



The Timken Company

4500 Mt Pleasant St. NW

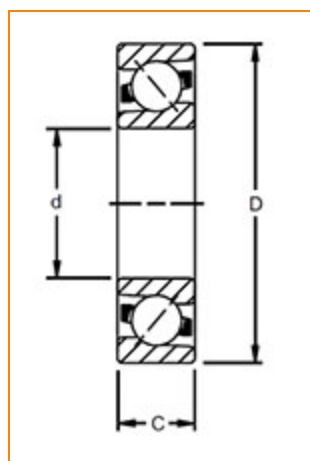
N. Canton, OH 44720

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Part Number 7222 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	110.00 mm 4.3307 in
D - Outer Diameter	200.00 mm 7.8740 in
Bearing Width	38.00 mm 1.4961 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

144000 N
32366 lbf

C1 ISO - Dynamic Radial Rating	154000 N 34614 lbf
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Factors

Limiting Speed (Grease)	3000 rpm
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Limiting Speed (Oil)	4000 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	5.12 Kg 11.289 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	1.10 mm 0.043 in
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r - Outer Ring "To Clear" Radius²	1.10 mm 0.043 in
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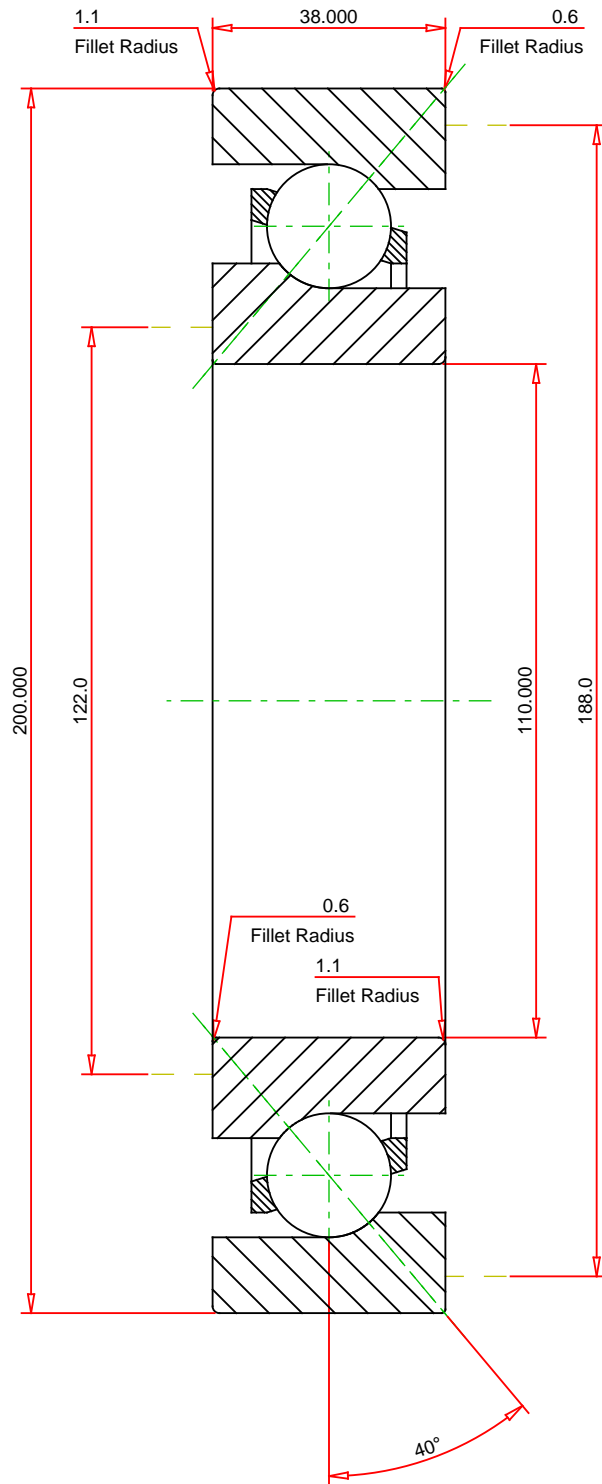
da - Inner Ring Backing Diameter	122.0 mm 4.803 in
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Da - Outer Ring Backing	188.0 mm
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Diameter

7.402 in

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



METRIC UNITS

<div>Number of Balls Per Row Bearing Weight</div> <div>15 5.120 kg</div>	<div>TIMKEN®</div> <div>THE TIMKEN COMPANY NORTH CANTON, OHIO USA</div>	<div>7222 BM/CN Timken® Single Row Angular Contact Ball Bearings (7200, 7300)</div> <div>Dynamic Radial Rating154000 N Static Radial Rating144000 N</div>
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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