



SECTION B-B

MODEL REFERENCE:1509-HG-014-B

NOTES:

- MATERIAL: AISI 4140 BAR OR TUBE, QUENCH AND TEMPER, 269-321 BHN. ALTERNATIVE MATERIAL: AISI 4150
- IDENTIFY WITH PART NUMBER, SUPPLIER CODE NUMBER, MANUFACTURERS LOT NUMBER, AND REV. LEVEL

REFERENCE: USED IN TIMKEN BEARING ASS'Y C-86106

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	JFC	8/28/12	
B	RADIAL GROOVE AND LUB HOLES ADDED REVIEWED & UPDATED PER 1509-ENC-004	CPS	1/18/13	
C	UPDATE BORDER. RELEASE FOR PRODUCTION	CPS	3/14/13	
D	ALTERNATIVE MATERIAL APPROVED	CPG	3/19/14	

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

DECIMALS: FINISH: ANGLES:

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

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DRAWN JFC DATE: 8/28/12
CHECKED NJB THIRD ANGLE PRJ

National Renewable Energy Laboratory

TITLE: SPACER, LS SHAFT BEARING SETTING

SIZE DWG. NO. REV
B 254505 **D**

SCALE: 1:2.5 WEIGHT: 0.80 kgs SHEET 1 OF 1