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Part Number 9121K, 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



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Specifications	
Design Units	Metric
d - Bore	105 mm
Ball Type	STEEL

Dimensions	
D - Outer Diameter	160 mm 6.299 in
 Bearing Width	26 mm 1.0236 in

Basic Load Ratings

Ce - Dynamic Radial Rating¹	76954 N 17300 lbf
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C0 - Static Radial Rating	61385 N 13800 lbf
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Factors

Limiting Speed (Grease)	2260 rpm
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Limiting Speed (Oil)	2640 rpm
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	2 mm 0.079 in
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r - Outer Ring "To Clear" Radius³	2 mm 0.079 in
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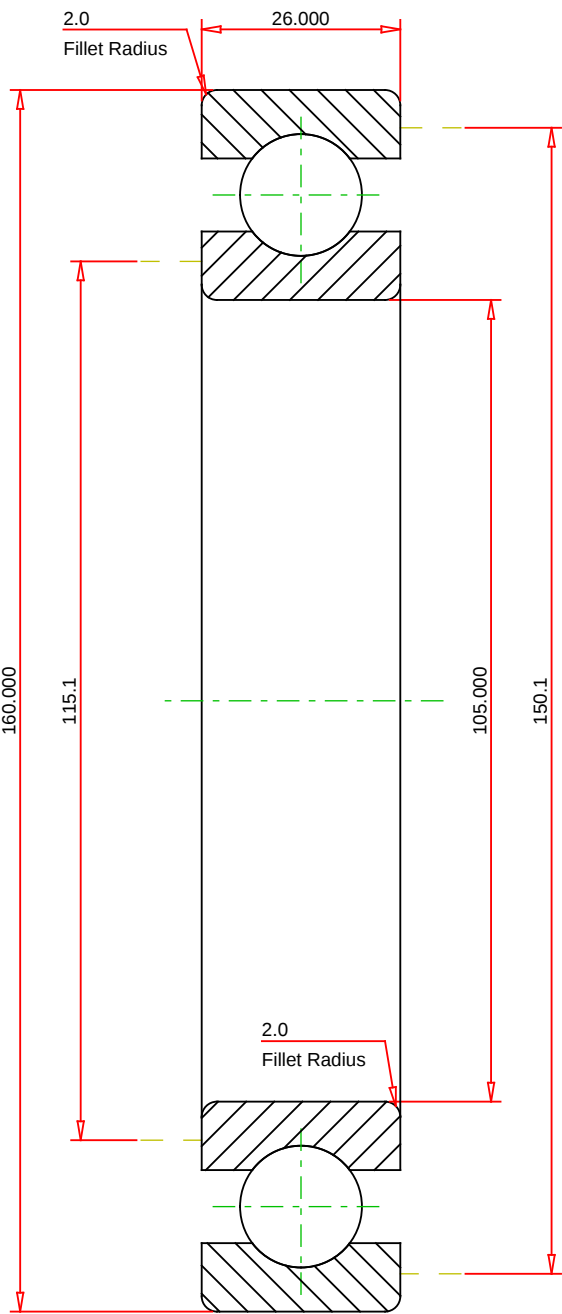
da - Inner Ring Backing Diameter	115.10 mm 4.530 in
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Da - Outer Ring Backing Diameter	150.10 mm 5.910 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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 1.600 kg

TIMKEN®

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NORTH CANTON, OHIO USA

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Dynamic Radial Rating 76954 N
Static Radial Rating 61385 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