



The Timken Company
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Part Number 206W, 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



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Specifications	
Design Units	Metric
d - Bore	30 mm
Ball Type	STEEL
Manufacturing Part Number	206WC2

Dimensions	
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**D - Outer Diameter**

62 mm
2.4409 in

Bearing Width

16 mm
0.6299 in

Basic Load Ratings**Ce - Dynamic Radial Rating¹**

68900 N
15500 lbf

C0 - Static Radial Rating

38000 N
8550 lbf

Factors**Limiting Speed (Grease)**

5435 rpm

Limiting Speed (Oil)

6522 rpm

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**

1 mm
0.039 in

r - Outer Ring "To Clear" Radius³

1 mm
0.039 in

da - Inner Ring Backing Diameter

34.04 mm
1.3400 in

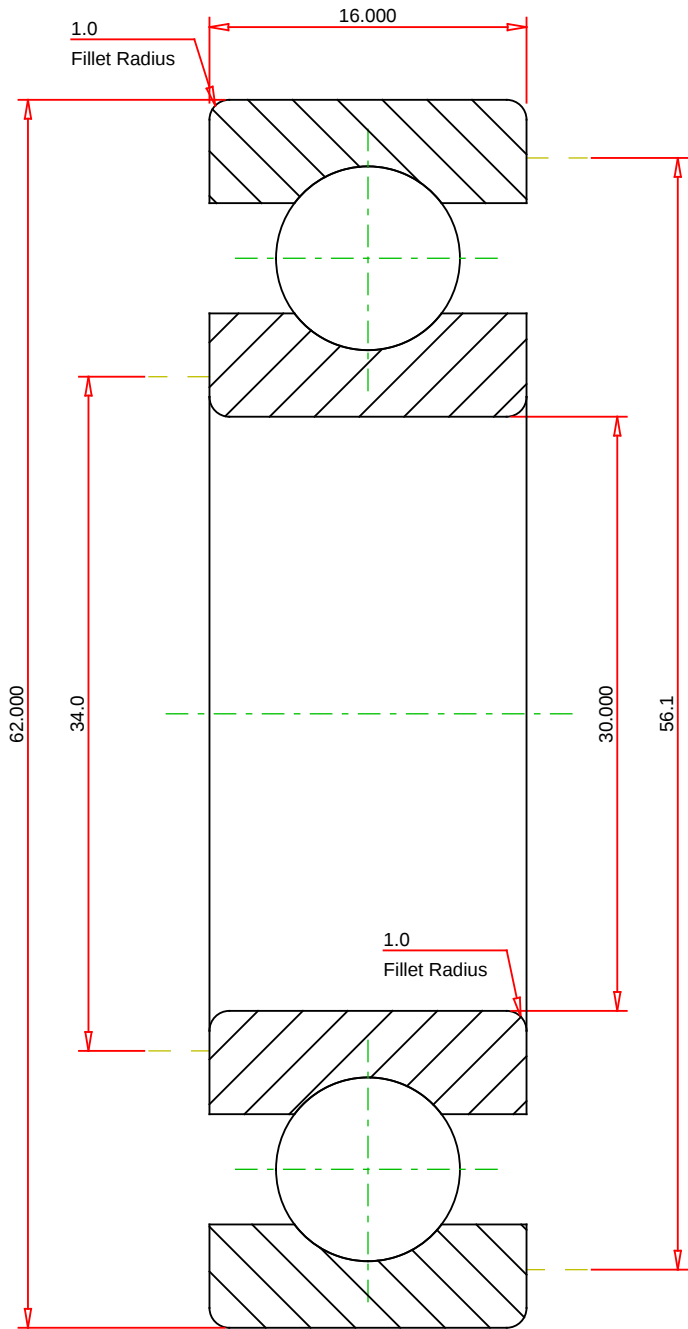
Da - Outer Ring Backing Diameter

56.13 mm
2.210 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	12
Bearing Weight	0.213 kg

TIMKEN[®]

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NORTH CANTON, OHIO USA

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Dynamic Radial Rating	68900	N
Static Radial Rating	38000	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.

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