The Timken Company
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Part Number 2MM9306WI, Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)

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.

Specifications | Dimensions | Basic Load Ratings | Factors | Abutment and Fillet Dimensions

Specifications

Note	CAD Model Shown is for a single bearing Product is sold set of: 1 (SU = Single) 2 (DU = Duplex) 3 (TU = Triplex) 4 (QU = Quadruplex)
Full Timken Part Number	2MM9306WI DUH 2MM9306WI DUL 2MM9306WI DUM 2MM9306WI TUL 2MM9306WI TUM 2MM9306WICRDUH 2MM9306WICRDUL 2MM9306WICRDUM 2MM9306WICRQUH 2MM9306WICRQUL

	2MM9306WICRQUM 2MM9306WICRSUH 2MM9306WICRSUL 2MM9306WICRSUM 2MM9306WICRTUH 2MM9306WICRTUL 2MM9306WICRTUM
Disclaimer	Product preload will have a suffix of: H = Heavy, M = Medium, L = Light
Ball Type	STEEL
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.05 Kg 0.110 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)
Manufacturing Part Number	2MM9306WICRDUH 2MM9306WICRDUL 2MM9306WICRDUM 2MM9306WICRTUL 2MM9306WICRTUM

Dimensions

d - Bore	30.00 mm 1.1811 in
D - Outer Diameter	47.00 mm 1.8504 in
Bearing Width	9.000 mm 0.3543 in
Contact Angle	15 °
do - Ball Diameter	4.762500 mm 0.18750 in

Basic Load Ratings

C0 - Static Radial Rating	6610 N 1490 lbf
Ce - Dynamic Radial Rating[1]	9540 N 2150 lbf

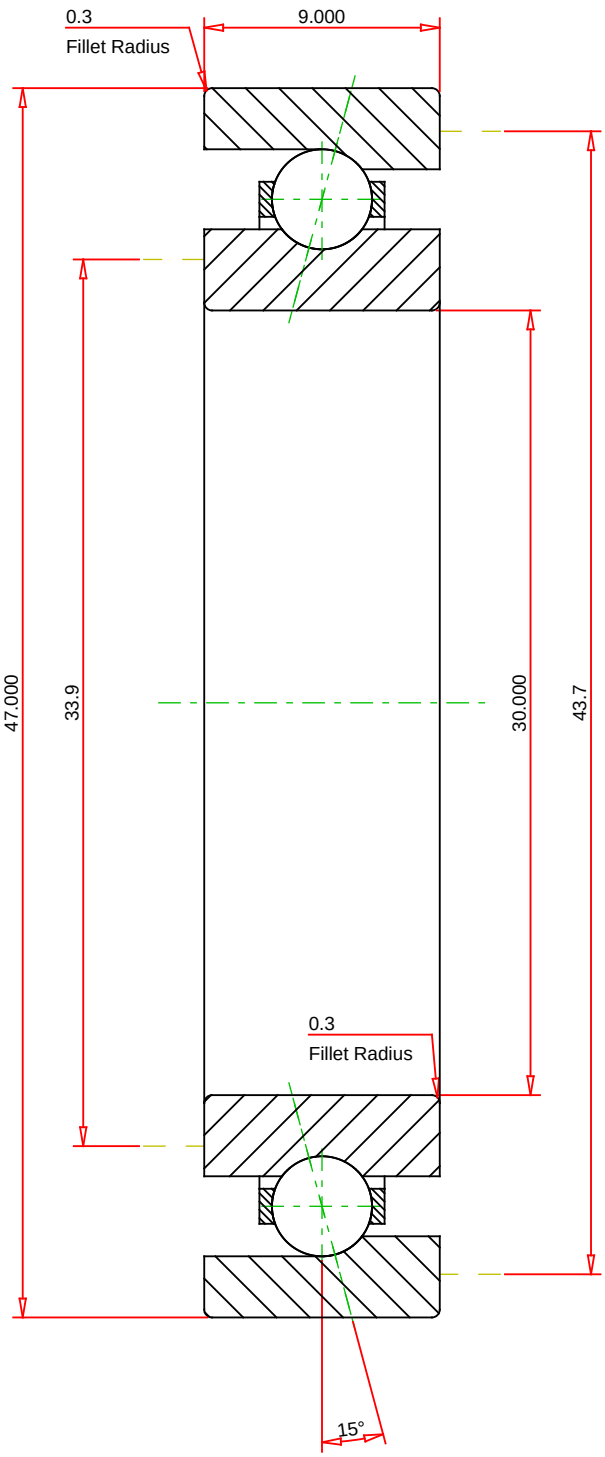
Factors

Limiting Speed (Grease)	29700 rpm
Limiting Speed (Oil)	59400 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.30 mm 0.012 in
r - Outer Ring "To Clear" Radius[3]	0.30 mm 0.012 in
da - Inner Ring Backing Diameter	33.900 mm 1.330 in
Da - Outer Ring Backing Diameter	43.700 mm 1.720 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	19	
Bearing Weight	0.050	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

2MM9306WI

Fafnir® Spindle Angular Contact Ball Bearings
(9300WI, 9100WI, 200WI, 300WI)

Dynamic Radial Rating	9540	N
Static Radial Rating	6610	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