic load capacity:	33500 N
manufacturer product page:	Click here