



The Timken Company

4500 Mt Pleasant St. NW

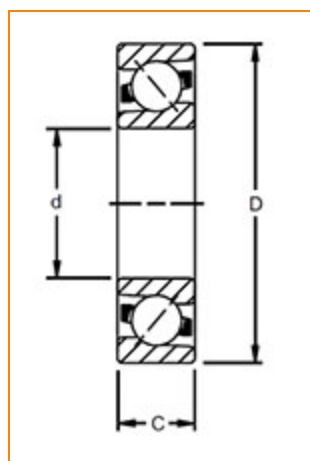
N. Canton, OH 44720

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Part Number 7305 BM/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	25.00 mm 0.9843 in
D - Outer Diameter	62.00 mm 2.4409 in
Bearing Width	17.00 mm 0.6693 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

14100 N
3169 lbf

C1 ISO - Dynamic Radial Rating	24400 N 5484 lbf
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Factors

Limiting Speed (Grease)	11000 rpm
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Limiting Speed (Oil)	15000 rpm
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Specifications

Ball Type	STEEL
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Cage Type	Machined
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Cage Material	Brass
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Bearing Weight	0.23 Kg 0.507 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" Radius¹	0.60 mm 0.024 in
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r - Outer Ring "To Clear" Radius²	0.60 mm 0.024 in
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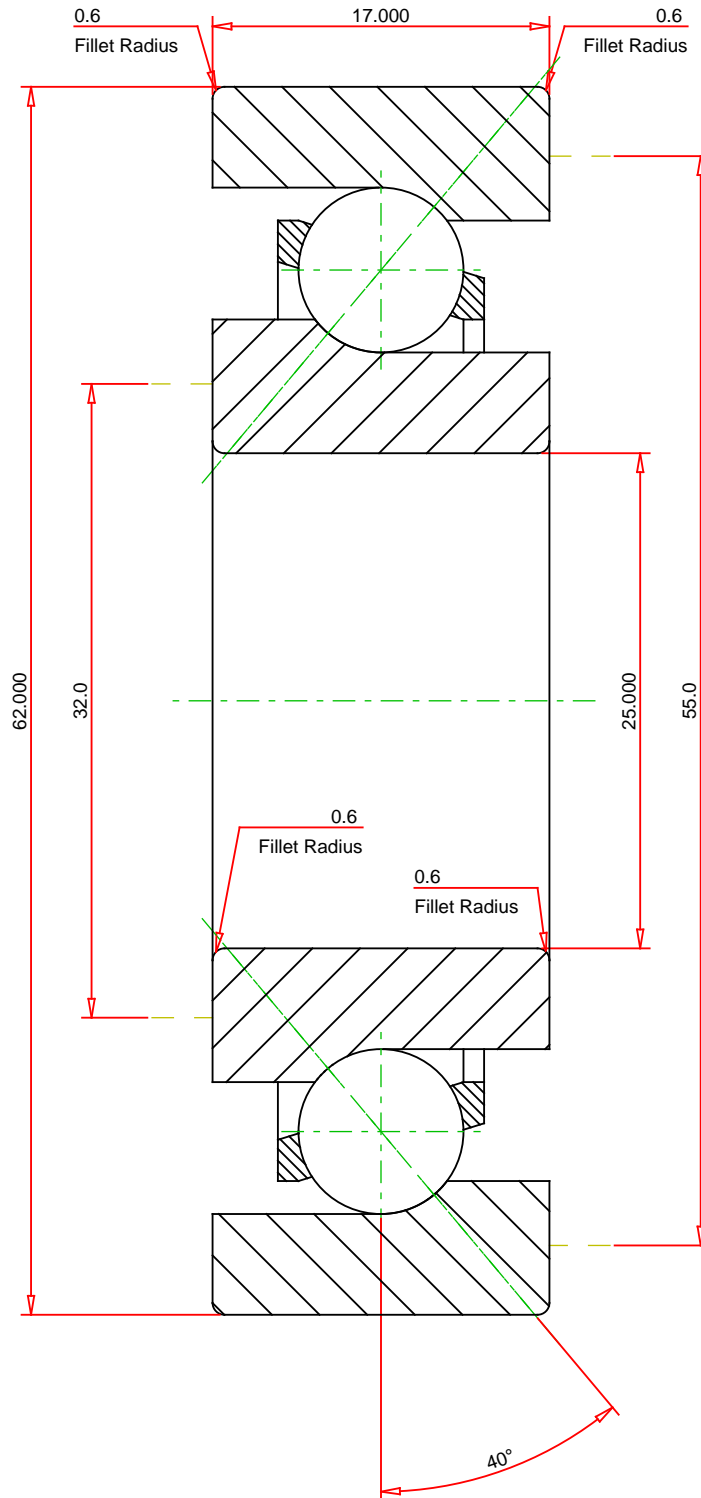
da - Inner Ring Backing Diameter	32.0 mm 1.260 in
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Da - Outer Ring Backing	55.0 mm
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Diameter

2.165 in

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



METRIC UNITS

<p>Number of Balls Per Row Bearing Weight</p> <p>10 0.230 kg</p>	<p>TIMKEN®</p> <p>THE TIMKEN COMPANY NORTH CANTON, OHIO USA</p>	<p>7305 BM/CN Timken® Single Row Angular Contact Ball Bearings (7200, 7300)</p> <p>Dynamic Radial Rating 24400 N Static Radial Rating 14100 N</p>
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Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY