

Technical drawing of a shaft assembly. The drawing includes a cross-section view on the left and a side view on the right.

Cross-section view (Left):

- Outer diameter: $\phi .625$
- Inner diameter: $\phi .495$
- Feature: A hole with diameter $\phi .562 \pm .010$ and position tolerance $\phi .010 \text{ A}$.

Side view (Right):

- Overall length: $20.72 \pm .01$
- Feature: A hole with diameter $\phi .625$ and position tolerance A .
- Feature: A hole with diameter $\phi .19 \pm .01$.
- Feature: A hole with diameter $\phi .45$.

UNLESS OTHERWISE SPECIFIED,

- 1) DIMENSIONS AND TOLERANCING PER ASME Y14.5M-1994. ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES. NOT ALL HIDDEN LINES ARE SHOWN.
- 2) THIS IS AN ULTRA HIGH VACUUM (UHV) PART AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M773 BEFORE PERFORMING ANY FABRICATION.
- 3) PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE EXTREME CARE NOT TO DING, SCRATCH, DENT, OR OTHERWISE MARK ANY MACHINED SURFACE.

					MAT 2: _____ NOTES: _____ MAT 1: TUBING, 5/8"OD x .065 WALL, 304 STAINLESS NOTES: _____	
				UNLESS OTHERWISE SPECIFIED TOLERANCES X ± . - , XX ± . - - XXX ± . - - FRACTIONS: ± - / - - ANGLES: ± - , ° / INCH MACH. SURFS.: 125 ✓ OR BETTER	PROJECT NAME:  UNIQUE NUMBER: AL-0002-7199 DO NOT SCALE PRINT CATEGORY CODE: SCALE: 1:1 AL 4153 THIRD ANGLE PROJECTION 	ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA  ALS - INSERTION DEVICE BEAMLINES BL 11.0.1 MONOCHROMATOR AIR GUARD SUPPLY TUBE MACHINING
A	knolls	pallon	12-19-20	INITIAL REVISION	REF: ASME Y14.5M-1994, THREADS ARE CLASS 2 BREAK EDGES .016 MAX. ON MACHINED WORK	
REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION	REMOVE BURRS, WELD SPLATTER & LOOSE SCALE	SHEET 1 OF 1 SIZE: D DWG NO: 26B030 REV A