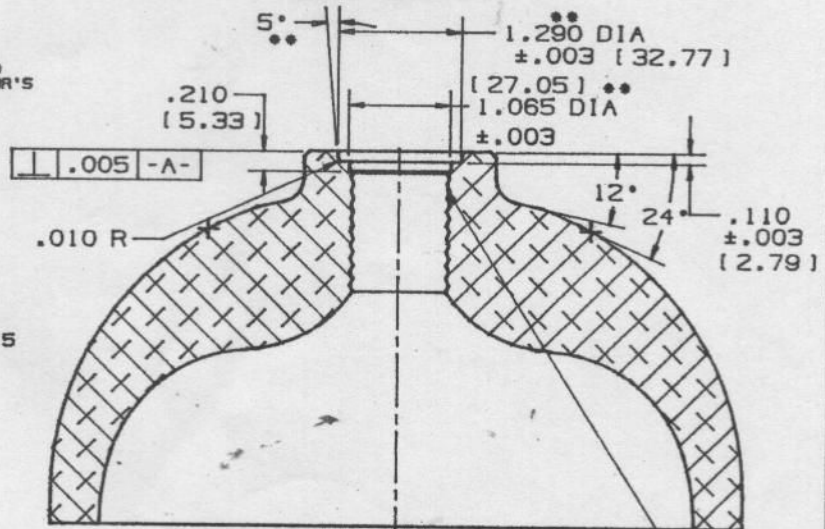


ALL DIMENSIONS WITH \*\* SYMBOL SHOULD BE

⓪ .005 -A-



3/4-14 NGS (NPSM) INT. THREAD  
MINOR DIA .958 - .970  
PITCH DIA .9889 - .9958  
MAJOR DIA 1.036 MINIMUM  
8 FULL THREADS MIN. REQ.

## SECTION A - A

(FULL SCALE)

### NOTES:

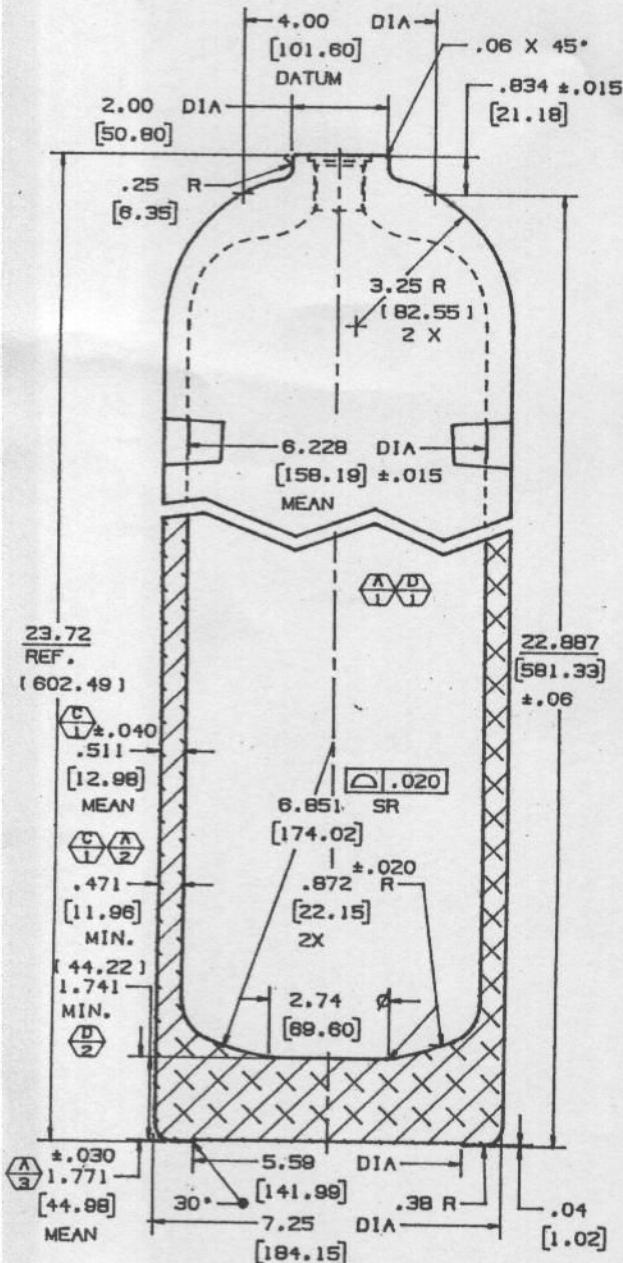
1. CYLINDER TO MEET DOT, TC, SPECIFICATION 3AL, 3ALM
2. MATERIAL: 6061-T8 ALUMINUM ALLOY
3. CYLINDER SURFACES TO BE FREE OF ALL FOREIGN CONTAMINANTS, SCALE, ODORS AND CORROSION.
4. SURFACE TO BE FREE OF ALL TOOL MARKS
5. THREADS AND SEALING SURFACES TO BE PROTECTED FROM NICKING DURING SHIPPING AND STORAGE.
6. METAL STAMP 1/4 INCH HIGH CHARACTERS LOW STRESS STAMPS ON CYLINDER AS SHOWN
7. ALL DIMENSIONS IN BRACKETS ARE MM.
8. DIMENSIONS ARE WITHOUT COATING
9. NO PAINT ALLOWED ON O-RING GLAND, THREADS AND BORE SURFACES.

- ⓪ 3 APPROX. FULL BOUANCY = -5.02 LBS  
⓪ 4 APPROX. BOUANCY = 0.00  
APPROX. INSIDE VOLUME = 587.2 CU. IN

T.C TEST PRESSURE	CYLINDER CAPACITY	OVERALL DIM. REF	CYLINDER WEIGHT	SERVICE PRESSURE	TEST PRESSURE	WATER CAPACITY
4500 PSI	67 CU. FT.	23.72"	32.84 lbs	3000 PSI	5000 PSI	21.2 lbs
310 BAR	1897 L	602.5 mm	14.9 kg	207 BAR	345 BAR	9.6 kg

⓪ C DESIGN TO 49.5K TENSILE (341.84 MPa)

ITEM	REQ	DESCRIPTION
BILL OF MATERIALS		
SPECIALIST IN HIGH PRESSURE ALUMINUM GAS CYLINDERS		
<b>CATALINA CYLINDERS</b>		
DIVISION OF ALUMINUM PRECISION PRODUCTS INC.		
LIMITS ON DIM. UNLESS OTHERWISE SPECIFIED	BREAK ALL SHARP EDGES UNLESS NOTED	SCALE HALF A NOTED
ANGULAR ± 1°	125	COMPUTER FILE NAME
FRACTIONAL ± 1/16	FINISH UNLESS NOTED	SCUBA-AR67
DECIMAL .X .XX .XXX ±.12 .021 .005	CYL. NO.	NEXT ASSY.
DRAWING NAME	DRAWING NUMBER	DATE 07-28-93
3000 PSI-SCUBA-AR67	D67 D30 B72 E1E AR	SHEET 1 of 1



01-1 REM. MAX. I.D. ADD 1.741 T.C T/P FULL BOUANCY	S.C	10/28/97
01-5 ADD ±.040 WAS .485.2.48.18mm. 889 MIN. WAS .87	S.C	08/2/97
01-1 IDENTIFICATION LETTER WAS "R"	S.C	08/8/93
01-6 WAS 8.228 WAS 8.228 WAS 1.821 WAS 8.228 WAS 8.228 WAS 8.228	S.C	08/29/93
LET. CHANGE DESCRIPTION	BY	DATE

ORIGINAL