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Timken Part Number 7214WN, 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	70.000 mm 2.7559 in
D - Outer Diameter	125.000 mm 4.9213 in
Bearing Width	24.000 mm 0.9449 in
Contact Angle	40 °
do - Ball Diameter	17.462500 mm 0.687500 in

Basic Load Ratings

C0 - Static Radial Rating	57300 N 12900 lbf
Ce - Dynamic Radial Rating[1]	78000 N 17600 lbf

Factors

Limiting Speed (Grease)	3080 rpm
Limiting Speed (Oil)	4100 rpm

Specifications

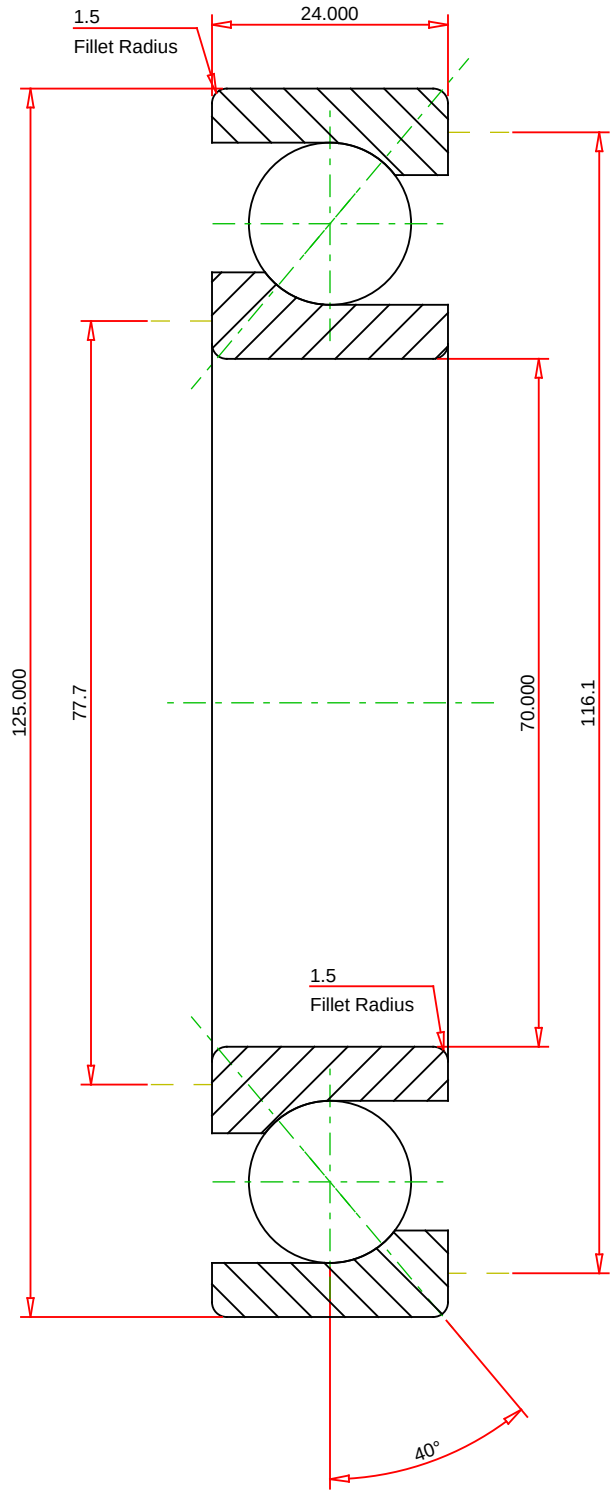
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.171 Kg 2.580 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.500 mm 0.059 in
r - Outer Ring "To Clear" Radius[3]	1.500 mm 0.059 in
da - Inner Ring Backing Diameter	77.700 mm 3.060 in
Da - Outer Ring Backing Diameter	116.100 mm 4.570 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	16	
Bearing Weight	1.171	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7214WN

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

Dynamic Radial Rating	78000	N
Static Radial Rating	57300	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