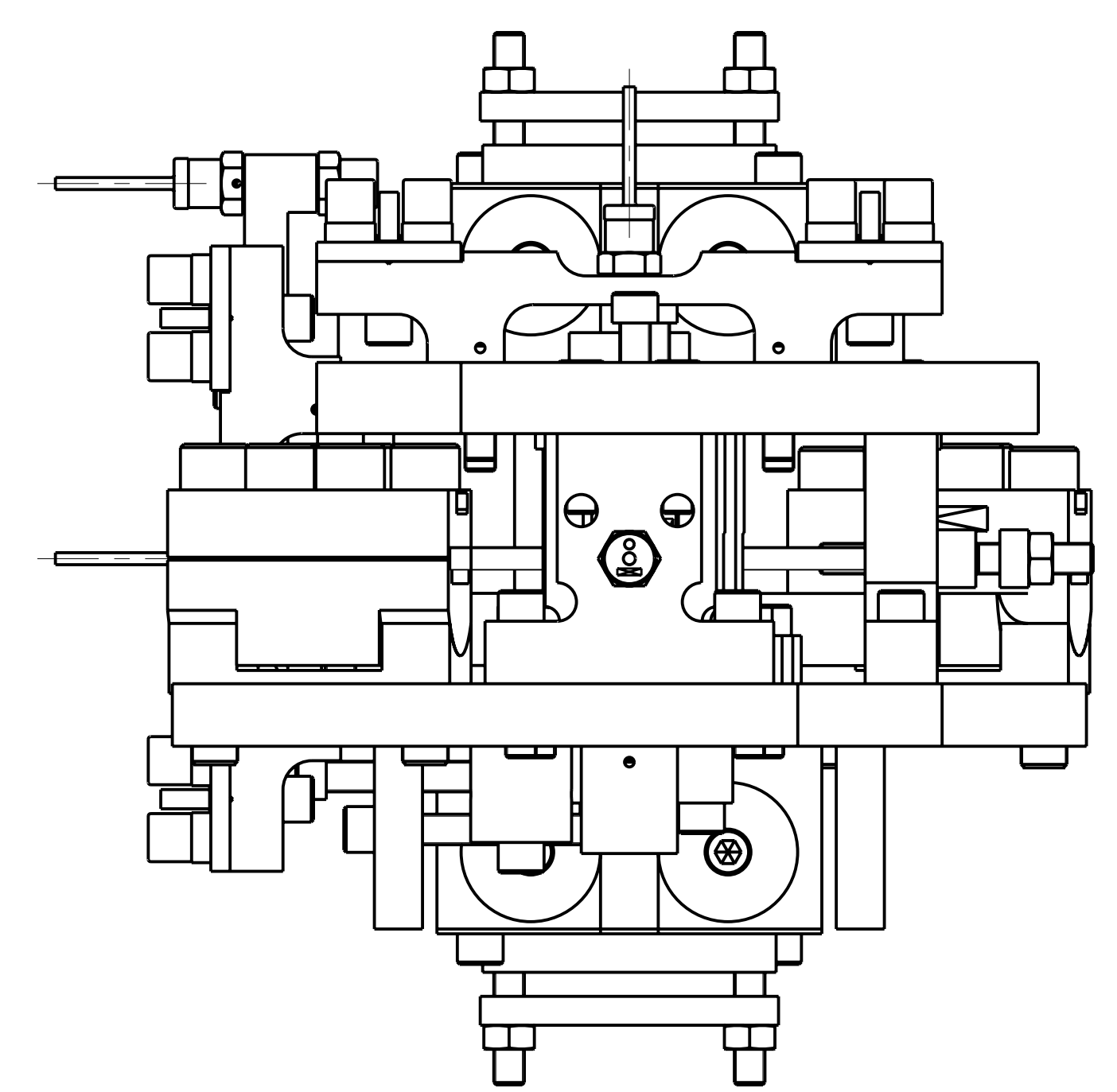
