The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Timken Part Number MM9306K, 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
Precision Class	ISO P4S (ABEC 7/9)

Dimensions

d - Bore	30.000 mm 1.1811 in

D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	9.000 mm 0.3543 in
do - Ball Diameter	4.762500 mm 0.18750 in

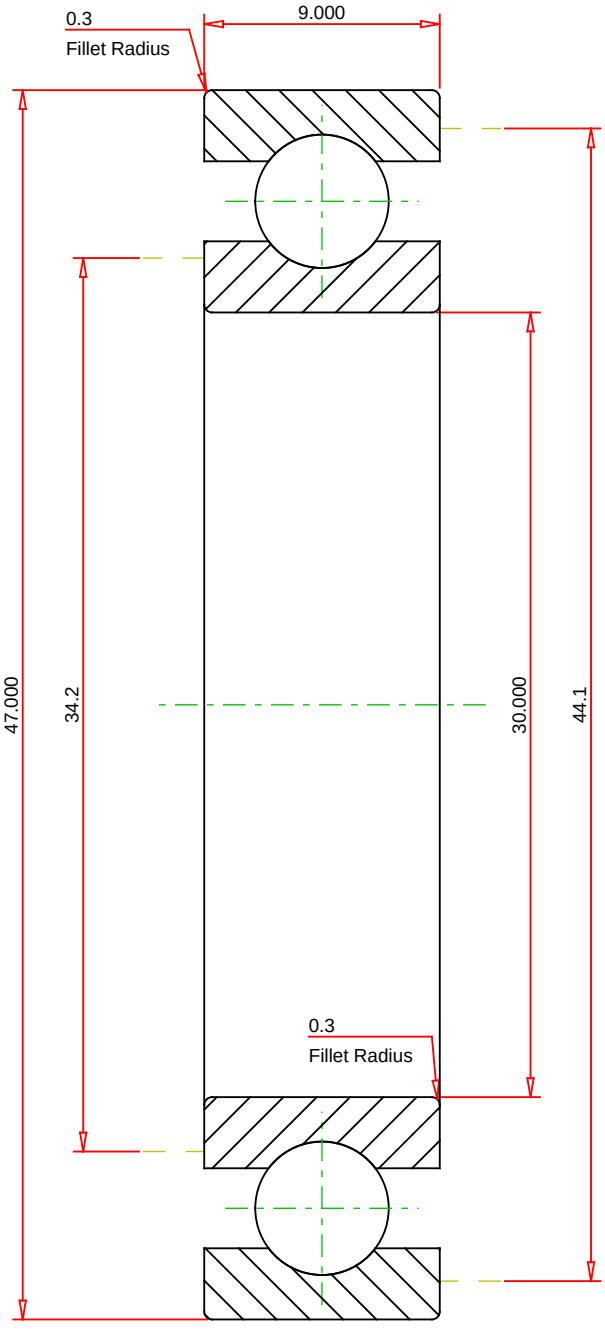
Basic Load Ratings

Ce - Dynamic Radial Rating[1]	8050 N 1810 lbf
C0 - Static Radial Rating	5020 N 1130 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	34.160 mm 1.350 in
Da - Outer Ring Backing Diameter	44.070 mm 1.740 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	14	
Bearing Weight	0.000	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

MM9306K

Fafnir® Spindle Deep Grove Ball Bearings (9100K, 200K, 300K)

Dynamic Radial Rating	8050	N
		N
Static Radial Rating	5020	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