



NTN BEARING CORPORATION OF AMERICA

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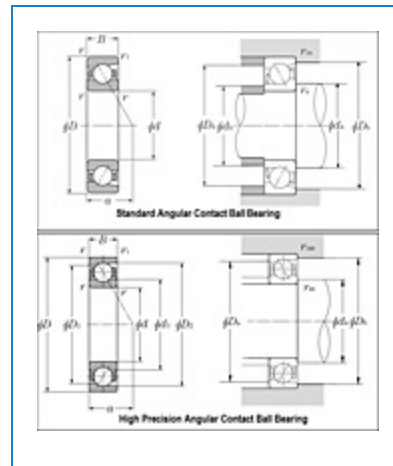
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Item # 7001, Single Angular Contact Ball Bearing - Open Type



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Ordering Options

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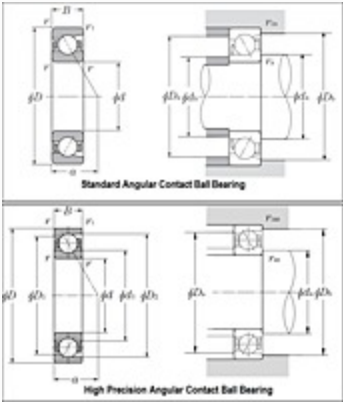
Technical Specifications

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	35000 RPM
Limiting Speed - Grease	26000 RPM
Precision	ISO Class 0
Configuration	One
Static Load Rating	555 lbf 2460 N 2.46 kN
Dynamic Load Rating	1140 lbf 5050 N 5.05 kN
Enclosure	Open
Weight	0.053 lb 0.024 kg
Operating Temperature Range	-40 to 250 °F -40 to 120 °C

Dimensional Specifications



Single Angular Contact Ball Bearings - Open Type - Dimensions

d	0.4724 in 12.000 mm
D	1.1024 in 28.000 mm
B	0.3150 in 8.000 mm
r	0.0118 in 0.300 mm
r1	0.0059 in 0.150 mm
Contact Angle	30 °
a (Load Center)	0.3937 in 10.000 mm
da min	0.5709 in 14.500 mm
Da max	1.0039 in 25.500 mm
Db max	1.0551 in 26.800 mm
ras max	0.0118 in 0.300 mm
r1as max	0.0059 in 0.150 mm
Double Row Width	0.6299 in 16.000 mm
Triple Row Width	0.9449 in 24.000 mm
Quadruple Row Width	1.2598 in 32.000 mm