The Timken Company
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Part Number 9336K, Fafnir® Deep Groove 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 | Factors | Abutment and Fillet Dimensions

Specifications

Design Units	METRIC
Ball Type	STEEL
Bearing Weight	0.744 Kg 1.64 lb

Dimensions

d - Bore	180 mm 7.0866 in
D - Outer Diameter	250 mm 9.8425 in

Bearing Width	33.00 mm 1.2992 in

Basic Load Ratings

Ce - Dynamic Radial Rating[1]	131300 N 29500 lbf
C0 - Static Radial Rating	133000 N 29900 lbf

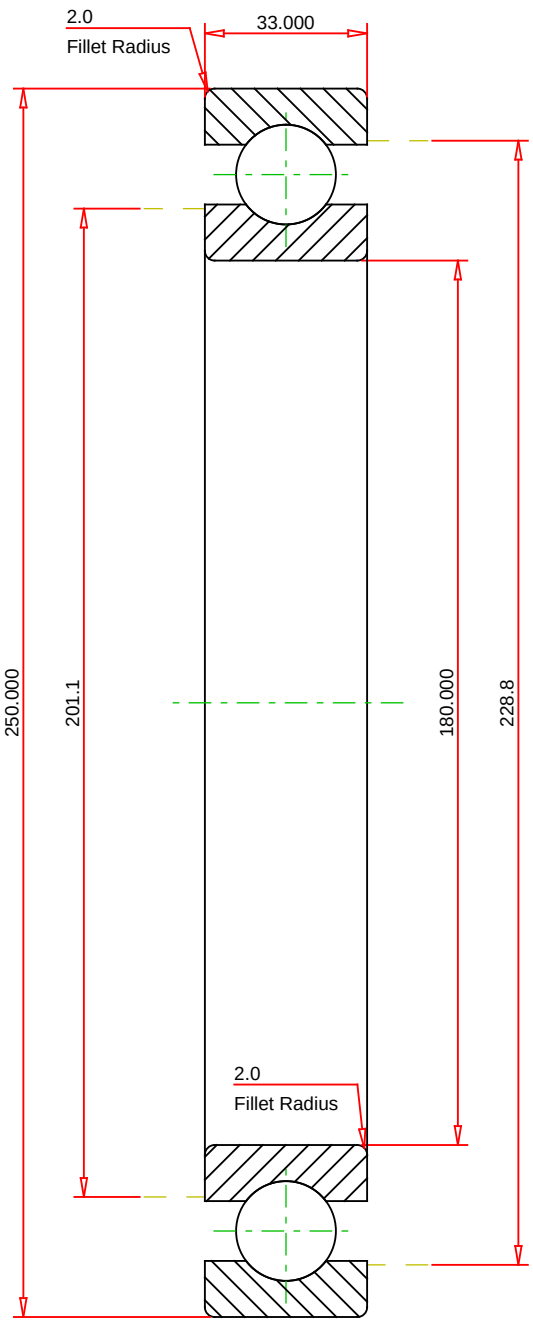
Factors

Limiting Speed (Grease)	1395 rpm
Limiting Speed (Oil)	1628 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.98 mm 0.078 in
r - Outer Ring "To Clear" Radius[3]	1.98 mm 0.078 in
da - Inner Ring Backing Diameter	201.14 mm 7.9190 in
Da - Outer Ring Backing Diameter	228.78 mm 9.0070 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	0.744	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

9336K

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Dynamic Radial Rating	131300	N
		N
Static Radial Rating	133000	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