

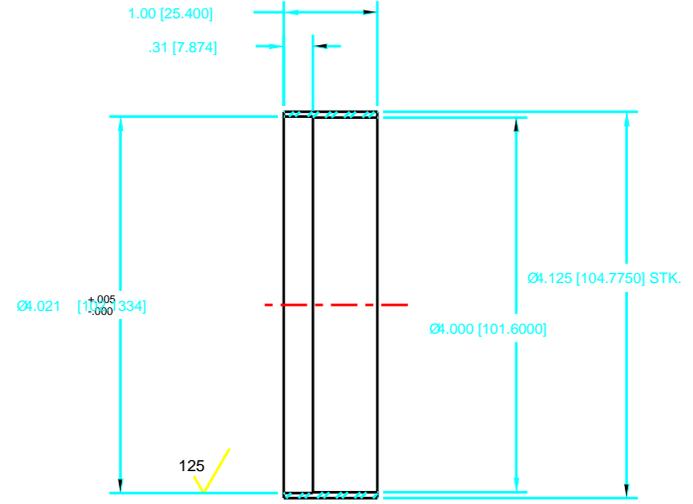
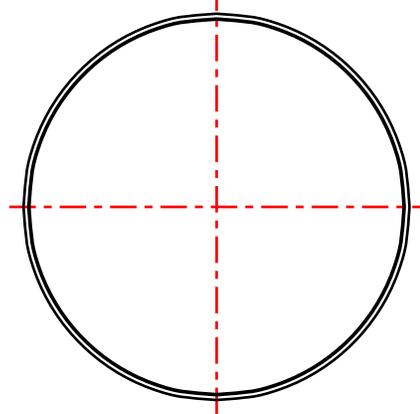
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NOTES:

1. THIS IS A ULTRA-HIGH VACUUM COMPONENT (UHV).
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
3. ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE COMPONENT NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING, AND DRY NITROGEN BLOWDOWN. THE CHAMBER VACUUM SIDE SURFACE ROUGHNESS SHALL BE BETTER THAN 63 MICRORINCH RMS AFTER ELECTROPOLISHING.
4. KEEP THE PART CLEAN AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
5. TOLERANCE SPECIFICATIONS TO CONFORM TO TOLERANCE BLOCK.
6. ALL DIMENSIONS IN [] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.

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| SYM | CHANGE DESCRIPTION | BY | CHKD | DATE |
|-----------|--------------------|----|------|------|
| REVISIONS | | | | |

| ITEM | DWG/PART NUMBER | NOMENCLATURE OR DESCRIPTION | MATERIAL / SPEC | QTY |
|--|--|--|--|-----|
| PARTS LIST | | | | |
| UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .X - .015 - .25 .XX - .010 .XXX - .005 SURFACE ROUGHNESS 250 ✓ REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5 DO NOT SCALE DRAWING | | LOG NUMBER A18064 THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY TITLE ADVANCED PHOTON SOURCE B7 BM BEAM MIS-STEERING SAFETY MONITOR SHORT BELLOW TUBE | | |
| DRAWN BY R. KRAKORA CHECKED BY J. CHANG DESIGNER R. KRAKORA RESPONSIBLE ENGINEER J. CHANG MATERIAL SST 304 Ø.12 X 062 WALL | DATE 3/94 DATE 6/8/94 DATE 6/8/94 DATE 6/8/94 | CHIEF DESIGN ENGINEER D. SHU GP LEADER T. M. KUZAY PROJECT MGR. APPROVED/RELEASED | SCALE 1:1 SHEET 1 of 1 SIZE C DRAWING NUMBER P4105091407-330004-00 | |

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