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Timken Part Number 7309WN, 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 | Specifications | Abutment and Fillet Dimensions

Dimensions

d - Bore	45.000 mm 1.7717 in
D - Outer Diameter	100.000 mm 3.9370 in
Bearing Width	25.000 mm 0.9843 in
Contact Angle	40 º
do - Ball Diameter	17.462500 mm 0.687500 in

Basic Load Ratings

C0 - Static Radial Rating	39900 N 9000 lbf
Ce - Dynamic Radial Rating[1]	66600 N 15000 lbf

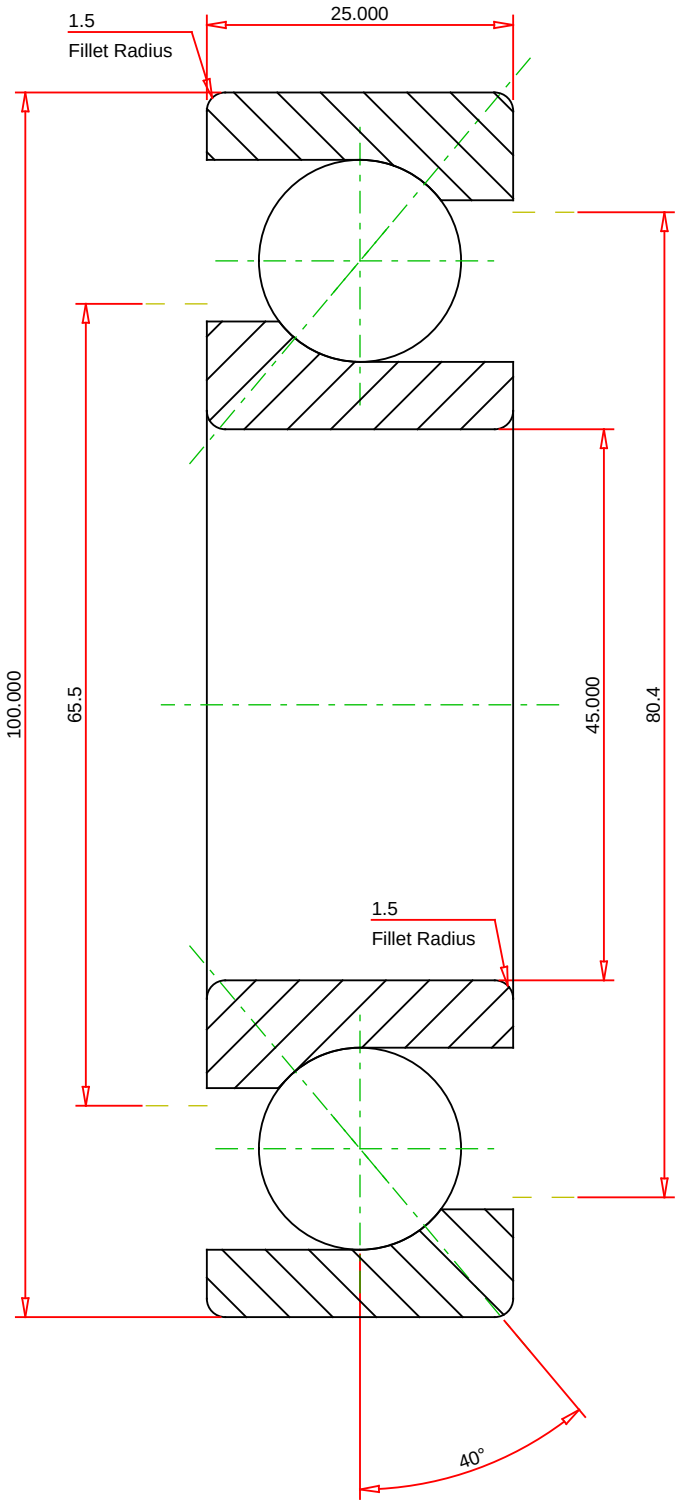
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.885 Kg 1.95 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	65.480 mm 2.578 in
Da - Outer Ring Backing Diameter	80.440 mm 3.167 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	12	
Bearing Weight	0.885	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7309WN

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(7200, 7300, 7400)

Dynamic Radial Rating	66600	N
Static Radial Rating	39900	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