


**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 6012-ZZ, 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>  | 60 mm         |
| <b>Features</b>     | Shields       |
| <b>Bearing Type</b> | Standard DGBB |

**Dimensions**

|                             |        |
|-----------------------------|--------|
| <b>Outside Diameter D</b>   | 95 mm  |
| <b>Outside Ring Width B</b> | 18 mm  |
| <b>Radius Rs min</b>        | 1.1 mm |



**Basic Load Ratings**

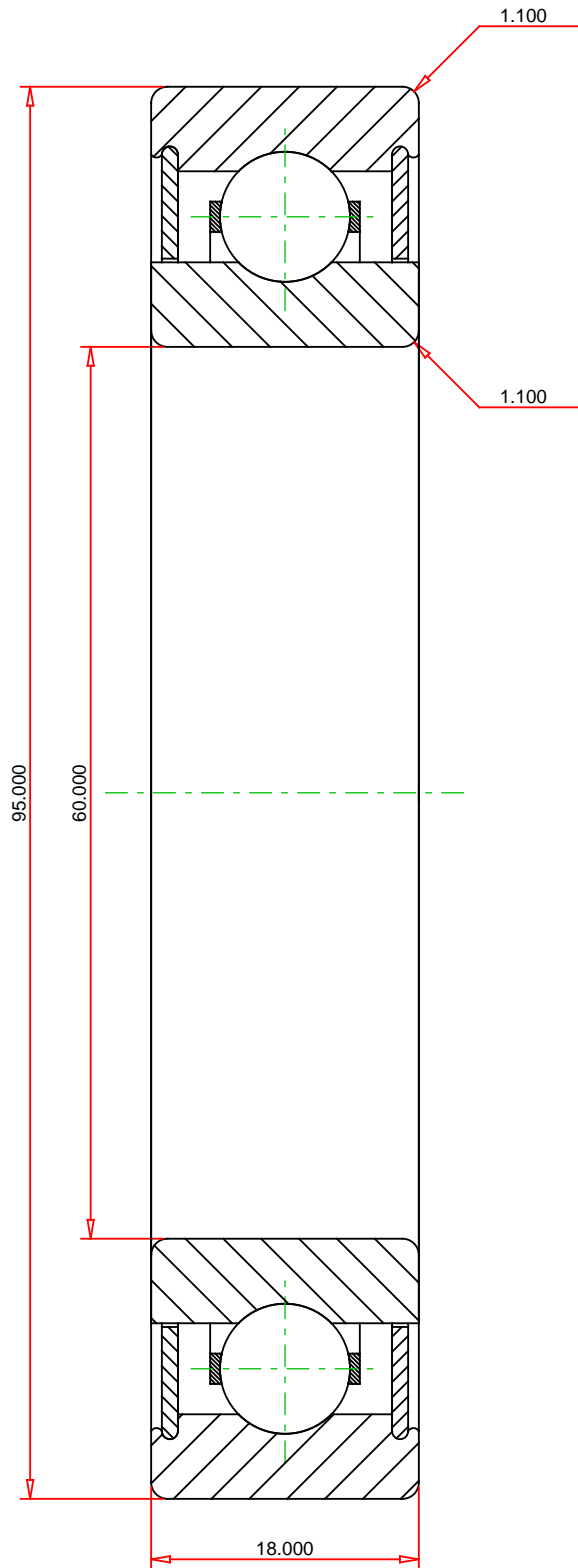
|                                 |         |
|---------------------------------|---------|
| <b>Cr - Dynamic Load Rating</b> | 29500 N |
|---------------------------------|---------|

|                                 |         |
|---------------------------------|---------|
| <b>C0r - Static Load Rating</b> | 22700 N |
|---------------------------------|---------|

**Factors**

|                               |          |
|-------------------------------|----------|
| <b>Grease Reference Speed</b> | 7200 rpm |
|-------------------------------|----------|

|                            |           |
|----------------------------|-----------|
| <b>Oil Reference Speed</b> | 10000 rpm |
|----------------------------|-----------|



METRIC UNITS

Weight 0.39 kg

**TIMKEN**®

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

**6012-ZZ**  
Deep Groove Ball Bearings (6000, 6200, 6300, 6400)

Dynamic Load Rating 29500 N  
Static Load Rating 22700 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**