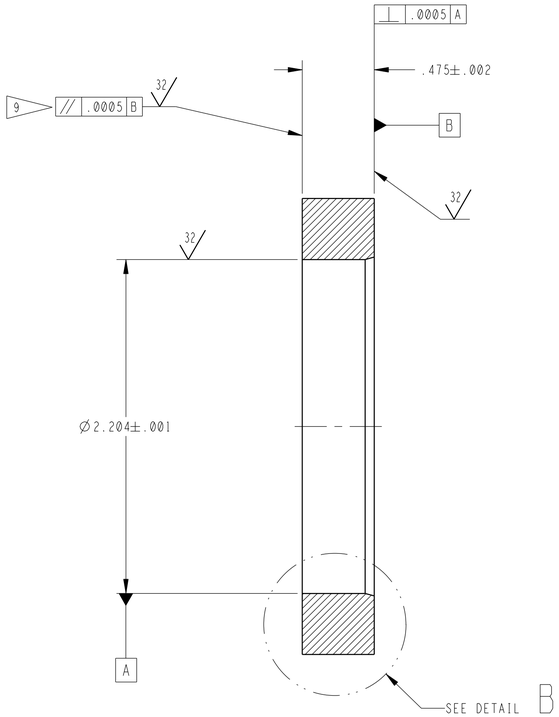
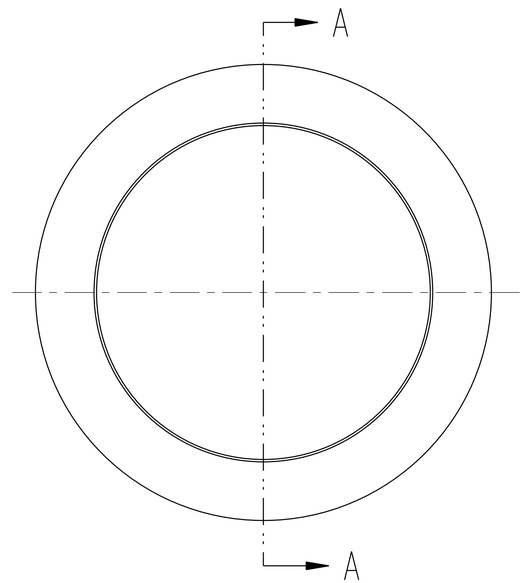
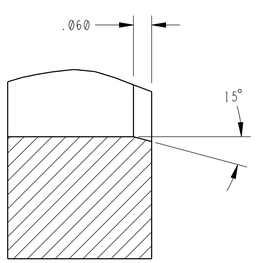
REVISIONS				
REV	ZONE	DESCRIPTION	APPROVAL	REL DATE
-				

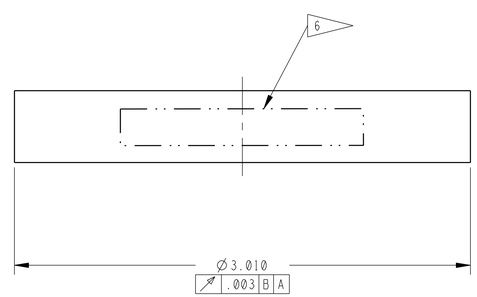


SECTION A - A





DETAIL B
SCALE 4/1



NOTES:

1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.41-2003 EXCEPT AS NOTED BELOW:
   - UNLESS SEPARATE TOLERANCES ARE SHOWN, PERFECT ORIENTATION AT MMC FOR RELATED FEATURES IS REQUIRED.
   - GENERAL ANGULAR TOLERANCE DOES NOT APPLY TO IMPLIED 90 DEGREE ANGLES.
   - FOR PRODUCT DEFINITION DATA SET, REFERENCE MED03657-1 IN MSFC DDMS.
   - ALL DIMENSIONS ARE MODELED AT MEAN VALUE, EXCEPT DRILLED/REAMED HOLES.
   - IGNORE ALL MODEL ANNOTATIONS.
   - AXONOMETRIC VIEWS SHALL NOT BE ANNOTATED.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. MATERIAL: 304L CRES PER ASTM-A479 (UNS S30403).
4. 63 √ ALL MACHINED SURFACES UNLESS OTHERWISE SPECIFIED.
5. PASSIVATE PER SAE-AMS-2700, METHOD 1, TYPE 6.
6. IDENTIFY PART WITH PART NUMBER PER MIL-STD-130, ENGRAVE PART NUMBER IN ACCORDANCE WITH SAE-AS478-3 USING .13 INCH HIGH CHARACTERS. LOCATE APPROXIMATELY AS SHOWN.
7. CLEAN AND MAINTAIN TO VISIBLY CLEAN - SENSITIVE LEVEL PER CxP 70145 PRIOR TO ASSEMBLY.
8. RESERVED.
9. THIS SURFACE TO BE MACHINED TO FIT AT MED03651-1 ASSEMBLY.

MED03657-1 SHOWN

MED03651-1	J-2X OTP
NEXT ASSY	USED ON
APPLICATION (VERIFY IN RELEASE RECORDS)	
DRAWING STATE	Workgroup Approved
DRAWING VERSION	-.1
DRAWING NUMBER	MED03657
DRAWING INFORMATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES

DECIMALS	ANGLES
.XX±0.03 .XXX±0.010	±0.5°

MATERIAL 3

HEAT TREATMENT

FINISH 5

MODEL STATE	Workgroup Approved
MODEL VERSION	-.1
MODEL NUMBER	MED03657-1
MODEL INFORMATION	

ORIGINAL DRAWING APPROVALS

DESIGN ORG.	ER34
DRAWN BY	DWIGHT GOODMAN
ENGINEER	DWIGHT GOODMAN
CHECKER	Do Not Modify (Release data)
MATERIALS	Do Not Modify (Release data)
STRESS	
S & MA	Do Not Modify (Release data)
PRODUC-MANUF	
PRODUC-CONTR	Do Not Modify (Release data)
NEXT ASSEMBLY	Do Not Modify (Release data)
DESN BRANCH CHF	D WHITTEN
RELEASE DATE	2010/04/28

GEORGE C. MARSHALL SPACE FLIGHT CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
HUNTSVILLE, ALABAMA

SHIM, IMPELLER

SIZE	CODE	DRAWING NUMBER	REV
D	339B2	MED03657	-

SCALE 2/1 MASS (UNIT WEIGHT) 0.452 SHEET 1 OF 1

MSFC_DWG_D_FORMAT_REV(A) (AUGUST, 2009)