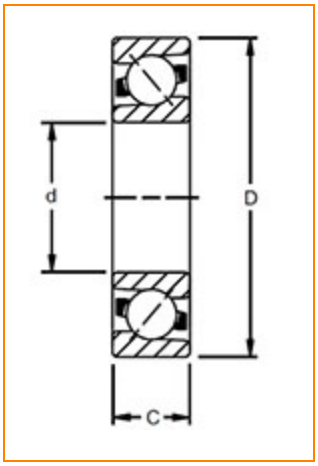
The Timken Company
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N. Canton, OH 44720
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Part Number 7315 BTN1, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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	75.00 mm 2.9528 in
D - Outer Diameter	160.00 mm 6.2992 in
Bearing Width	37.00 mm 1.4567 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	97500 N 21914 lbf
	125000 N

C1 ISO - Dynamic Radial Rating	125000 N 28095 lbf

Factors

Limiting Speed (Grease)	4100 rpm
Limiting Speed (Oil)	5400 rpm

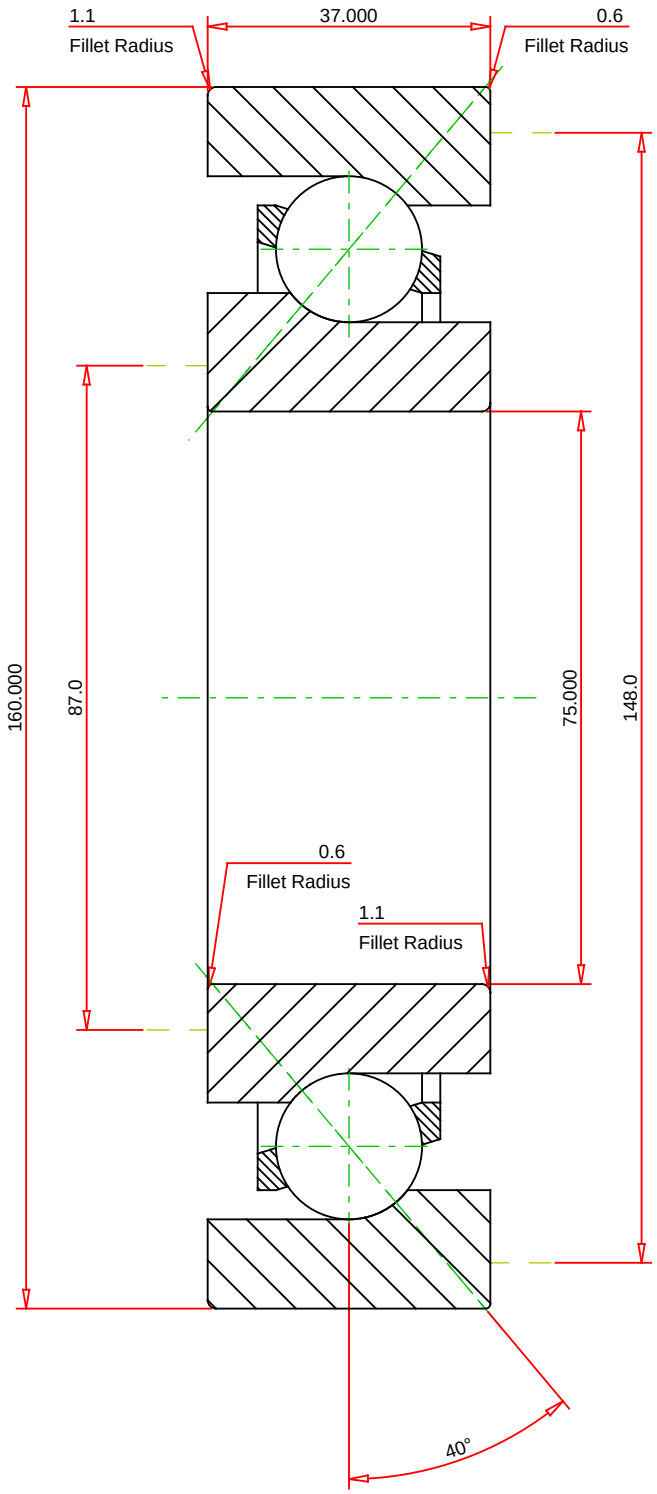
Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	3.13 Kg 6.901 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]	1.10 mm 0.043 in
r - Outer Ring "To Clear" Radius[2]	1.10 mm 0.043 in
da - Inner Ring Backing Diameter	87.0 mm 3.425 in
Da - Outer Ring Backing Diameter	148.0 mm 5.827 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	12	
Bearing Weight	3.130	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7315 BTN1

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

Dynamic Radial Rating	125000	N
Static Radial Rating	97500	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