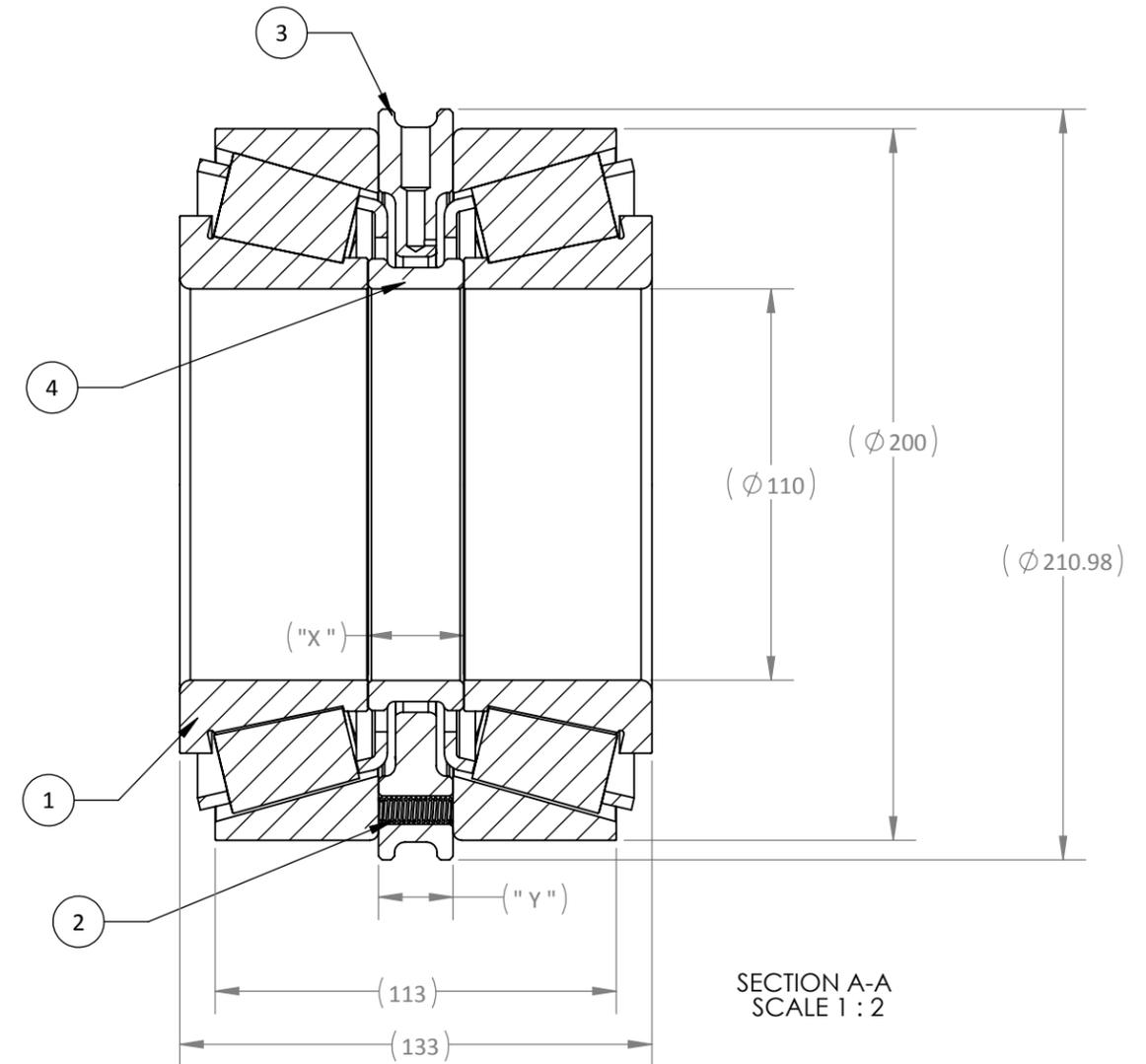
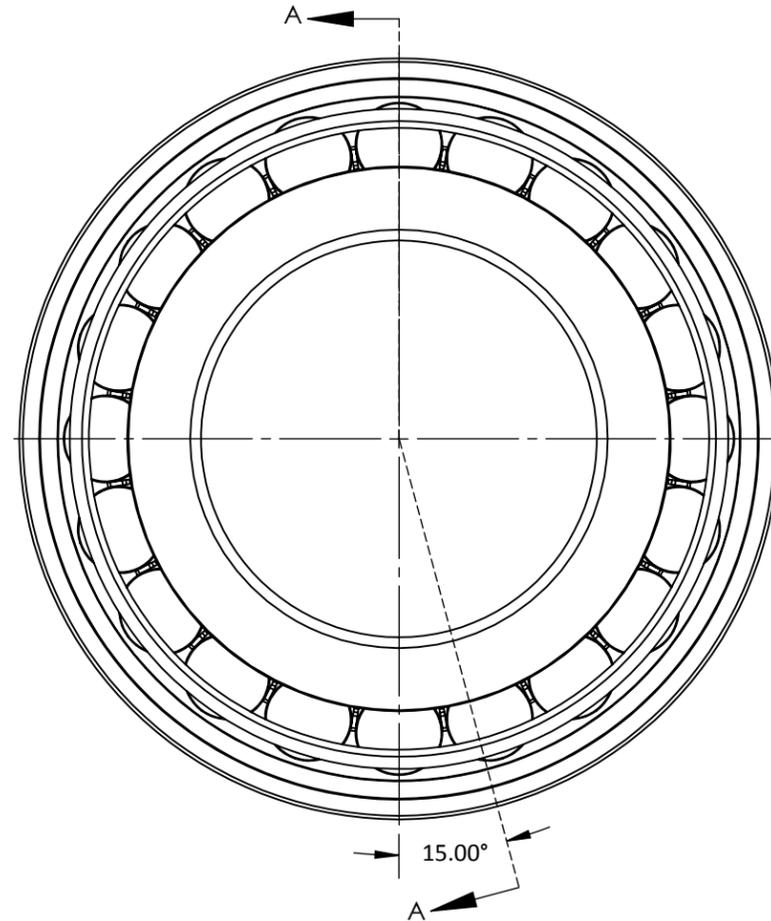
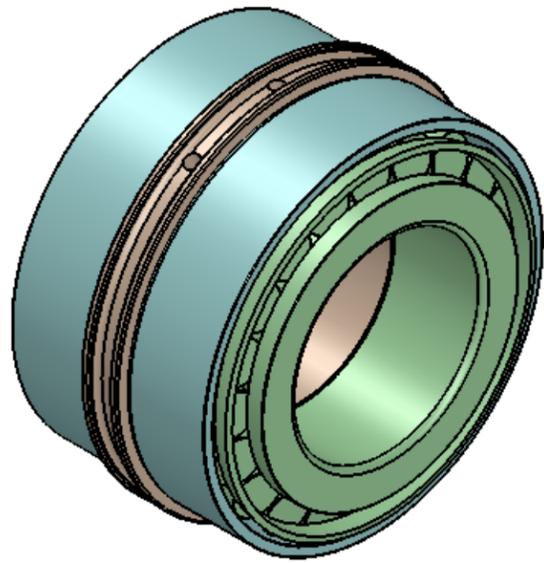


