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Part Number 95BIC430 B3, Fafnir® Large Imperial Ball Bearings (XLS, BIC)

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	Imperial
Ball Type	STEEL
Bearing Weight	23.400 lb 10.60 Kg
Manufacturing Part Number	95BIC430B3

Dimensions

d - Bore	9.5000 in 241.300 mm
D - Outer Diameter	12.7500 in 323.850 mm

	323.850 mm
Bearing Width	1.6250 in 41.275 mm

Basic Load Ratings

C0 - Static Radial Rating	45500 lbf 202394 N
Ce - Dynamic Radial Rating[1]	42300 lbf 188160 N

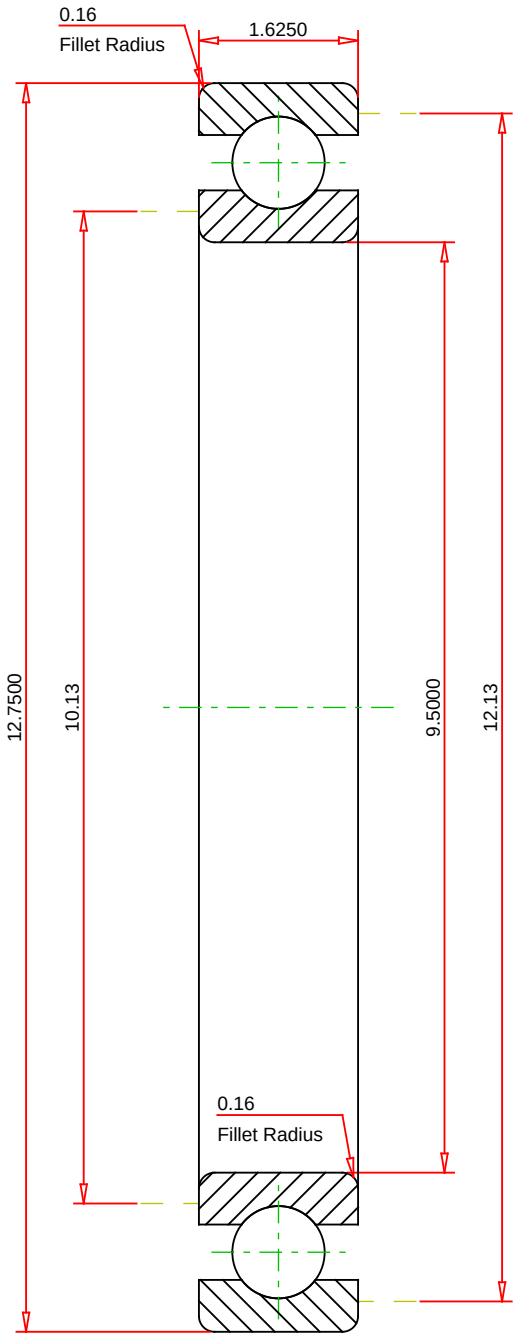
Factors

Limiting Speed (Grease)	1060 rpm
Limiting Speed (Oil)	1240 rpm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.160 in 4.100 mm
r - Outer Ring "To Clear" Radius[3]	0.160 in 4.100 mm
da - Inner Ring Backing Diameter	10.130 in 257.200 mm
Da - Outer Ring Backing Diameter	12.130 in 308.000 mm

[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.



IMPERIAL UNITS

Number of Balls Per Row	19	
Bearing Weight	23.40	lb

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

95BIC430 B3

Fafnir® Large Imperial Ball Bearings (XLS, BIC)

Dynamic Radial Rating	42300	lbf
		lbf
Static Radial Rating	45500	lbf

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