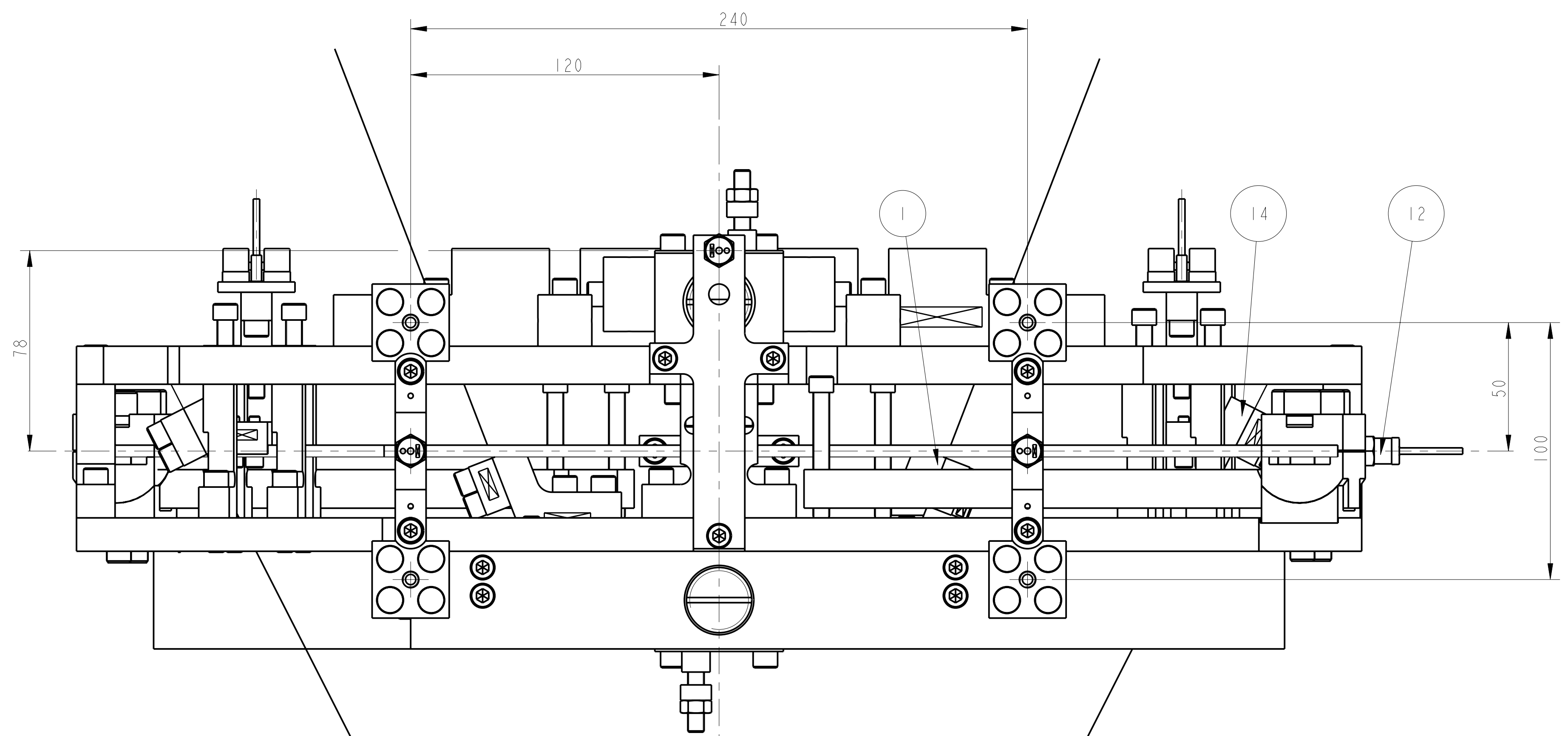
