


NTN BEARING CORPORATION OF AMERICA

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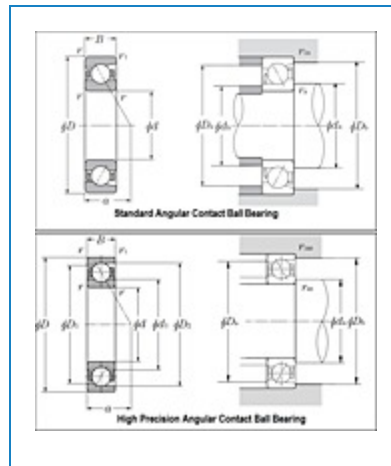
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Item # 7002, Single Angular Contact Ball Bearing - Open Type


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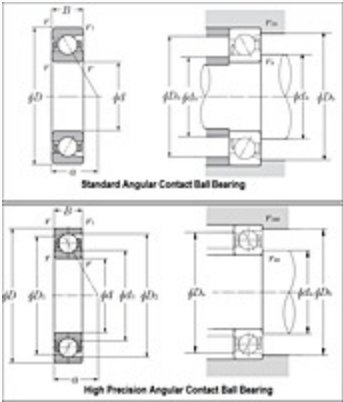
Technical Specifications

Type

Angular Contact Ball Bearing

Bore Type	Round
Material	High Carbon Chrome Steel
Cage Type	Fiber Glass Reinforced
Cage Material	Nylon
Ball Material	Steel
Limiting Speed - Oil	31000 RPM
Limiting Speed - Grease	23000 RPM
Precision	ISO Class 0
Configuration	One
Static Load Rating	710 lbf 3150 N 3.15 kN
Dynamic Load Rating	1300 lbf 5800 N 5.80 kN
Enclosure	Open
Weight	0.095 lb 0.043 kg
Operating Temperature Range	-40 to 250 °F -40 to 120 °C

Dimensional Specifications



Single Angular Contact Ball Bearings - Open Type - Dimensions

d	0.5906 in 15.000 mm
D	1.2598 in 32.000 mm
B	0.3543 in 9.000 mm
r	0.0118 in 0.300 mm
r1	0.0059 in 0.150 mm
Contact Angle	30 °
a (Load Center)	0.4528 in 11.500 mm
da min	0.6890 in 17.500 mm
Da max	1.1614 in 29.500 mm
Db max	1.2126 in 30.800 mm
ras max	0.0118 in 0.300 mm
r1as max	0.0059 in 0.150 mm
Double Row Width	0.7087 in 18.000 mm
Triple Row Width	1.0630 in 27.000 mm
Quadruple Row Width	1.5748 in 40.000 mm