



The Timken Company

4500 Mt Pleasant St. NW

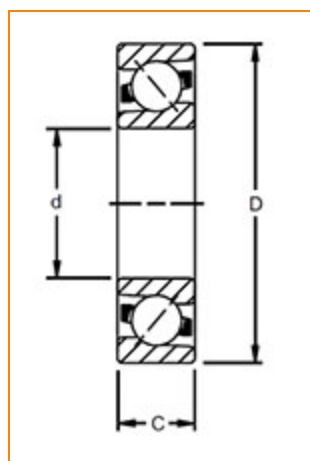
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Part Number 7212 BTN1/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

Timken® angular contact ball bearings are designed for combination radial and axial loading. Single-row bearings have high thrust capacity in one direction. Some single-row bearings are specifically designed for duplex mounting in sets for maximum performance.



[Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

Dimensions

d - Bore	60.00 mm 2.3622 in
D - Outer Diameter	110.00 mm 4.3307 in
Bearing Width	22.00 mm 0.8661 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

44500 N
10002 lbf

C1 ISO - Dynamic Radial Rating	56000 N 12587 lbf
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Factors

Limiting Speed (Grease)	5700 rpm
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Limiting Speed (Oil)	7600 rpm
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Specifications

Ball Type	STEEL
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Cage Type	Molded
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Cage Material	Polyamide
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Bearing Weight	0.78 Kg 1.72 lb
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Design Units	METRIC
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R - Inner Ring "Touch" Radius	0.6
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r - Outer Ring "Touch" Radius	0.6
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Features	Open
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius ¹	1.00 mm 0.039 in
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r - Outer Ring "To Clear" Radius ²	1.00 mm 0.039 in
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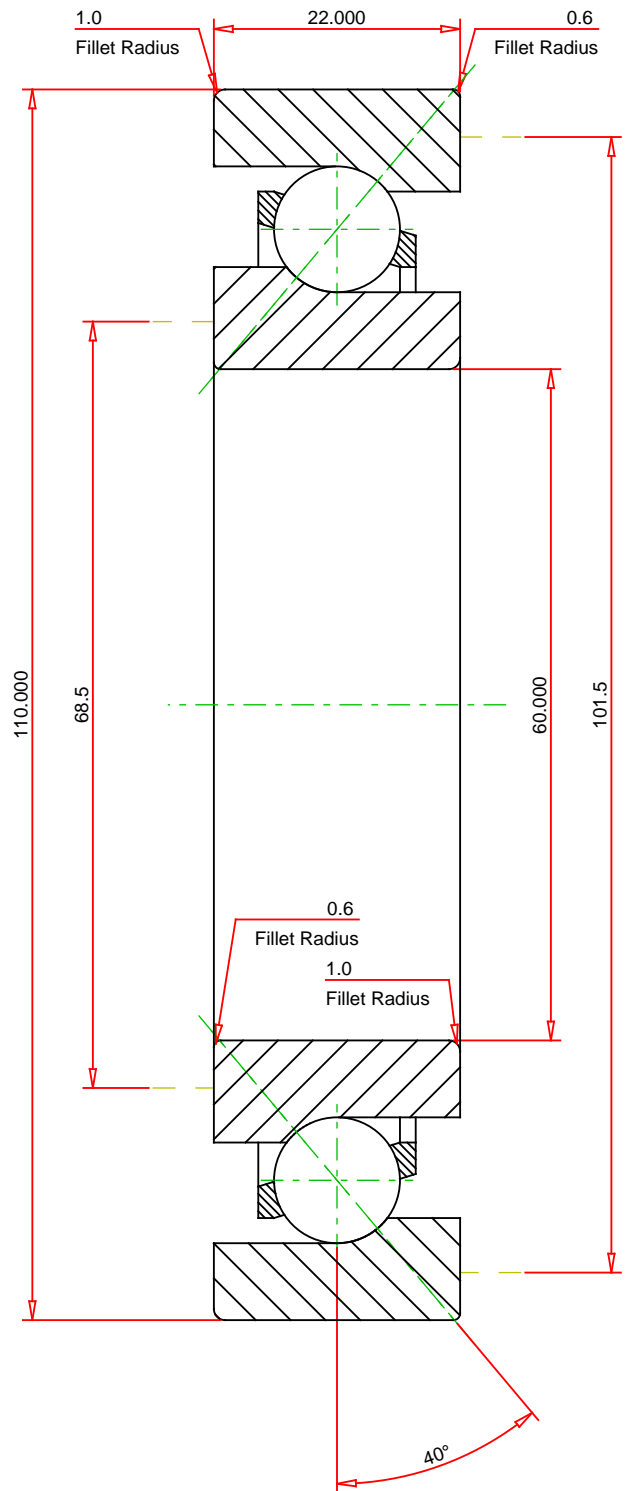
da - Inner Ring Backing Diameter	68.5 mm 2.697 in
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Da - Outer Ring Backing	101.5 mm
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Diameter

3.996 in

- ¹ Maximum housing fillet radius that bearing corners will clear.
- ² Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row Bearing Weight	15 0.780 kg	TIMKEN®		7212 BTN1/CN Timken® Single Row Angular Contact Ball Bearings (7200, 7300)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	56000 N
				Static Radial Rating	44500 N