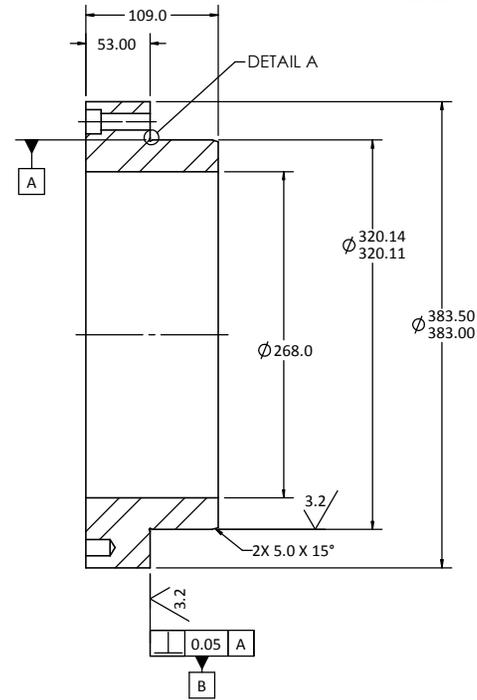


DETAIL A
SCALE 3 : 1



SECTION A-A

MAKE FROM MODEL: 1509-GS-008-B

NOTES:

1. MATERIAL: STEEL BAR OR FORGING GRADE AISI 4140, QUENCHED AND TEMPERED 269-321 BHN PROVIDE INSPECTION REPORTS OR PROOF ACCORDING TO THE PROVISIONS EN-10204-3.1.

2. IDENTIFY WITH PART NUMBER, SUPPLIER CODE NUMBER MANUFACTURERS LOT NUMBER, AND REV. LEVEL

3. ULTRASONIC TESTING: TESTING OF FORGINGS MUST FOLLOW THE PROVISIONS OF EN-10228-3 LEVEL 3 (AGMA A-388- TO AN EQUIVALENT 3 mm FLAT BOTTOMED HOLE IS AN ACCEPTABLE ALTERNATIVE.)

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE. REVIEWED PER 1509-ENC-004	JFC	10/26/12	
B	CHANGES PER NREL DRW REVIEW REQUEST. 6 FROM 3 HOLDOWN BOLTS	CPS	3/12/13	
C	RELEASE FOR PRODUCTION	CPS	4/19/13	

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

\pm 0.1
X \pm 0.5
XX \pm 0.25

6.3 $\sqrt{\mu\text{m}}$ Ra $\leq \pm 0.5^\circ$

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OTHER DRAWINGS OR MACHINERY

DRAWN JFC DATE: 9/11/12
CHECKED NJB THIRD ANGLE PRI

**National Renewable
Energy Laboratory**

TITLE:
CARRIER INSERT, SEMI FINISH

SIZE DWG. NO. REV
B 254515 **C**

SCALE: 1:4 WEIGHT: 34.04 kgs SHEET 1 OF 1