



ITEM NUMBER

BNT004

Single Angular Contact Ball Bearings for
Motors and Lathes

Single Angular Contact Ball Bearings for Motors and
Lathes

d
20 mm
Bore

D
42 mm
Outside diameter

B
12 mm
Width

View details: <https://catson.vn/tra-cuu-vong-bi/ntn/bnt004/?lang=en>

Technical Specifications

Type	Main Spindle Bearing
Bore Type	Round
Material	High Carbon Chrome Steel
Cage Type	Machined
Cage Material	Phenolic Resin
Ball Material	Steel
Limiting Speed - Oil	68300 RPM
Limiting Speed - Grease	34300.0 RPM
Configuration	One
Factor	9.2
Static Load Rating	3950 N
Dynamic Load Rating	8000 N
Enclosure	Open
Operating Temperature Range	-40 to 120 °C

Dimensional Specifications

d	20.000 mm
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D	42.000 mm
B	12.000 mm
d1	27.400 mm
d2	24.900 mm
D1	35.500 mm
r	0.600 mm
r1	0.300 mm
Contact Angle	15 °
a	10.000 mm
da min	24.500 mm
db min	22.500 mm
Da max	37.500 mm
ras max	0.600 mm
r1as max	0.300 mm
Double Row Width	24.000 mm
Triple Row Width	36.000 mm
Quadruple Row Width	48.000 mm

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