The Timken Company
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Part Number 75BIC348C0, Fafnir® Maximum Capacity Ball Bearings (200W, 300W)

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	4.445 Kg 9.800 lb

Dimensions

d - Bore	190.50 mm 7.5 in

D - Outer Diameter	254.00 mm 10 in
Bearing Width	31.75 mm 1.25 in

Basic Load Ratings

Ce - Dynamic Radial Rating[1]	121300 N 27300 lbf
C0 - Static Radial Rating	123300 N 27700 lbf

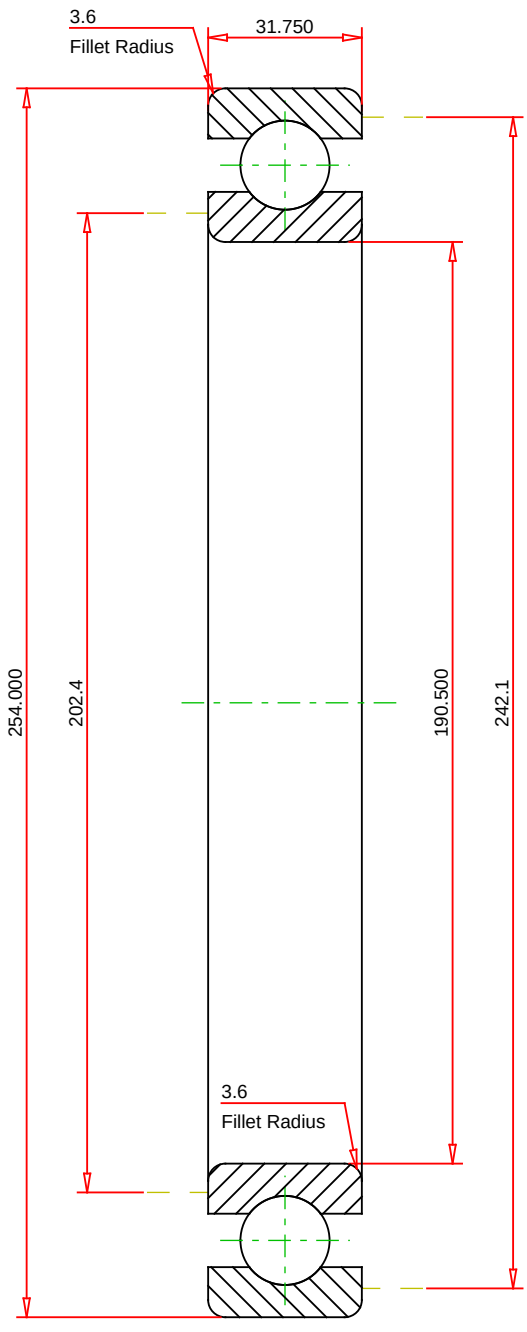
Factors

Limiting Speed (Grease)	1390 rpm
Limiting Speed (Oil)	1621 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	3.56 mm 0.14 in
r - Outer Ring "To Clear" Radius[3]	3.56 mm 0.14 in
da - Inner Ring Backing Diameter	202.41 mm 7.9690 in
Da - Outer Ring Backing Diameter	242.09 mm 9.5310 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	4.445	kg

TIMKEN®

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NORTH CANTON, OHIO USA

75BIC348C0

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Dynamic Radial Rating	121300	N
		N
Static Radial Rating	123300	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