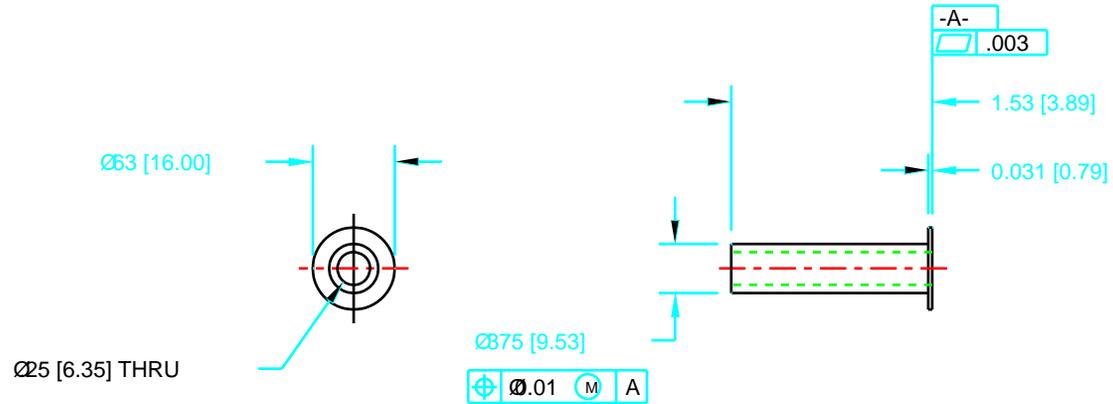


(B)

PLOT SCALE: 1=1

DWG. SCALE: 1



NOTES:

1. 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

2. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.

3. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.

4. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY																													
PARTS LIST																																	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER A1967900	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY																														
<table border="1"> <tr> <th colspan="2">TOLERANCES</th> </tr> <tr> <th>DECIMALS</th> <th>ANGULAR</th> </tr> <tr> <td>.X - .03 [.7620]</td> <td>- .25</td> </tr> <tr> <td>.XX - .01 [0.25]</td> <td></td> </tr> <tr> <td>.XXX - .005 [0.127]</td> <td></td> </tr> </table>		TOLERANCES		DECIMALS	ANGULAR	.X - .03 [.7620]	- .25	.XX - .01 [0.25]		.XXX - .005 [0.127]		<table border="1"> <tr> <td>DRAWN BY MUSCIA</td> <td>DATE 1/30/96</td> <td>CHIEF DESIGN ENGINEER D. SHU</td> <td>DATE</td> <td>TITLE ADVANCED PHOTON SOURCE</td> </tr> <tr> <td>CHECKED BY D. SHU</td> <td></td> <td>GP LEADER T.M. KUZAY</td> <td></td> <td>M1 APS I.D. FRONT END</td> </tr> <tr> <td>DESIGNER SHU/MUSCIA</td> <td>1/30/96</td> <td>PROJECT MGR.</td> <td></td> <td>1-ST FIXED MASK</td> </tr> <tr> <td>RESPONSIBLE ENGINEER D. SHU</td> <td></td> <td>APPROVED/RELEASED</td> <td></td> <td>CONNECTION TUBE</td> </tr> </table>	DRAWN BY MUSCIA	DATE 1/30/96	CHIEF DESIGN ENGINEER D. SHU	DATE	TITLE ADVANCED PHOTON SOURCE	CHECKED BY D. SHU		GP LEADER T.M. KUZAY		M1 APS I.D. FRONT END	DESIGNER SHU/MUSCIA	1/30/96	PROJECT MGR.		1-ST FIXED MASK	RESPONSIBLE ENGINEER D. SHU		APPROVED/RELEASED		CONNECTION TUBE	
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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		MATERIAL 304L STAINLESS STEEL	SCALE 1:1	SIZE B																													
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