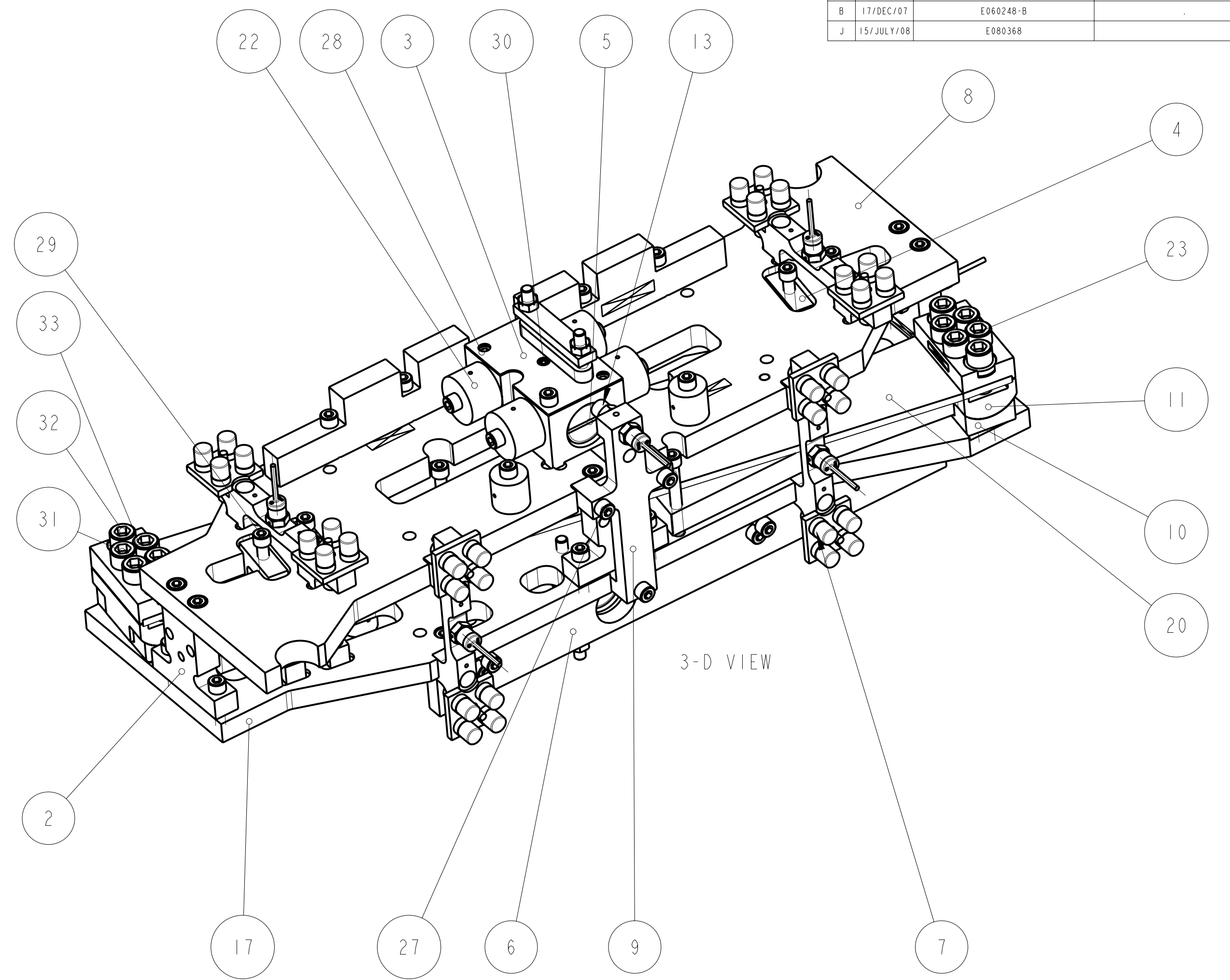
