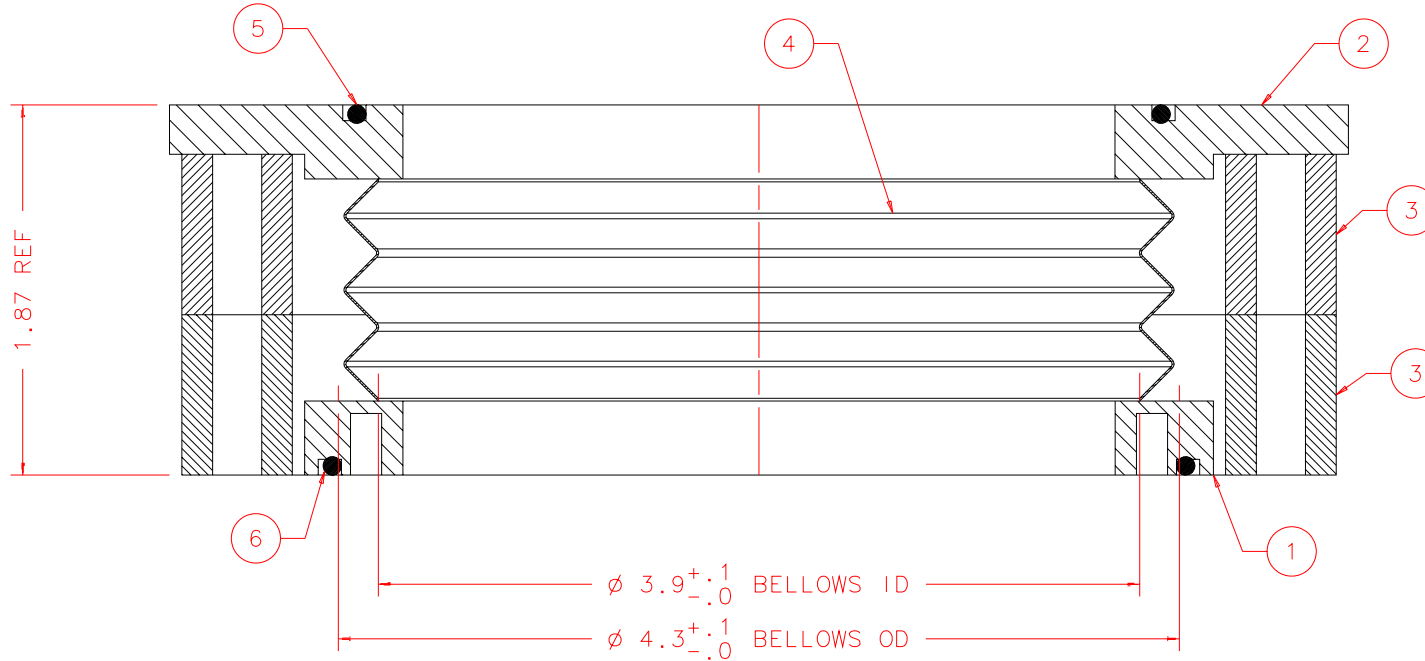


NOTES: UNLESS OTHERWISE NOTED

1. MACHINED SURFACE ROUGHNESS 64
- O-RING GROOVES AND SURFACES 32
2. REMOVE ALL BURRS/SHARP CORNERS

NOTE:
BELLOWS MUST BE
DESIGNED TO
PERFORM UNDER
HIGH VACUUM
APPLICATION

BILL OF MATERIAL				
NO.	REQ'D	REF DRW	DESCRIPTION	MATERIAL
N/A	1	SD1-001A	BELLOWS	N/A
1	1	SD1-011A	BELLOWS FLANGE +Z	STAINLESS 303
2	1	SD1-012A	BELLOWS FLANGE -Z	STAINLESS 303
3	2	SD1-013A	ISOLATION RING	NEOPRENE DUR50
4	1	N/A	BELLOWS	STAINLESS
5	1	N/A	O-RING 2-155	BUNA-N
6	1	N/A	O-RING 2-156	BUNA-N



SECTION A-A

REVDATE: 04/20/99	REVISION: UPDATE DRAWING	
REVDATE: N/A	REVISION: N/A	
DATE: 04/10/97	INSTITUTE FOR ASTRONOMY 2680 WOODLAWN DR. HONOLULU, HI 96822	
DESIGN: STAHLBERGER		
DRAWN: STAHLBERGER	INSTRUMENT: SPEX - CROSS DISPERSED SPECTROGRAPH	
APPR'D: J. RAYNER	PART NAME: BELLOWS	
TOLERANCES		
X.X	+/- .015	
X.XX	+/- .005	
X.XXX	+/- .002	
ANGLE	+/- 30 min	
FRACTION	+/- 1/32	
SD0-001B	DRW NO: SD1-001A	SCALE: 1:1
NEXT ASSY	SIZE: A	JOS NO: 725
		SHEET: 1 OF 1

PLOT: 10/19/99