

MATERIAL

FORGED MAGNET STL. PER SPEC. 4500-90-4-S2

Technical drawing of a mechanical part, likely a bracket or plate, showing top and side views with dimensions and notes.

Top View Dimensions:

- Overall width: 433.00 ± .00 (36" ± .00)
- Overall height: 216.50 ± .01 (18" ± .01)
- Distance from left edge to centerline: 196.84 (16" ± 0.84)
- Distance from centerline to right edge: 196.84 (16" ± 0.84)
- Distance from left edge to first hole center: 147.63 (12" ± 0.3)
- Distance between hole centers: 98.42
- Distance from centerline to last hole center: 147.63 (12" ± 0.3)
- Distance from left edge to first hole center: 118.10
- Distance between hole centers: 98.42
- Distance from centerline to last hole center: 118.10
- Distance from left edge to first hole center: 49.21
- Distance between hole centers: 49.21
- Distance from centerline to last hole center: 49.21
- Distance from left edge to first hole center: 9.84
- Distance between hole centers: 49.21
- Distance from centerline to last hole center: 9.84
- Distance from left edge to first hole center: 4.00 TYP
- Distance between hole centers: 4.00 TYP
- Distance from centerline to last hole center: 4.00 TYP
- Distance from left edge to first hole center: 4.528 (7 TYP)
- Distance between hole centers: 4.528 (7 TYP)
- Distance from centerline to last hole center: 4.528 (7 TYP)

Side View Dimensions:

- Overall height: 9.66 REF
- Distance from top edge to centerline: 14.21 ± .04
- Distance from centerline to bottom edge: 14.21 ± .04

Notes:

- DATUM LINE, SEE NOTE 4
- DATUM LINE, SEE NOTE 4
- DATUM LINE, SEE NOTE 4
- DATUM LINE, SEE NOTE 5
- 4.00 DIA THRU TYP. 18 PLACES
- 7.10 2 PLACES
- TAP DRILL 11.81 ± .25 DEEP
- TAP 4" - 4 UNC - 2E x 9.87 ± .25 DEEP
- TYP 2 PLCS
- CHAMFER 45° x .80 TYP 8 PLCS
- DIM "X"
- SEE NOTE 2

9. SURFACE MARKED TO BE FLAT WITHIN .020 TIR IN 36" x 1" PLATES 2, 3, 5, 8, 10, 11, 14, 16, & 17.

PAID NO	DIM A	DESCRIPTION
90D 116-35	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 35 SEE NOTES 2, 3, 4, 7
90D 116-34	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 34
90D 116-32	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 32
90D 116-29	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 29
90D 116-28	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 28
90D 116-26	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 26
90D 116-23	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 23
90D 116-21	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 21
90D 116-20	59.00 ⁺³¹ / ₋₂₀	TOP YOKE PLATE 20 SEE NOTES 2, 3, 4, 7
90D 116-17	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 17 SEE NOTES 2, 4, 6, 9
90D 116-16	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 16
90D 116-14	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 14
90D 116-11	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 11
90D 116-10	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 10
90D 116-8	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 8
90D 116-5	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 5
90D 116-3	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 3
90D 116-2	59.00 ⁺²⁰ / ₋₀₆	BOTTOM YOKE PLATE 2 SEE NOTES 2, 4, 6, 9

NEXT 200Y 90E 147

SHOP NOTES	DO NOT SCALE THIS DRAWING	600 MeV SYNCHROCYCLOTRON MAGNET YOKE PLATES 2, 3, 5, 8, 10, 11, 14, 16, 17, 20, 21, 23, 26, 28, 29, 32, 34, 35
UNLESS OTHERWISE SPECIFIED	SCALE 1" = 1'-0"	
1. TOLERANCES ON DIMENSIONS $\pm .008$	DATE 8-2-62	WILLIAM M. BROBECK AND ASSOCIATES ENGINEERING RESEARCH - DESIGN - DEVELOPMENT 1920 PARK BLVD. OAKLAND, CALIFORNIA
2. BREAK FACES REMOVE BURRS	DRAWN BY M. Schneider	
3. 30° CHAMFER ENDS OF ALL TUBES	CHECKED BY J. A. JOSEPH	DRAWING NUMBER
4. 1/4" PITCH THREAD RELIEF WITH ROUND ROSE TOOL ON MACH. CUT SCREW THREADS.	JOB NUMBER 450-900-4	
		90 D 116 B
		NASA NO. LD-503623

SEE 6052-303

ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	QUANTITY	REMARKS	RE
UNLESS OTHERWISE SPECIFIED:								
DIMENSIONS ARE IN INCHES								
TOLERANCES ARE:								
1 PLACE DECIMALS ±								
2 PLACE DECIMALS ±								
FRACTIONS ±								
ANGLES ±								
ALL SURFACES ✓								
CORNELL UNIVERSITY, ITHACA, NY LABORATORY OF NUCLEAR STUDIES MAGNET YOKE STEEL (CLEO II MK4 MAGNET YOKE)								
DESIGNED BY	DRAWN BY	DATE	SCALE	PROJECT NO. 55-304 SHEET NO. 12 OF 16				
SCHMIEDER	NORDBERG	3-12-86	~					