

TIMKEN**The Timken Company**

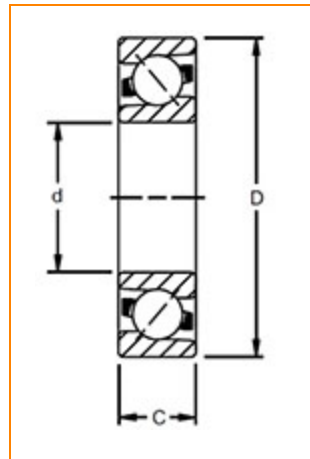
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Part Number 7224 BM/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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.



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Dimensions

d - Bore	120.00 mm 4.7244 in
D - Outer Diameter	215.00 mm 8.4646 in
Bearing Width	40.00 mm 1.5748 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

162000 N
36412 lbf

C1 ISO - Dynamic Radial Rating	165000 N 37086 lbf
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Factors

Limiting Speed (Grease)	2800 rpm
Limiting Speed (Oil)	3700 rpm

Specifications

Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	6.18 Kg 13.626 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

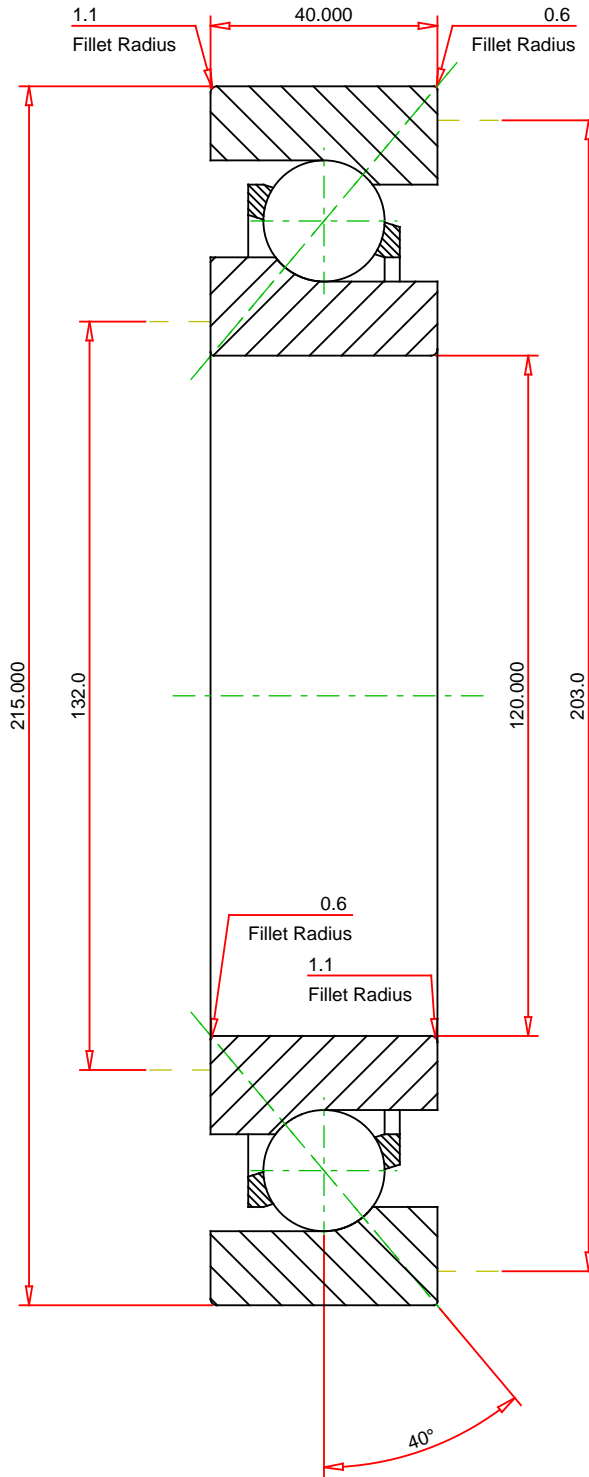
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	1.10 mm 0.043 in
r - Outer Ring "To Clear" Radius²	1.10 mm 0.043 in
da - Inner Ring Backing Diameter	132.0 mm 5.197 in
Da - Outer Ring Backing	203.0 mm

Diameter

7.992 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 15
 Bearing Weight 6.180 kg

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 Timken® Single Row Angular Contact Ball Bearings
 (7200, 7300)

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 165000 N
 Static Radial Rating 162000 N

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