

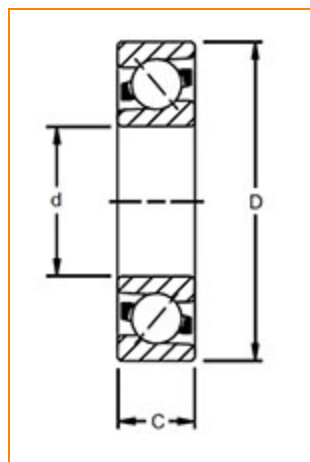
TIMKEN**The Timken Company**

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000**E-Mail:** CustomerCAD@timken.com • **Web site:** www.timken.com**Part Number 7214 BTN1, 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	70.00 mm 2.7559 in
D - Outer Diameter	125.00 mm 4.9213 in
Bearing Width	24.00 mm 0.9449 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	58000 N 13034 lbf
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40000 N

C1 ISO - Dynamic Radial Rating	87000 N 15507 lbf
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Factors

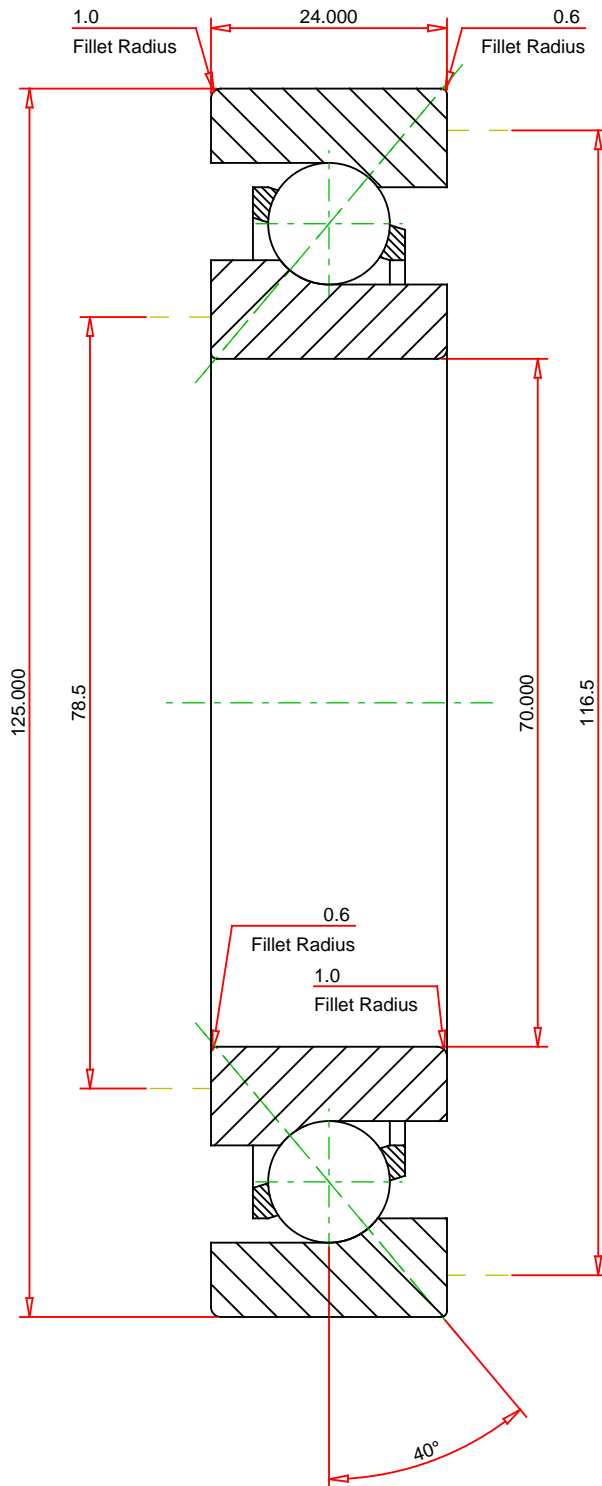
Limiting Speed (Grease)	4900 rpm
Limiting Speed (Oil)	6500 rpm

Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	1.11 Kg 2.447 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" Radius ¹	1.00 mm 0.039 in
r - Outer Ring "To Clear" Radius ²	1.00 mm 0.039 in
da - Inner Ring Backing Diameter	78.5 mm 3.091 in
Da - Outer Ring Backing Diameter	116.5 mm 4.587 in



METRIC UNITS

Number of Balls Per Row	16
Bearing Weight	1.110 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7214 BTN1	
Timken® Single Row Angular Contact Ball Bearings (7200, 7300)	
Dynamic Radial Rating	69000 N
Static Radial Rating	58000 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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