

TIMKEN**The Timken Company**

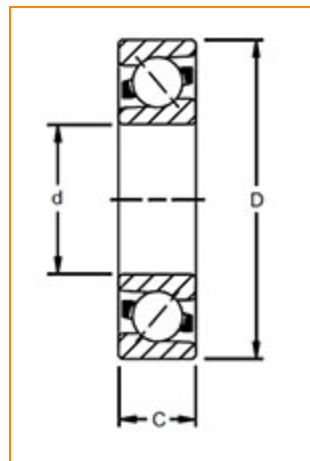
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Part Number 7214 BM/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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	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 13036 lbf
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C1 ISO - Dynamic Radial Rating	69000 N 15509 lbf
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Factors

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

Specifications

Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	1.22 Kg 2.690 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

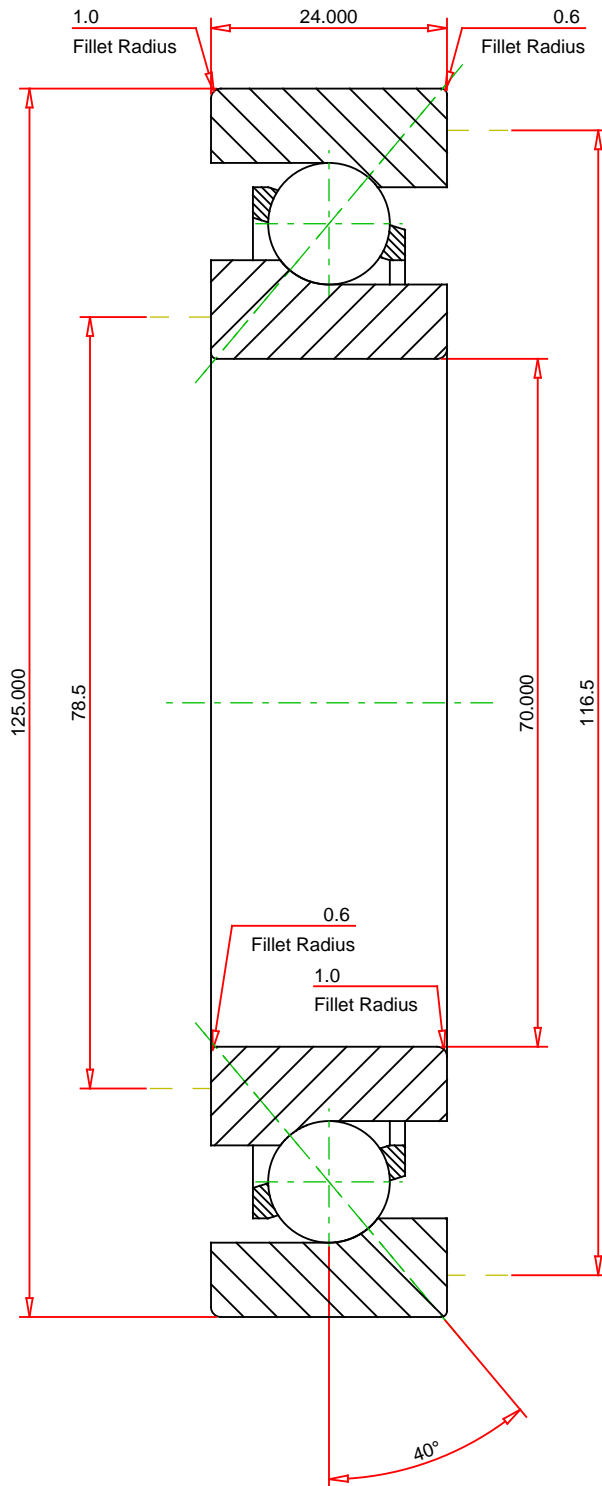
Abutment and Fillet Dimensions

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	78.5 mm 3.091 in
Da - Outer Ring Backing	116.5 mm

Diameter

4.587 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	1.220 kg

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NORTH CANTON, OHIO USA

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(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.

FOR DISCUSSION ONLY