

TIMKEN**The Timken Company**

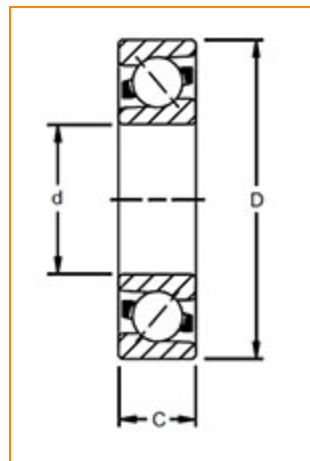
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Part Number 7216 BTN1/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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	80.00 mm 3.1496 in
D - Outer Diameter	140.00 mm 5.5118 in
Bearing Width	26.00 mm 1.0236 in
Contact Angle	40 °

Basic Load Ratings



C0 - Static Radial Rating

69500 N
15621 lbf

C1 ISO - Dynamic Radial Rating	80500 N 18093 lbf
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Factors

Limiting Speed (Grease)	4300 rpm
Limiting Speed (Oil)	5700 rpm

Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	1.42 Kg 3.131 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

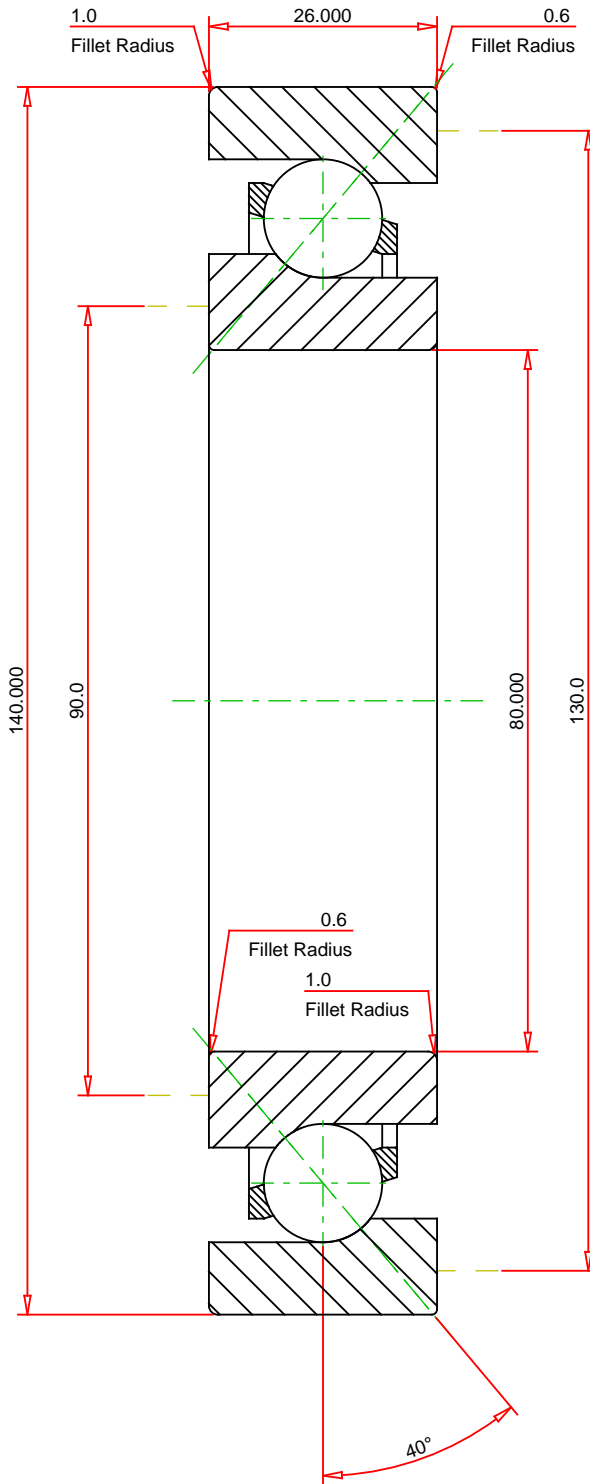
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	1.00 mm 0.039 in
r - Outer Ring "To Clear" Radius²	1.00 mm 0.039 in
da - Inner Ring Backing Diameter	90.0 mm 3.543 in
Da - Outer Ring Backing	130.00 mm

Diameter

5.1180 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 16
 Bearing Weight 1.420 kg

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

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 80500 N
 Static Radial Rating 69500 N

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FOR DISCUSSION ONLY