



**The Timken Company**

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## Part Number 6003-Z, Deep Groove Ball Bearings (6000, 6200, 6300, 6400)

Timken's deep groove ball bearings deliver reliable performance in a wide range of applications and conditions. With super-finished raceways and controlled geometries, our premium design helps ensure consistent quality.



[Specifications](#) | [Dimensions](#) | [Basic Load Ratings](#) | [Factors](#)

### Specifications

Clearance	C0 (Normal)
Bore Size d	17.000 mm
Features	One Shield
Bearing Type	Standard DGBB
Weight	0.040 Kg
Manufacturing Part Number	6003Z

### Dimensions



Outside Diameter D

35.000 mm

<b>Outside Ring Width B</b>	10.000 mm
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<b>Radius Rs min</b>	0.300 mm
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## Basic Load Ratings

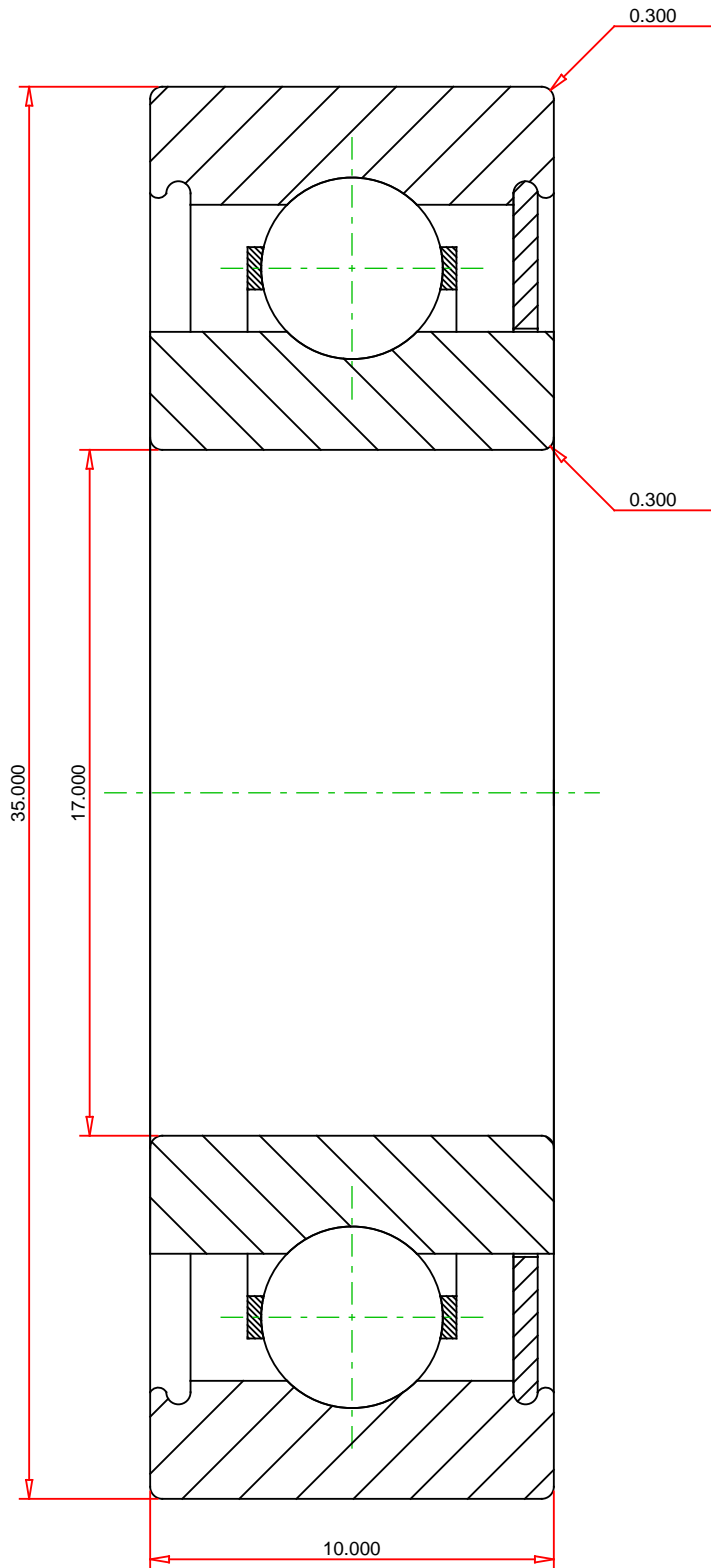
<b>Cr - Dynamic Load Rating</b>	6 kN
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<b>C0r - Static Load Rating</b>	3.3 kN
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## Factors

<b>Grease Reference Speed</b>	19000 rpm
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<b>Oil Reference Speed</b>	28000 rpm
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METRIC UNITS

Weight 0.04 kg

**TIMKEN**®

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NORTH CANTON, OHIO USA

**6003-Z**  
Deep Groove Ball Bearings (6000, 6200, 6300, 6400)

Dynamic Load Rating 6000 N  
Static Load Rating 3300 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**