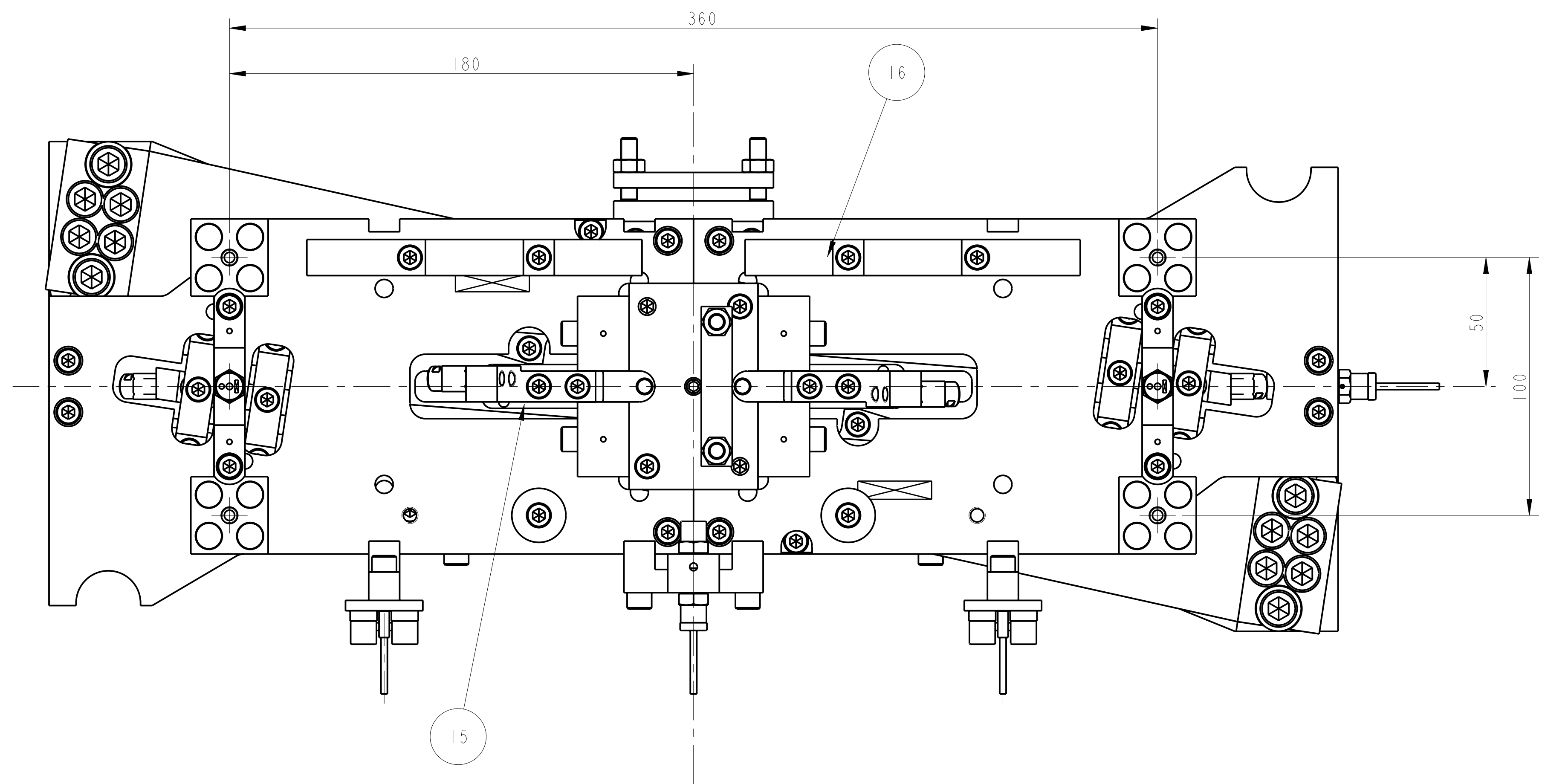


