

NOTES: 1. THIS IS A UHV PART. ELECTROPOLISHING IS NEEDED. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.

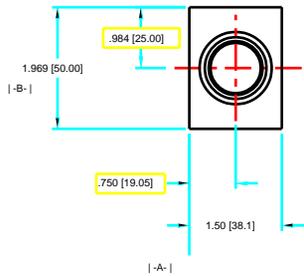
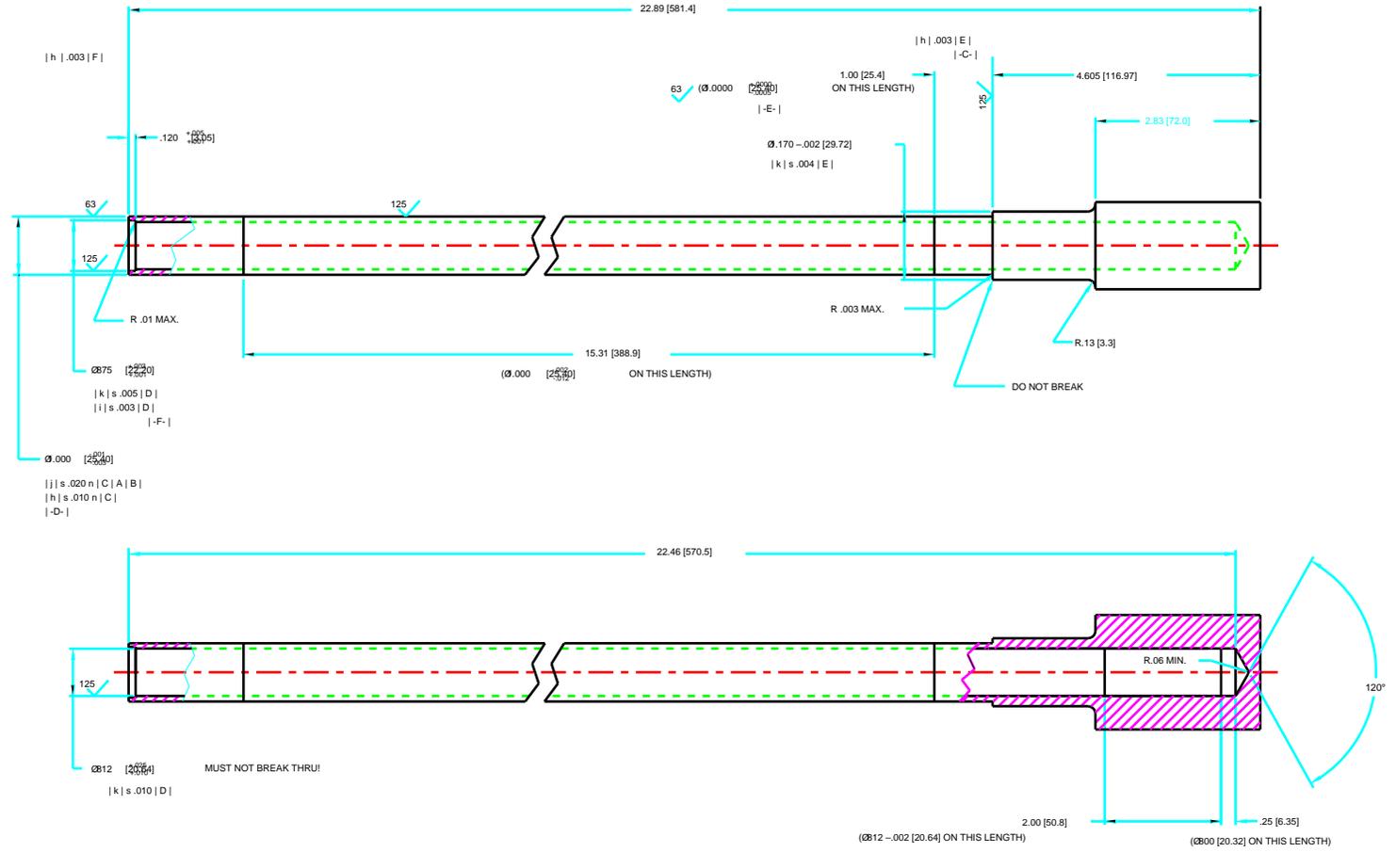
2. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.

3. 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

4. ALL DIMENSIONS WITH ARE IN MILLIMETERS

5.  $\sqrt{32}$  FINISH UNLESS OTHERWISE SPECIFIED



ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES				
TOLERANCES:				
A2318400				
ARGONNE NATIONAL LABORATORY				
ADVANCED PHOTON SOURCE				
P9-50 INTEGRAL SHUTTER (E)				
COOLING BLOCK & TUBE				
MATERIAL: OFHC COPPER				
SCALE: 1:1				
SHEET: 1 of 1				
DRAWING NUMBER: P4105090909-520201-00				

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
	REVISIONS			