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Timken Part Number 7211WN, 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	55.000 mm 2.1654 in
D - Outer Diameter	100.000 mm 3.9370 in
Bearing Width	21.000 mm 0.8268 in
Contact Angle	40 °
do - Ball Diameter	14.287500 mm 0.562500 in

Basic Load Ratings

C0 - Static Radial Rating	36200 N 8150 lbf
Ce - Dynamic Radial Rating[1]	52000 N 11800 lbf

Factors

Limiting Speed (Grease)	3880 rpm
Limiting Speed (Oil)	5170 rpm

Specifications

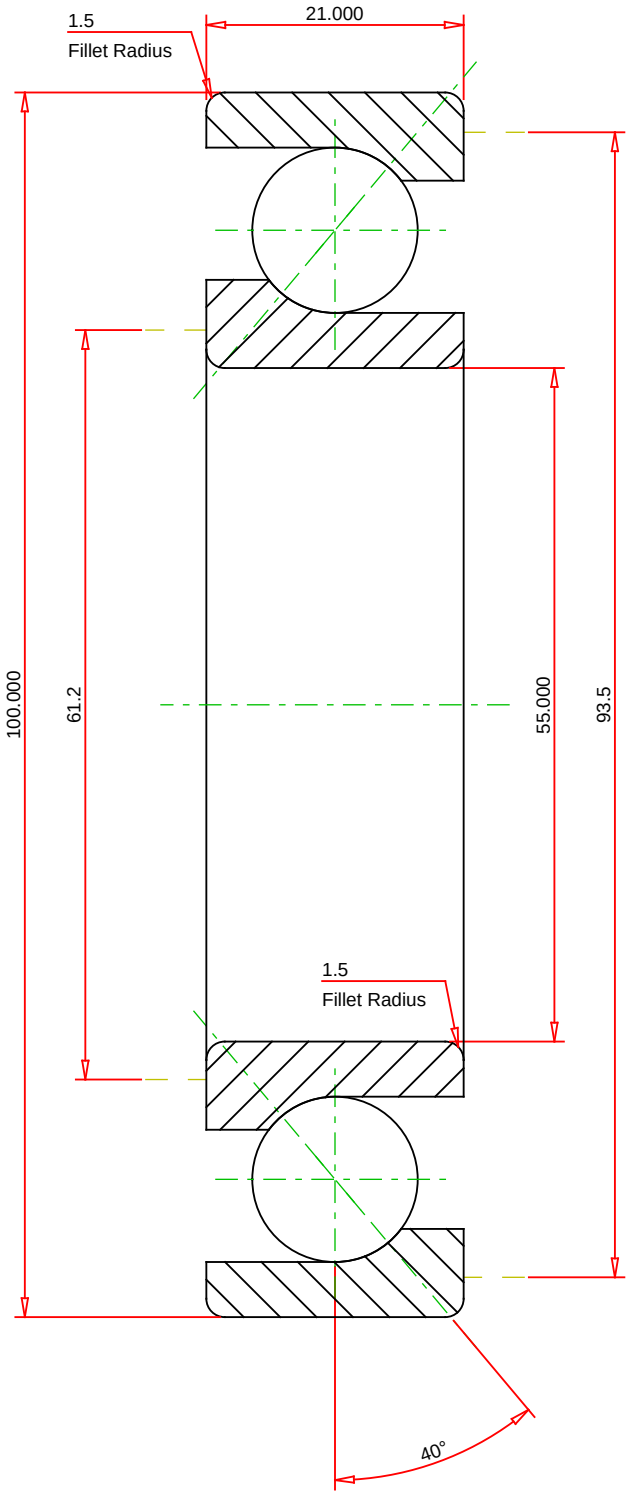
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.635 Kg 1.40 lb
Design Units	METRIC

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	61.200 mm 2.410 in
Da - Outer Ring Backing Diameter	93.500 mm 3.680 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	15	
Bearing Weight	0.635	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7211WN

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

Dynamic Radial Rating	52000	N
Static Radial Rating	36200	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