



**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 6003-RS, 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 Contact Seal
Bearing Type	Standard DGBB
Weight	0.040 Kg
Manufacturing Part Number	6003RS

### Dimensions



Outside Diameter D

35.000 mm

<b>Outside Ring Width B</b>	10.000 mm
-----------------------------	-----------

<b>Radius Rs min</b>	0.300 mm
----------------------	----------

## Basic Load Ratings

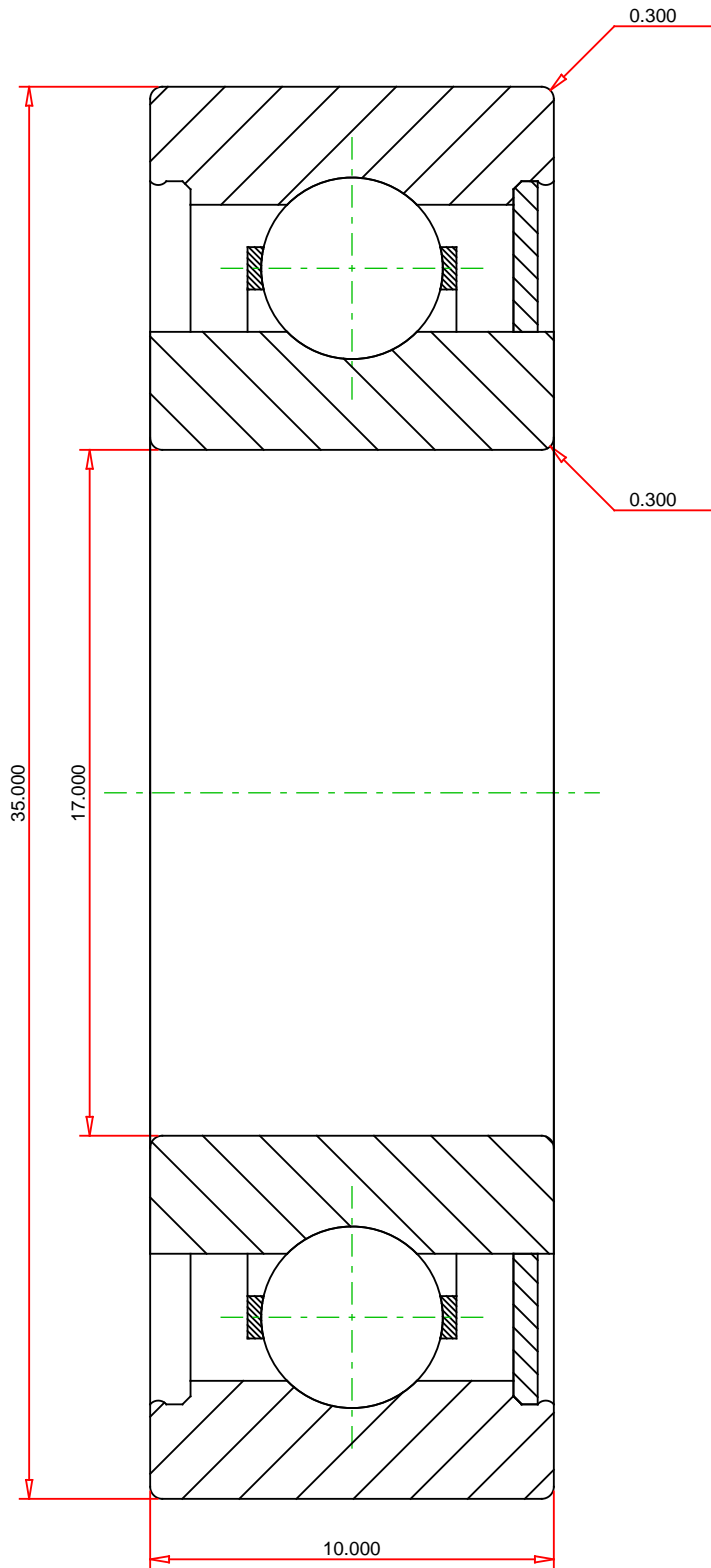
<b>Cr - Dynamic Load Rating</b>	6 kN
---------------------------------	------

<b>C0r - Static Load Rating</b>	3.3 kN
---------------------------------	--------

## Factors

<b>Grease Reference Speed</b>	19000 rpm
-------------------------------	-----------

<b>Oil Reference Speed</b>	28000 rpm
----------------------------	-----------



METRIC UNITS

Weight 0.04 kg

**TIMKEN**®

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

**6003-RS**  
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**