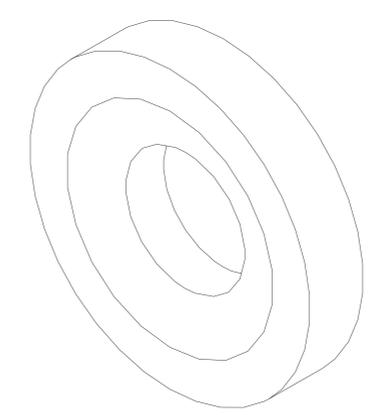
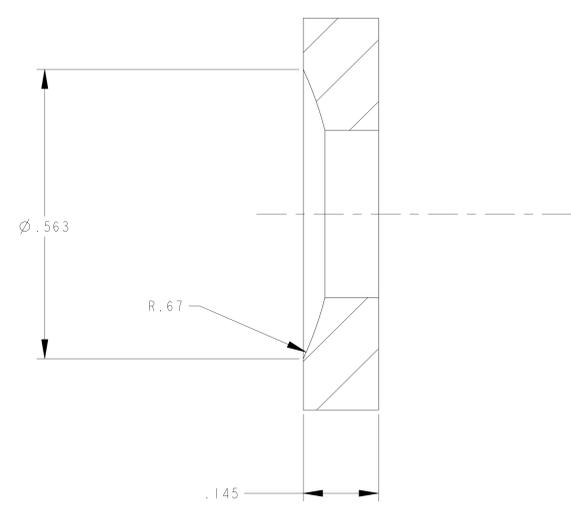
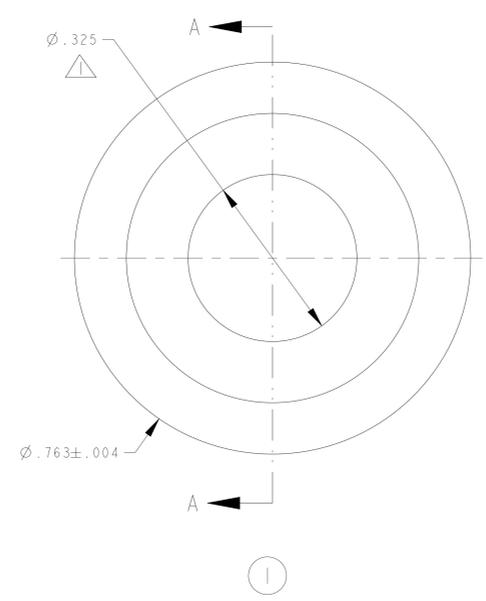


- NOTES:
1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
 2. DIMENSIONS ARE IN INCHES
 3. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K
 4. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES
 5. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART
 6.  MAGNETIC PERMABILITY SHALL NOT EXCEED 1.02 AS TESTED BY A SEVERN-TYPE INDICATOR.



**RELEASED FOR
 FABRICATION / INSTALLATION**
 PPPL Drafting:

SECTION A-A

next assy	AR	-1	PISTON, CONCAVE	A286 SUPERALLOY		
SE1405-277P	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
		NEXT ASSEMBLY	PARTS LIST			

SCALE 8		DES: D WILLIAMSON 1-25-05	UT-BATTELLE <small>Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee</small>									
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRW: G LOVETT 1-25-05	NATIONAL COMPACT STELLARATOR EXPERIMENT									
FRACTIONS : DEPT :		CHK: M COLE 3-05	PISTON, CONCAVE									
XX DECIMALS ± .01		PE: D WILLIAMSON 3-05	VERSION NO. 5									
XXX DECIMALS ± .005		CR: : :	PLANT X-10									
ANGLES ± 0°15'		PJ: : :	BLDG 5700									
BREAK SHARP EDGES .06 MAX		RD: : :	FL 3									
FINISH :25 UNLESS OTHERWISE SPECIFIED		PPPL DRFT J STIEGLE 3-05	SHT OF 1									
			TYPE I									
			CLASS U									
			RELEASE LEVEL Fabrication									
			SE1405-277									
			REV 1									
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
I	REVISE PART AND DRAWING PER ECN 4977	GLL	3-05	MEC			DEW					
REVISION OR ISSUE PURPOSE		REVISION APPROVAL										

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

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SE1405-277