

TIMKEN**The Timken Company**

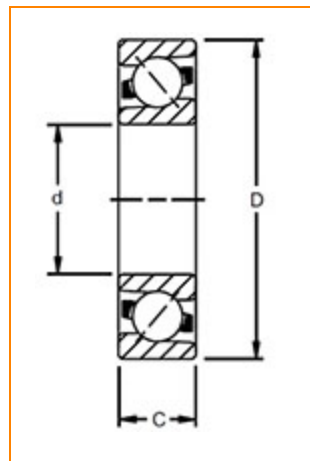
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Part Number 7304 BTN1/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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	20.00 mm 0.7874 in
D - Outer Diameter	52.00 mm 2.0472 in
Bearing Width	15.00 mm 0.5906 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

9700 N
2180 lbf

C1 ISO - Dynamic Radial Rating	17300 N 3888 lbf
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Factors

Limiting Speed (Grease)	13000 rpm
Limiting Speed (Oil)	18000 rpm

Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	0.14 Kg 0.309 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

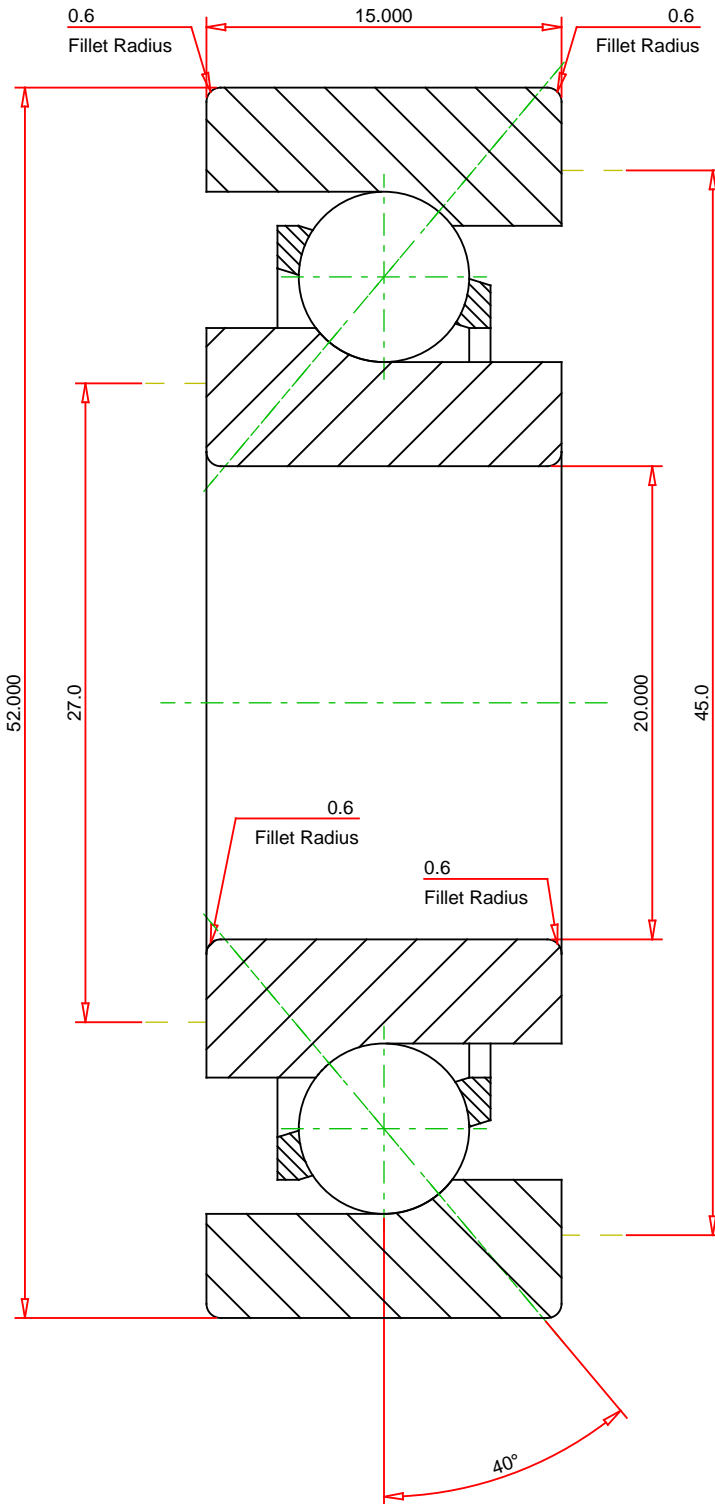
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	0.60 mm 0.024 in
r - Outer Ring "To Clear" Radius²	0.60 mm 0.024 in
da - Inner Ring Backing Diameter	27.0 mm 1.063 in
Da - Outer Ring Backing	45.00 mm

Diameter

1.7720 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 10
 Bearing Weight 0.140 kg

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

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 17300 N
 Static Radial Rating 9700 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.

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