REV.	DATE	DCN #	DRAWING TREE #
A	19/OCT/06	E060248	
B	17/DEC/07	E060248-B	
J	15/JULY/08	E080368	



ITEM	QTY	SPARE/TOTAL	PART NUMBER	DESCRIPTION	MATERIALS
1	2		D060391	TOP WIRE CLAMP; (TOP MASS)	SEE ITEMS LIST: .....
2	4		D060397	TOP MASS SPACER; .	ST. STEEL; 304
3	2		D060398	PITCH ADJUSTER & MASS; ADJUSTER TURRET	AL ALLOY; 5083
4	4		D060399	STOP BRIDGE; .	AL ALLOY; 5083
5	2		D060405	PITCH ADJUSTER; .	ST. STEEL; 304
6	2		D060406	BASE PLATE STIFFENER; .	AL ALLOY; 5083
7	4		D060409	OSEM ECO UNIT; .	AS DRW; AS DRAWN
8	2		D060411	TOP PLATE; .	ST. STEEL; 304
9	1		D060412	OSEM BRACKET (TOP OSEM); .	AL ALLOY; 5083
10	2		D060414	BLADE TIP Z POSITION ADJ.; (BTM HALF PART 2)	AL ALLOY; 5083
11	2		D060415	BLADE TIP Z POSITION ADJ.; (BTM HALF)	ST. STEEL; 304/316
12	2		D060416	OSEM MAGNET AND FLAG; .	AS DRAWING; .....
13	2		D060417	OSEM MAGNET AND FLAG CONCEPT; PART BUILT	AS BOM; .....
14	2		D060419	TOP MASS WIRE CLAMP; .	AS DRW; SEE DRAWINGS
15	2		D060420	WIRE CLAMP ADJUSTMENT BLOCK; .	AL ALLOY; 5083
16	2		D060421	MASS AND SUPPORT MEMBER; .	ST. STEEL; 304
17	1		D060430	BASE PLATE; .	ST. STEEL; 316
18	2		D070218	MASS WIRE CLAMP #1; .	AS DRW; .....
19	1		D070225	MASS WIRE CLAMP; .	AS DRW; .....
20	2		D060236-FLAT	MIDDLE BLADE SPRING; .	MARAGING STEEL 250; .....
21	4		D060359-050.0	ADDITIONAL MASS; .	ST. STEEL; 316
22	8		D060359-100.0	ADDITIONAL MASS; .	ST. STEEL; 316
23	2		D060404-000	BLADE CLAMP; (TOP HALF)	ST. STEEL; 304/316
24	1			1/4"-20 x 0.50 UNC THREAD INSERT; .	
25	1			1/4"-20 x 1.50 UNC THREAD INSERT; .	
26	1			1/4"-20 x 1.0 UNC THREAD INSERT; .	
27	63			1/4"-20 UNC X 1" CAP HEAD; .	ST. STEEL; 316
28	14			1/4"-20 UNC X 2" CAP HEAD; .	ST. STEEL; 316
29	10			1/4"-20 UNC X 2" CAP HEAD, SPHERICAL TIP; .	ST. STEEL; 316
30	2			1/4"-20 UNC X 0.188" GRUBSCREW; .	ST. STEEL; 316
31	8			3/8" 16 UNC X 1.25" CAP HEAD; .	ST. STEEL; 316
32	4			3/8" 16 UNC X 2.25" CAP HEAD; .	ST. STEEL; 316
33	4			3/8" SPHERICAL WASHER; .	ST. STEEL; 316
34	4			PIN; .	

NOTES: (UNLESS OTHERWISE SPECIFIED)

- REMOVE ALL SHARP EDGES. R.02 MIN.
- DO NOT SCALE FROM DRAWING.
- ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE. SUCH AS CINCINNATI MILACRON'S CMTTECH 410 (STAINLESS STEEL).
- SCORE, ENGRAVE OR STAMP DRAWING PART NUMBER ON NOTED SURFACE OF PART AND A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST PART AND PROCEED CONSECUTIVELY. USE 07 HIGH CHARACTERS. EXAMPLE: D060180-001-A VIBRATOR TOOL MAY BE USED.

DIMENSIONS ARE IN mm (INCHES) TOLERANCES:  
 X XX ± 0.25 mm  
 ANGULAR ±0.25°

MATERIAL: AS BOM

FINISH: N/A  
 √μm (1μin) Ra: .....

SCALE: 4:51 PROJECTION:

DATE: 15/JULY/08  
 DRAWN: J.WILMOT  
 CHECKED: A.J.B.  
 APPROVED: A.J.B.

NAME: DATE: 15/JULY/08  
 SMAYOR

SYSTEM: ADVANCED LIGO  
 SUB-SYSTEM: SUS  
 NEXT ASSY: QUAD N-PTYPE  
 PART NAME: TOP MASS N-PTYPE GA

DRG. NO.: D060403  
 SCALE: 4:51 PROJECTION:

CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 RUTHERFORD APPLETON LABORATORIES