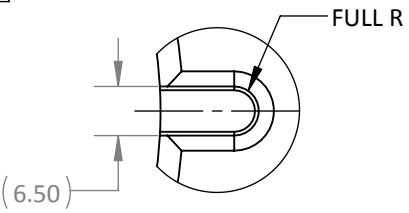
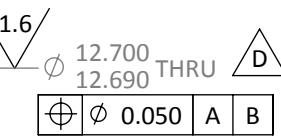
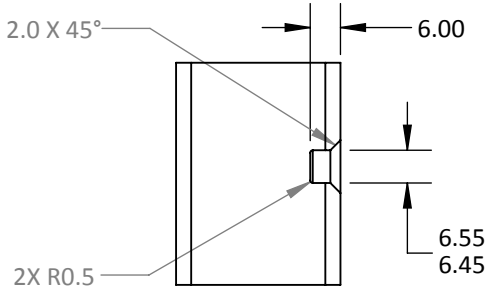
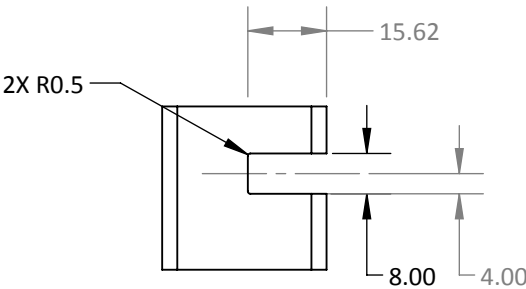
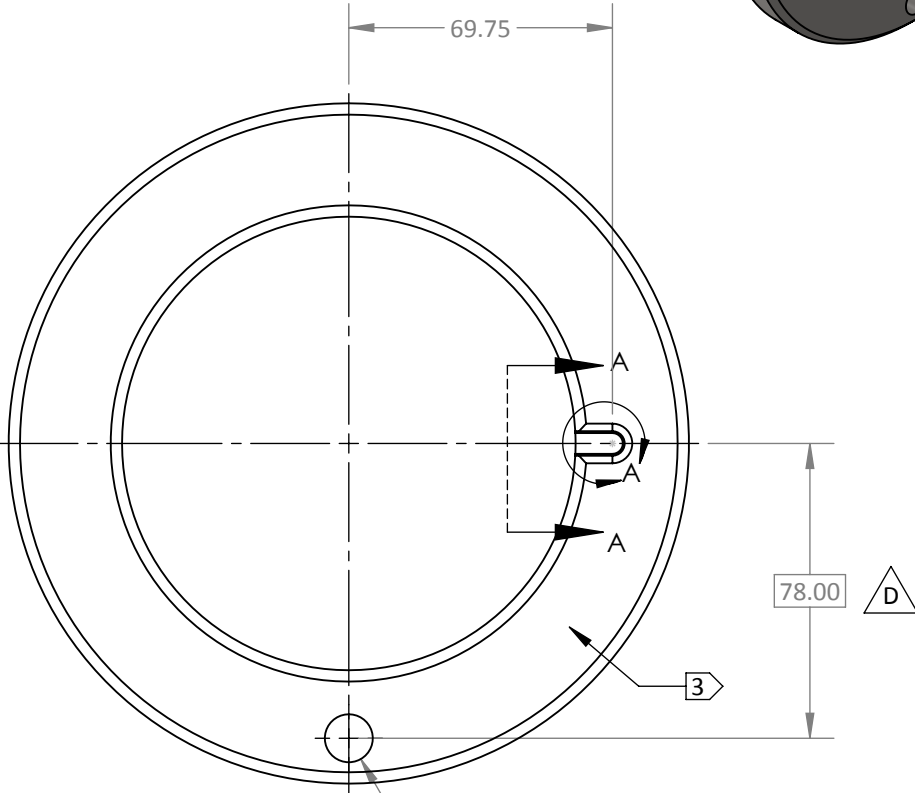


APPROXIMATELY 1MM EXTRA ON "X" & "Y"
FINAL DIMENSIONS FOR "X" & "Y" TO BE
DETERMINED AT ASSEMBLY



NOTES:

1. MATERIAL: 34CrNiMo, ALT AISI 4140H, 4142H, 4340H STEEL BAR STOCK. PROVIDE INSPECTION REPORTS OR PROOF ACCORDING TO THE PROVISIONS EN-10204-3.1.
2. HEAT TREAT: PRE-HEAT TREATED 269-321 BHN
3. IDENTIFY WITH PART NUMBER, REV LEVEL, SUPPLIER INITIALS, JOB NUMBER, AND SHOP ORDER NUMBER
4. NON SPECIFIED FILLETS - R3, NON SPECIFIED CHAMFERS -1x45°

REV	CHANGED FROM	BY	DATE	APRD
A	INITIAL CREATION	JMG	9/24/12	
B	PRE-RELEASE. REVIEWED PER 1509-ENC-004	CPS	1/14/13	
C	CHANGES PER NREL DRW REVIEW. UPDATED BORDER	CPS	3/13/13	
D	RELEASE FOR PRODUCTION	CPS	4/19/13	
E	CHANGES REQUESTED PER MANUFACTURER DRW REVIEW	CPG	12/18/13	

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:			
X. ±1.0 .X ±0.5 .XX ±0.25	3.2 √ μm Ra	≤ ± 0.5°	
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY			
DRAWN	JMG	DATE: 9/24/12	
CHECKED	NJB	THIRD ANGLE PRJ	

National Renewable Energy Laboratory			
TITLE: SPACER, PLANET PIN BEARING			
SIZE B	DWG. NO. 254548	REV E	
SCALE: 1:2	WEIGHT: 2.26 kgs	SHEET 1 OF 1	