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	93228	BEARING, SINGLE TAPER ROLLER, 110 ID	2
2	98222	SPRING, COMPRESSION, 7.1 x 33 mm	12
3	254516	BEARING SPACER, UPPER HSS	1
4	254556	BEARING SPACER, INNER HSS	1



NOTES:

- TIMKEN TO SIZE WIDTH OF SPACERS #3 & #4 FOR "X" & "Y" REQUIREMENTS PER TIMKEN DRAWING B-171377
- TIMKEN MAY SIZE OD & ID OF SPACER #4 TO BEARING REQUIREMENTS

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	3/11/13	
B	CHANGES PER 1509-DDS-018-A03. RELEASE FOR PRODUCTION	CPS	4/18/13	
C	REPAIR DANGLING DIMENSION LEADERS	JMG	10/18/13	
D	CHANGES REQUESTED PER MANUFACTURER DRW REVIEW	CPG	12/14/13	

REPORT ERRORS & CHANGES
REMOVE ALL BURRS AND SHARP EDGES
DIMENSIONS ARE IN MILLIMETERS.
UNSPECIFIED TOLERANCES:
DECIMALS: FINISH: ANGLES:

X. ±1.0 6.3 / $\sqrt{\mu\text{m Ra}}$ $\leq \pm 0.5^\circ$
.X ±0.5
.XX ±0.25

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OTHER DRAWINGS OR MACHINERY

DRAWN CPS DATE: 3/11/13
CHECKED NJB THIRD ANGLE PRJ

National Renewable Energy Laboratory

TITLE: BEARING ASSEMBLY, HS SHAFT

SIZE **B** DWG. NO. 254623 REV **D**

SCALE: 1:5 WEIGHT: 4.88 kgs SHEET 1 OF 1