


The Timken Company

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Timken Part Number 2MMC9105WI, 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.



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Dimensions

d - Bore	25.000 mm 0.9843 in
D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	12.000 mm 0.4724 in
Contact Angle	15 °
do - Ball Diameter	6.350000 mm 0.25000 in

Basic Load Ratings

C0 - Static Radial Rating	6590 N 1480 lbf
Ce - Dynamic Radial Rating¹	12900 N 2910 lbf

Factors

Limiting Speed (Grease)	37080 rpm
Limiting Speed (Oil)	74160 rpm

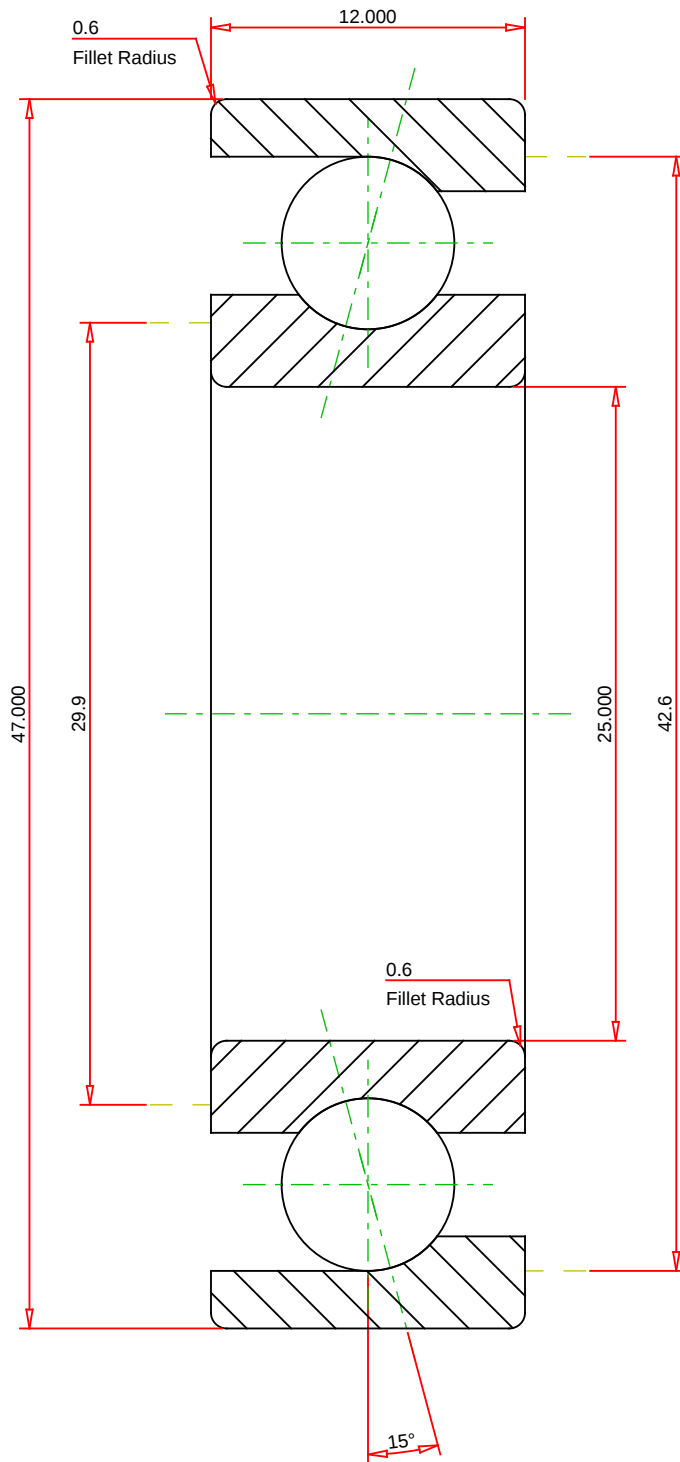
Specifications

Ball Type	Ceramic
Cage Type	CR - Phenolic Outer Land Riding Cage
Bearing Weight	0.077 Kg 0.17 lb
Design Units	METRIC
Precision Class	ISO P4S (ABEC 7/9)

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	0.600 mm 0.024 in
r - Outer Ring "To Clear" Radius³	0.600 mm 0.024 in
da - Inner Ring Backing Diameter	29.900 mm 1.180 in
Da - Outer Ring Backing Diameter	42.600 mm 1.680 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 Bearing Weight	13 0.077 kg	TIMKEN®		2MMC9105WI Fafnir® Spindle Angular Contact Ball Bearings (9300WI, 9100WI, 200WI, 300WI)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating12900 N	
				Static Radial Rating6590 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.

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