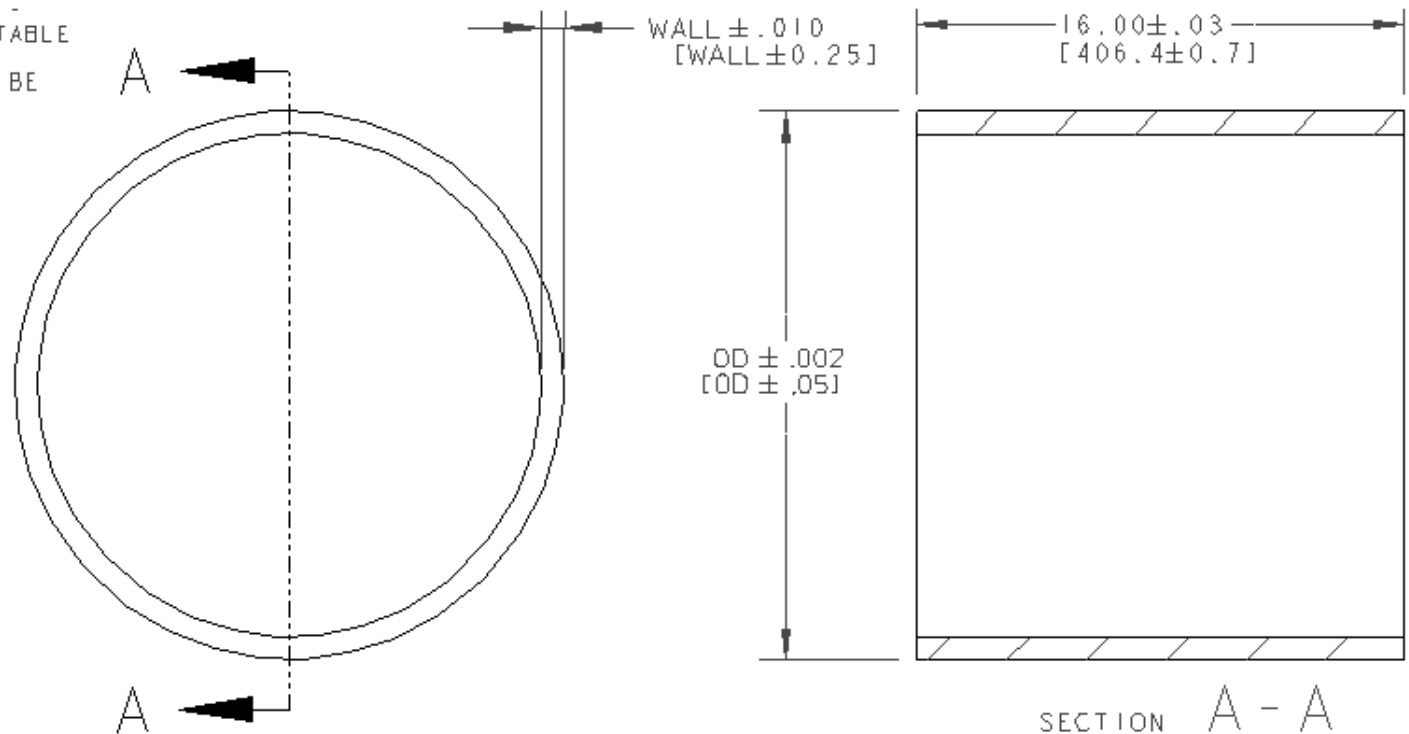


MATERIAL	OD"	OD (MM)	WALL"	WALL (MM)
STEEL	17.933	455.487	.39	10
ALUMINUM	17.939	455.639	1.40	35

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		SUPP. NO. - DATE ISSD - DATE RECD -		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY		
				X.X ± 0.1 TRAC. ± 1/64 X.XX ± 0.03 Angles ± 1.00° X.XXX ± 0.010 FINISH $\sqrt{\frac{125}{\text{sq in}}}$		ACCT. NO. - NO. SEE TABLE SURFACE TREATMENT DEGREASE IDENT. METHOD 1/6 PROJECT NUMBER N/A PROJECT NAME N/A		DATE 7-JAN-02 DATE DATE		ATLAS PIXEL DETECTOR PIXEL SUPPORT TUBE TEST LAYUP MANDREL		
DO NOT SCALE PRINT				THREADS ARE CLASS 2 CHAMFER ENDS OF ALL SCREW THREADS 30° CUT ROUNDS .15 THREAD R/L/LL ON MACHINED THREADS BREAK EDGES .016 MAX ON MACHINED SURF. REMOVE BURRS, WELD SPATTER & LOOSE SCALE IN ACCORDANCE WITH ASME Y14.5M & B46.1		DWG. BY N. HARTMAN CHK. BY None APP. BY L. ANDERSSON		DATE 7-JAN-02 DATE DATE		MICROFILMED DWG. TYPE PART SHOWN ON PATENT CLEAR: DESIGN ACCT. NO. AP6300		SCALE: 1/4 SHEET 1 OF 1 Dwg. NO. 21F5412 SIZE REV.
REV	DWG	CHK	ZONE	DATE	CHANGES							