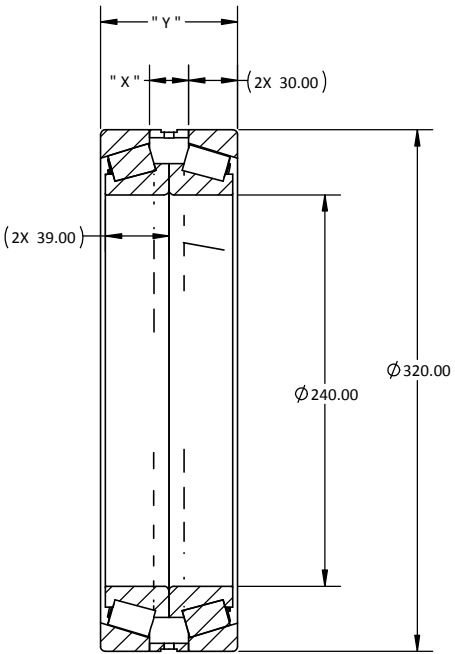
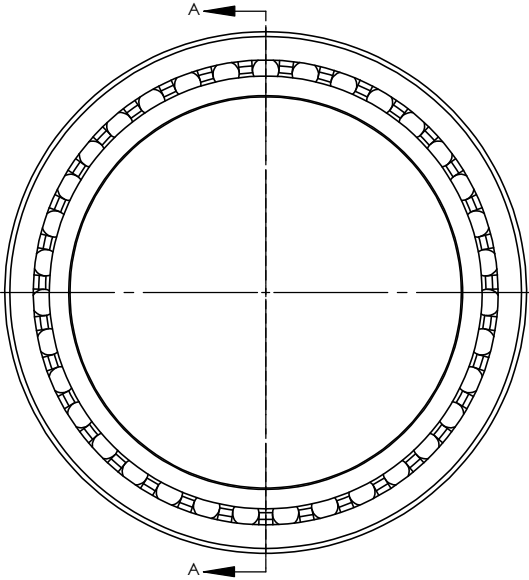
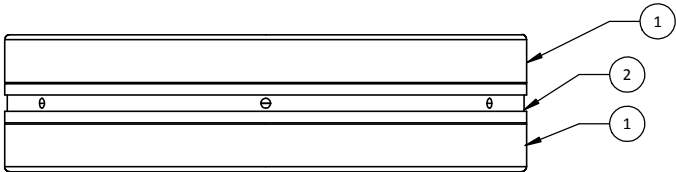


| ITEM NO. | PART NUMBER | DESCRIPTION                                | QTY. |
|----------|-------------|--|------|
| 1        | 93233       | BEARING: SINGLE ROW TAPER ROLLER (LSS-B/C) | 2    |
| 2        | 254505      | SPACER, LS SHAFT BEARING SETTING           | 1    |



SECTION A-A  
SCALE 1 : 3

NOTES:

- "X" AND "Y" TO BE DETERMINED BY TIMKEN TO SUIT BEARING CLEARANCE / PRELOAD SPECIFICATIONS
- ALL DIMENSIONS ARE NOMINAL. REFER TO TIMKEN DRAWING C-86106 FOR ACTUAL SPECIFICATIONS

| REV | CHANGED FROM           | BY  | DATE    | APRD |
|-----|------------------------|-----|---------|------|
| A   | PRE-RELEASE            | CPS | 3/14/13 |      |
| B   | RELEASE FOR PRODUCTION | CPS | 4/19/13 |      |
|     |                        |     |         |      |
|     |                        |     |         |      |

|   |     |                  |          |
|---|-----|------------------|----------|
| REPORT ERRORS & CHANGES<br>REMOVE ALL BURRS AND SHARP EDGES<br>DIMENSIONS ARE IN MILLIMETERS.<br>UNSPECIFIED TOLERANCES:<br>DECIMALS: FINISH: ANGLES: |     |                  |          |
| X: ±1.0   | 6.3 | μm Ra            | ≤ ± 0.5° |
| X: ±0.5   |     |                  |          |
| XX: ±0.25   |     |                  |          |
| COPYRIGHT ©   |     |                  |          |
| NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY  |     |                  |          |
| DRAWN   | CPS | DATE: 3/14/13    |          |
| CHECKED   | NJB | THIRD ANGLE PROJ |          |

|   |                  |              |  |
|---|------------------|--------------|--|
| <b>National Renewable Energy Laboratory</b> |                  |              |  |
| TITLE: BEARING ASS'Y, HOLLOW SHAFT          |                  |              |  |
| SIZE  | DWG. NO.         | REV          |  |
| <b>B</b>                                    | 254787           | <b>B</b>     |  |
| SCALE: 1:5                                  | WEIGHT: 2.77 kgs | SHEET 1 OF 1 |  |