


**The Timken Company**

4500 Mt Pleasant St. NW

N. Canton, OH 44720

**Phone:** (234) 262-3000

**E-Mail:** [CustomerCAD@timken.com](mailto:CustomerCAD@timken.com) • **Web site:** [www.timken.com](http://www.timken.com)

## Part Number 6004-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

<b>Clearance</b>	C0 (Normal)
<b>Bore Size d</b>	20 mm
<b>Features</b>	One Shield
<b>Bearing Type</b>	Standard DGBB

### Dimensions

<b>Outside Diameter D</b>	42 mm
<b>Outside Ring Width B</b>	12 mm
<b>Radius Rs min</b>	0.6 mm



## Basic Load Ratings

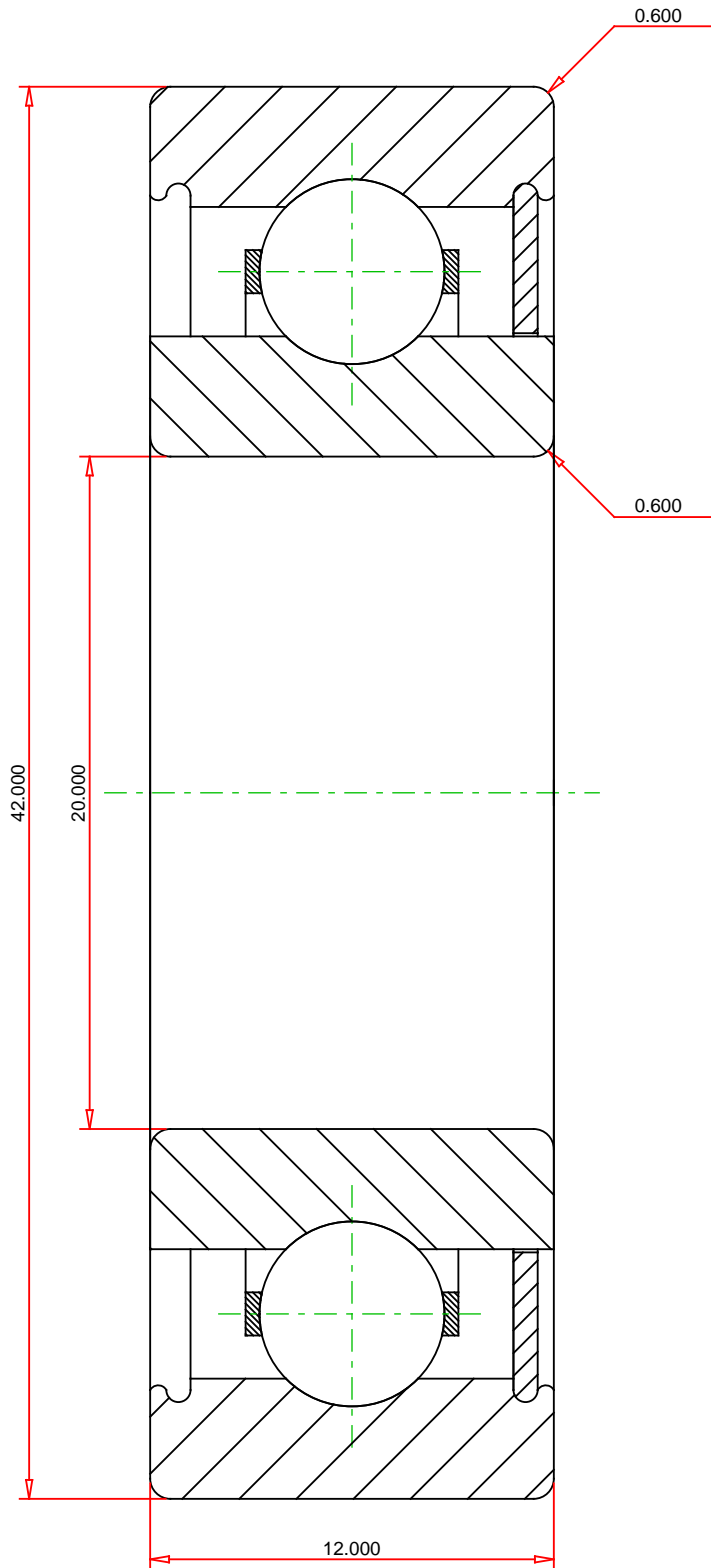
<b>Cr - Dynamic Load Rating</b>	9400 N
---------------------------------	--------

<b>C0r - Static Load Rating</b>	5000 N
---------------------------------	--------

## Factors

<b>Grease Reference Speed</b>	17000 rpm
-------------------------------	-----------

<b>Oil Reference Speed</b>	25000 rpm
----------------------------	-----------



METRIC UNITS

Weight 0.07 kg

**TIMKEN**®

**THE TIMKEN COMPANY**  
NORTH CANTON, OHIO USA

**6004-Z**  
Deep Groove Ball Bearings (6000, 6200, 6300, 6400)

Dynamic Load Rating 9400 N  
Static Load Rating 5000 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**