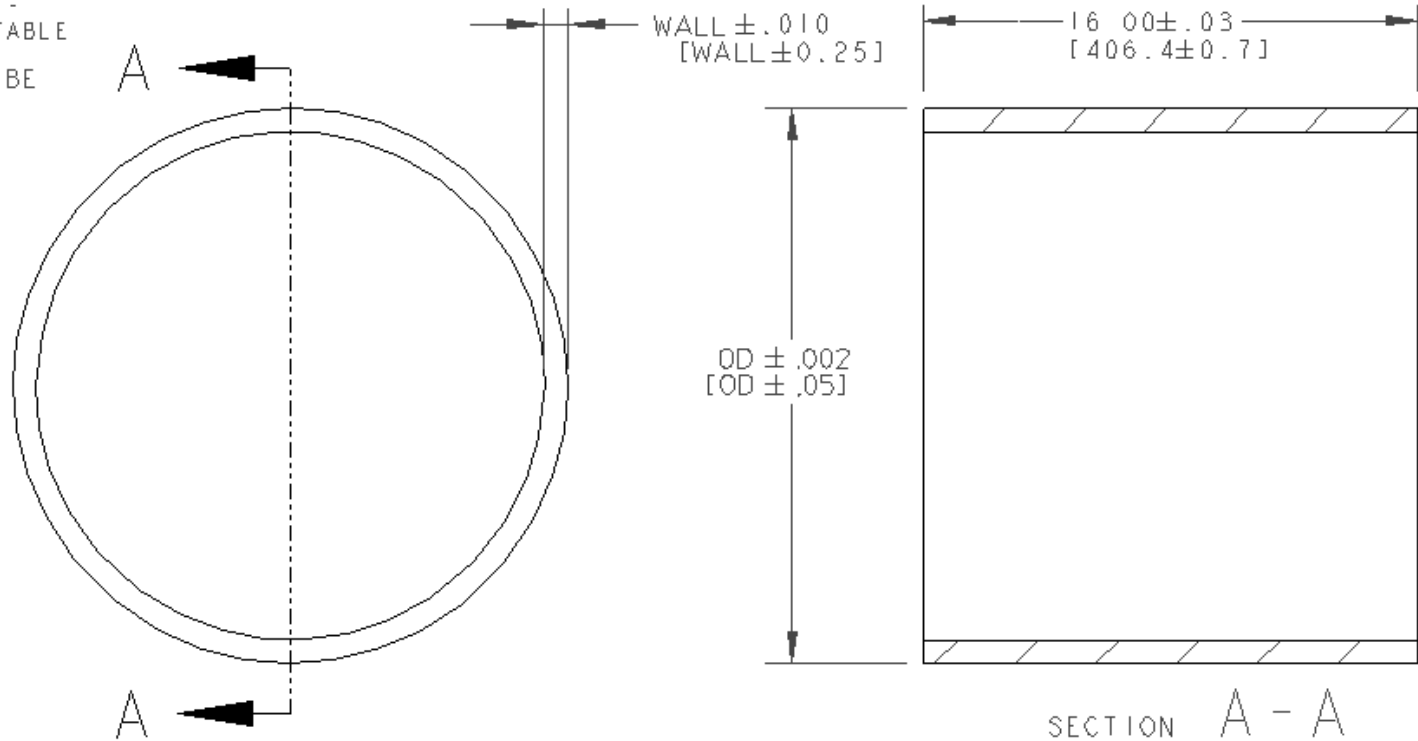


MATERIAL	OD"	OD (MM)	WALL"	WALL (MM)
STEEL	17.933	455.487	.32	8
ALUMINUM	17.939	455.639	1.10	28

NOTES:
1. TWO MANDRELS ARE REQUIRED -
1 STEEL AND 1 ALUMINUM. SEE TABLE
FOR DIMENSIONS.
2. SURFACE FINISH ON OD MUST BE
AT LEAST 32 MICROINCHES.
3. DIMENSIONS GIVEN IN INCHES[MM].



				UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER. NO. -		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY	
				TOLERANCES		NO. SEE TABLE		DATE 1/3/02			
				X.X ± 0.1		NO. TO		DATE 1/3/02			
				X.XX ± 0.03		NO. TO		DATE 1/3/02			
				X.XXX ± 0.010		FINISH 125/1000		SURFACE DEGREASE		ATLAS PIXEL DETECTOR PIXEL SUPPORT TUBE TEST LAYUP MANDREL	
				DO NOT SCALE PRINT		TOLERANCE METHOD TAG		PROJECT NUMBER N/A			
				THREADS ARE CLASS 7		PROJECT NAME N/A		PROJECT NAME N/A			
				CHAMFER ENDS OF ALL SCREEN THREADS 30°		DNG BY N. HARTMAN		DATE 7-JAN-02			
				CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS		CHK BY None		DATE		MICROFILMED DNG. TYPE PART SHOWN ON PATENT CLEAR: DESIGN ACCT. NO. AP6300	
				BREAK EDGES .015 MAX. ON MACHINED YORK		APR BY L. ANDERSSON		DATE			
				REMOVE BURRS, FIELD SPLATTER & LOOSE SCAL							
				IN ACCORDANCE WITH ASME Y14.5M & B46.1							
A				1/8		WALL THICKNESSES REDUCED.				SCALE 1/4 DO NOT SCALE PRINTS SHEET 1 OF 1	
REV DWG CHK ZONE DATE				CHANGES						DNG. NO. 21F5412 SIZE A REV.	