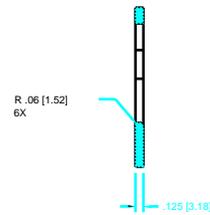


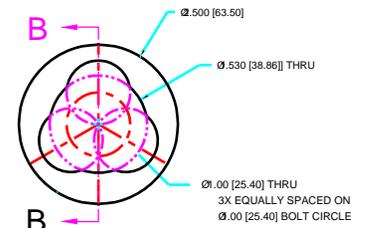
2 REQ'D
WELD SUPPORT RINGS BETWEEN BELLOWS SEGMENTS 3&4 AND 5&6.

END FLANGE
STANDARD BELLOWS
TYPE E
2X

SECTION A-A



SECTION B-B



ITEM 2
SUPPORT RING, 2 REQ'D

MAX. EXTENDED LENGTH (DIM. A)	6.46 [164.08]
MAX. COMPRESSED LENGTH (DIM. A)	2.05 [52.07]
MAX. INSTALLED LENGTH (DIM. A)	4.80 [121.92]
MIN. INSTALLED LENGTH (DIM. A)	2.67 [67.82]
MAX. LATERAL OFFSET (DIM. B)	.06 [1.52]
NUMBER OF SEGMENTS	9
NUMBER OF SUPPORT RINGS	2
PRESSURE - INTERNAL	15 psi
NUMBER OF CYCLES	10,000

NOTES:

1. PURCHASE FROM STANDARD WELDED BELLOWS COMPANY OR APPROVED EQUAL.
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE, SULPHUR-BASED CUTTING FLUIDS AND ABRASIVES IS PROHIBITED. USE TRIM SOL OR APPROVED EQUAL LUBRICANT.
3. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTING AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
4. FOR COMPLETE WELDING SPECIFICATIONS, SEE ANL DOCUMENT #AMS 2685C.
5. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS.

SUGGESTED SOURCE:

STANDARD WELDED BELLOWS
375 TURNPIKE AVENUE
WINDSOR LOCKS, CN 06096
PHONE: (203)-623-2307

2	THIS DWG.	SUPPORT RING 2.500 O.D. x 1.218 I.D. x .04 THK.	304 OR 304L STAINLESS STEEL	2
1	STANDARD BELLOWS #250-175-3-EE	WELDED BELLOWS, 3 SEGMENTS 2.500 O.D. x 1.750 I.D.	347 OR 347L STAINLESS STEEL	3
ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS ANGLE X .001 (0.025) .001 XX .002 (0.050) .002 XXX .005 (0.125) .005				
LOG NUMBER A11704		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DRAWN BY PJE	DATE 6/93	CHIEF DESIGN ENGINEER D. SHU	DATE 01/94	TITLE ADVANCED PHOTON SOURCE F1-APS ID FILTER BELLOWS DETAIL
DESIGNED BY C. BRITE	DATE 11/93	PROJECT MGR. T.M. KUZAY	DATE 01/94	
DESIGNER C. BRITE	DATE 8/93	RESPONSIBLE ENGINEER C. BRITE	DATE 11/93	
MATERIAL SEE PARTS LIST		APPROVED/RELEASED		
BYM		SCALE 1:1		SHEET 1 of 1
CHANGE DESCRIPTION		BY		CHKD
REVISIONS		DATE		DO NOT SCALE DRAWING
		DRAWING NUMBER D P4102010107-220001-00		