


**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 6312-ZZ-C3, 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>	C3
<b>Bore Size d</b>	60 mm
<b>Features</b>	Shields
<b>Bearing Type</b>	Standard DGBB

**Dimensions**

<b>Outside Diameter D</b>	130 mm
<b>Outside Ring Width B</b>	31 mm
<b>Radius Rs min</b>	2.1 mm



**Basic Load Ratings**

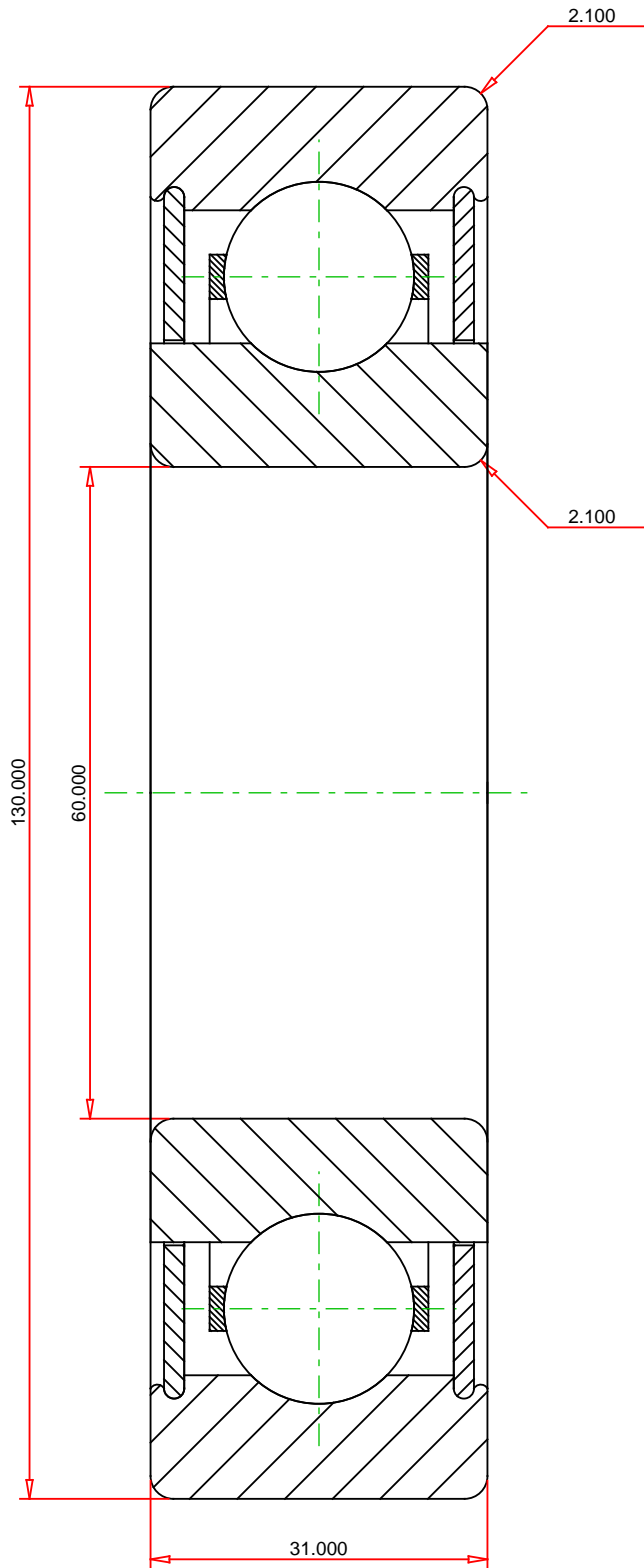
<b>Cr - Dynamic Load Rating</b>	81800 N
---------------------------------	---------

<b>C0r - Static Load Rating</b>	51800 N
---------------------------------	---------

**Factors**

<b>Grease Reference Speed</b>	6400 rpm
-------------------------------	----------

<b>Oil Reference Speed</b>	9100 rpm
----------------------------	----------



**METRIC UNITS**

Weight 1.7 kg

**TIMKEN®**

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

**6312-ZZ-C3**  
Deep Groove Ball Bearings (6000, 6200, 6300, 6400)

Dynamic Load Rating 81800 N  
Static Load Rating 51800 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**