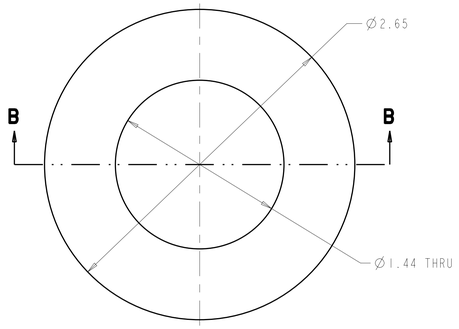
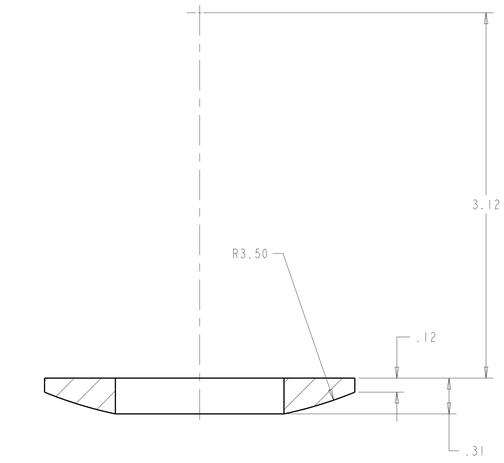
NOTES

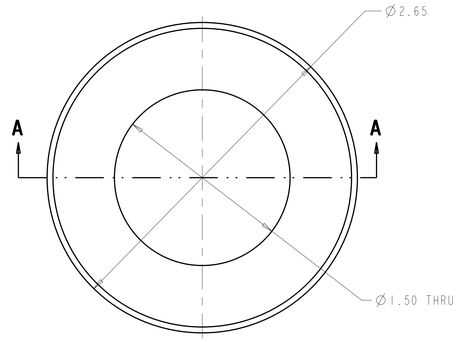
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
3. DIMENSIONS ARE IN INCHES
4. MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR, AVAILABLE FROM:
   SEVERN ENGINEERING
   AUBURN, ALABAMA 36830
   WWW.SEVERNENGINEERING.COM

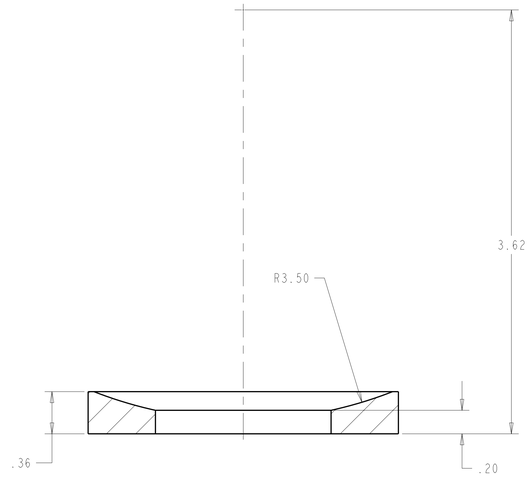




SECTION B-B

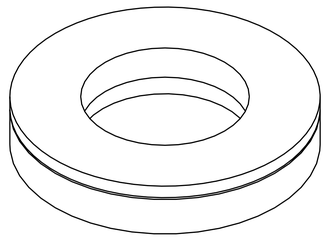
2 MALE SPHERICAL WASHER
SCALE 2.00





SECTION A-A

1 FEMALE SPHERICAL WASHER
SCALE 2.00



ASSEMBLED ISOMETRIC VIEW
SCALE 1.00

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2007.03.14 05:22:07 -05'00'

△

SE140-001	SE140-003	SE140-190	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
AR	AR	AR		-2	MALE SPHERICAL WASHER	UNS S66286 (A286) OR UNS S20910 (NITRONIC 50) DEPENDING ON COST/AVAIL	ASTM A453 GRADE 660B OR ASTM A276	2
AR	AR	AR		-1	FEMALE SPHERICAL WASHER			1

← NEXT ASSEMBLY — PARTS LIST

SE140-194 B

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISED MATL PER ECN-5232	DW	3/07	MC								
0	ORIGINAL ISSUE	GM	02/07									

REVISION OR ISSUE PURPOSE — REVISION APPROVAL

SCALE NOTED
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH .125 UNLESS OTHERWISE SPECIFIED

DRAWING APPROVALS	DATE
DES D WILLIAMSON	02/07
DRW G MCGINNIS	02/07
CHK M COLE	02/07
SECT :	:
DEPT :	:
PE	
CR :	:
PJ :	:
REQ :	:
PPPL DRFT J SIEGEL	02/07
:	:
:	:

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-000R22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

SPHERICAL WASHER SET

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
0	ORNL	5700	3	1	1	S	U

RELEASE LEVEL: WIP — SE140-194 — REV 1

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