

(B)

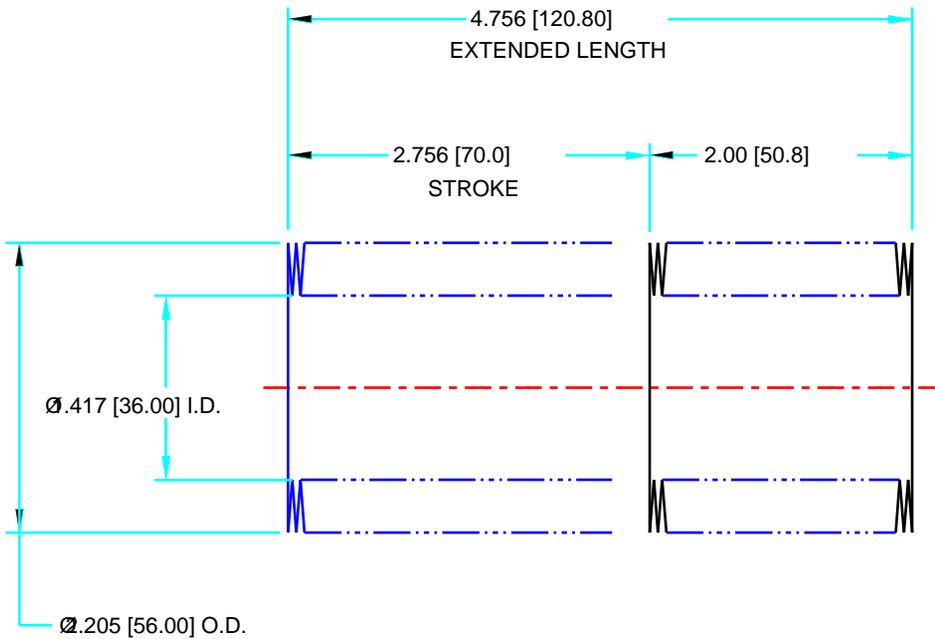
PLOT SCALE: 1=1

DWG. SCALE: 1

A14419

NOTES:

1. THIS IS A UHV PART. A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN IS NEEDED BEFORE WELDING.
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 MILLIMETERS
5. THE BELLOW SHALL BE DESIGNED FOR 500,000 CYCLES LIFETIME IN 14.7 PSI INTERNAL PRESSURE APPLICATION.



ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .X - .03 - .25 .XX - .01 .XXX - .005 SURFACE ROUGHNESS 125 ✓ 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		LOG NUMBER A14419	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY	
DRAWN BY J.G.	DATE 11/2/93	CHIEF DESIGN ENGINEER D.SHU	DATE 3/29/94	TITLE ADVANCED PHOTON SOURCE A3 LIGHT LOAD PNEUMATIC 70mm - 8" LINEAR ACTUATOR BELLOWS & FLANGES WELDMENT 70 mm STROKE BELLOW
CHECKED BY J.CHANG	DATE 3/29/94	GP LEADER T.M.KUZAY	DATE 4/1/94	
DESIGNER J.G.	DATE 11/2/93	PROJECT MGR.	DATE	
RESPONSIBLE ENGINEER J.CHANG	DATE 3/29/94	APPROVED/RELEASED	DATE	
MATERIAL SST 304L			SCALE 1:1	SIZE B
DO NOT SCALE DRAWING			SHEET 1 of 1	DRAWING NUMBER P4105090103-830204-00

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				