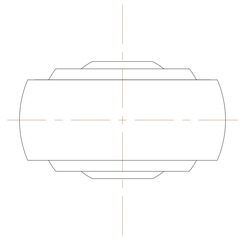
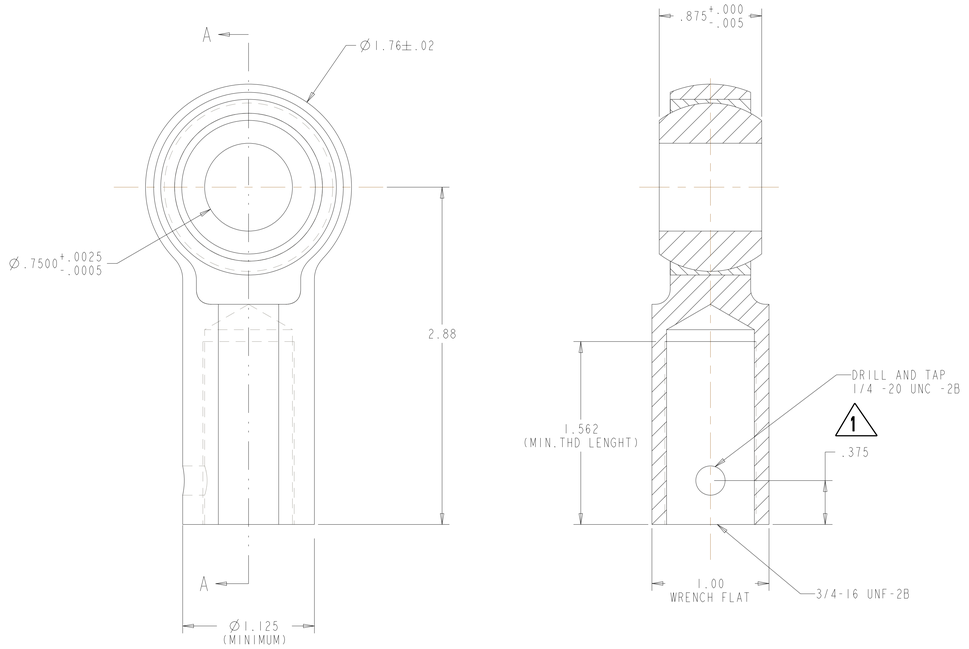
NEXT ASS'Y: FINAL ASS'Y:

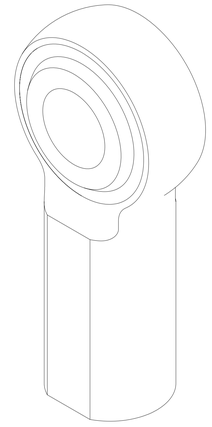
NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
2. DIMENSIONS ARE IN INCHES
3. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F)
4. DRAWING DEPICTS FINAL MACHINED STATE OF PART DEFINED BY PRO/ENGINEER FILE SE124-014.PRT
5. APPROXIMATE WEIGHT= 0.37 lbs.
6. MINIMUM RADIAL ULTIMATE STATIC LOAD REQUIREMENT 29,300 LBS
7. ALL METAL, THREE PIECE ASSEMBLY.
8. MAXIMUM OPERATING TEMPERATURE 662° F.
9. MISALIGNMENT ANGLE SHALL BE A MINIMUM OF ±6 DEGREES
10. MAGNETIC PERMEABILITY SHALL NOT EXCEED 1.02.
11. DRY LUBRICATE MOVING SURFACES WITH A NON-MAGNETIC LUBRICANT SUITABLE FOR OPERATION @ 662°F.





SECTION A-A



ISOMETRIC VIEW

1 SCALE: 2.00

next assy								
SE124-015	AR	AR		-1	VERTICAL SUPPORT ROD END, FEMALE	TITANIUM 6AL-4V		1
SE124-014	AR	AR	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
			← NEXT ASSEMBLY	PARTS LIST				

SE124-014

B

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	ADD LOCKING FEATURE (SET SCREW) PER ECN 5283	GLL	09/07									
0	ORIGINAL ISSUE	GHJ	3/3/05									

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	PAUL MILLER	08-17-04
DRW	PAUL MILLER	08-17-04
CHK	J.M.RAY	04-07-05
SECT	:	:
DEPT	:	:
PE	:	:
CR	:	:
PJ	:	:
REQ	:	:
PPPL QAFT	:	:
	:	:

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

VERTICAL SUPPORT ROD END, FEMALE DETAIL

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
2	X-10	5700	3	1	1	S	U

RELEASE LEVEL: WIP — SE124-014 — REV 1

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