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

Timken Part Number 7207WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	35.000 mm 1.3780 in
D - Outer Diameter	72.000 mm 2.8346 in
Bearing Width	17.000 mm 0.6693 in
Contact Angle	40 º
do - Ball Diameter	11.112500 mm 0.437500 in

Basic Load Ratings

C0 - Static Radial Rating	18000 N 4150 lbf
Ce - Dynamic Radial Rating[1]	30800 N 6950 lbf

Factors

Limiting Speed (Grease)	5620 rpm
Limiting Speed (Oil)	7490 rpm

Specifications

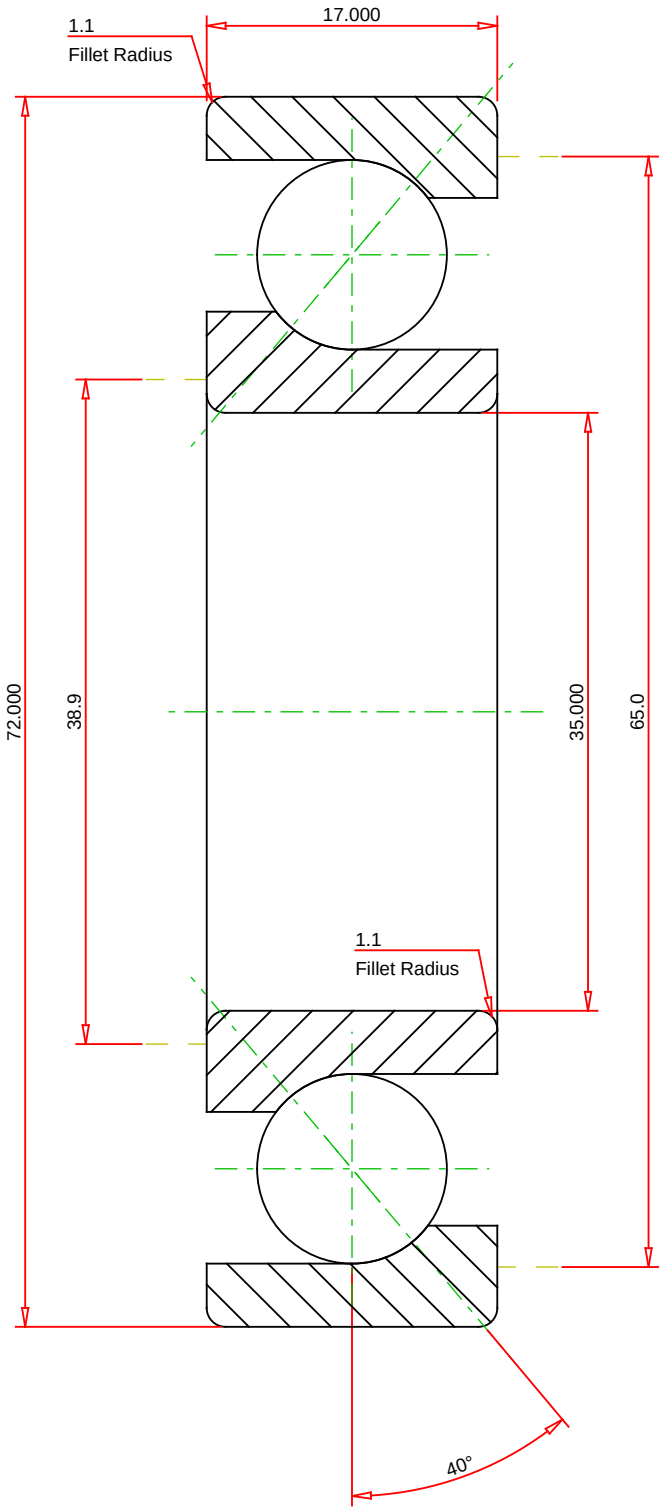
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.286 Kg 0.63 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.100 mm 0.043 in
r - Outer Ring "To Clear" Radius[3]	1.100 mm 0.043 in
da - Inner Ring Backing Diameter	38.900 mm 1.530 in
Da - Outer Ring Backing Diameter	65.000 mm 2.560 in

[1] Based on 10^6 revolutions of calculated fatigue life.

[2] Maximum housing fillet radius that bearing corners will clear.
[3] Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row	13	
Bearing Weight	0.286	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7207WN

Fafnir® Single Row Angular Contact Ball Bearings
(7200, 7300, 7400)

Dynamic Radial Rating	30800	N
Static Radial Rating	18000	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