The Timken Company
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Timken Part Number MM9305K, Fafnir® Spindle Deep Grove Ball Bearings (9100K, 200K, 300K)

Radial ball bearings consist of an inner and outer ring with a cage containing a complement of precision balls. The standard Conrad-type bearing has a deep-groove construction capable of handling radial and axial loads from either direction in versatile designs that permit relatively high-speed operation.

In addition to standard single-row deep groove bearings, Timken offers special designs, including a maximum capacity series and an extra large (XLS) radial series bearing.

Size range: 3 mm

more



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

Specifications

Design Units	METRIC
Ball Type	Steel
Cage Type	CR - Phenolic Inner Land Riding Cage

Dimensions

d - Bore	25.000 mm 0.9843 in

D - Outer Diameter	42.000 mm 1.6535 in
Bearing Width	9.000 mm 0.3543 in
do - Ball Diameter	4.762500 mm 0.18750 in

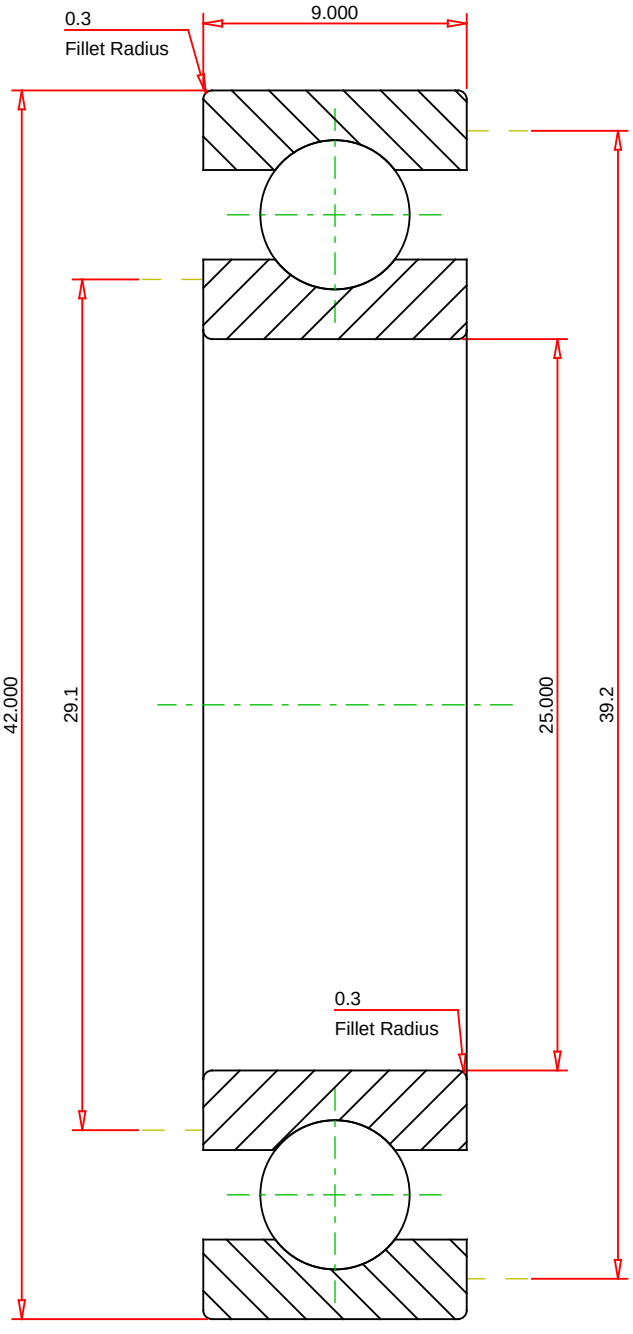
Basic Load Ratings

Ce - Dynamic Radial Rating[1]	7790 N 1750 lbf
C0 - Static Radial Rating	4000 N 900 lbf

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.300 mm 0.012 in
r - Outer Ring "To Clear" Radius[3]	0.300 mm 0.012 in
da - Inner Ring Backing Diameter	29.080 mm 1.150 in
Da - Outer Ring Backing Diameter	39.240 mm 1.550 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	13	
Bearing Weight	0.000	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

MM9305K

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Dynamic Radial Rating	7790	N
		N
Static Radial Rating	4000	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