



SCALE 1:1

ITEM	QTY	SPARE	TOTAL	PART NUMBER	DESCRIPTION	MATERIALS
1	2			000034	WIRE CLAMP JAW, ALL MASSES	ST STEEL: 303/304/316
2	4			000035	RECESSED 1/4" 20 UNC. 4 0.75" CAP HEAD	ST STEEL: 303/304/316
3	1			000036	MASS BASE PLATE	ST STEEL: 303/304/316
4	2			000037	BLADE TIP 2 POSITION ADJ.; 187W HALF PART 2)	AL ALLOY: 5083 OR 6061
5	2			000038	BLADE TIP 2 POSITION ADJ.; 187W HALF)	ST STEEL: 303/304/316
6	8			000039	OSW AND FLAG COUNTERWEIGHT; U1 MASS	ST STEEL: 303/304/316
7	2			000040	U1 MASS BLADE ECO;	OFHC COPPER:
8	2			000042	U1 MASS TOP PLATE;	ST STEEL: 303/304/316
9	2			000043	MIDDLE WIRE, WIRE CLAMP, CLAMP BODY	ST STEEL: 300 SERIES
10	4			000045	U1 MASS FLAG MOUNT;	SEE ITEMS LIST:
11	4			000047	U1 MASS OSW MOUNT;	SEE ITEMS LIST:
12	4			000049	TOP MASS SPACER;	ST, STEEL: 303/304
13	2			000050	PITCH ADJUSTER & MASS; ADJUSTER TURNER	AL ALLOY: 5083
14	4			000059	STOP BRIDGE;	AL ALLOY: 5083
15	2			000042	U1 MASS WIRE CLAMP; SEE DRAWINGS
16	2			000037.FLAT	BOTTOM BLADE SPRINGS;	MARAGING STEEL 250:
17	6			000039-02A-R	ADDITIONAL MASS;	ST STEEL: 316
18	8			000039-02A-L	ADDITIONAL MASS;	ST STEEL: 316
19	2			000030-004	BLADE CLAMP; (TOP HALF)	ST, STEEL: 303 / 304
20	58			1/4" 20 UNC. 1" CAP HEAD;	ST STEEL	
21	18			1/4" 20 UNC. 2" CAP HEAD, SPHERICAL TIP;	ST STEEL	
22	4			1/4 SPHERICAL WASHER;	ST STEEL	
23	2			10MM MAGNET;		

NOTES: (UNLESS OTHERWISE SPECIFIED)
 1. REMOVE ALL SHARP EDGES.
 2. DO NOT SCALE FROM DRAWING.
 3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE, SUCH AS CINCINNATI MILACRON'S CMTTECH 410 (STAINLESS STEEL).
 4. SCRIBE, 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: 000100-001 - A VIBRATOR TOOL MAY BE USED.

DIMENSIONS ARE IN mm (INCHES) TOLERANCES:
 X .XX ±.01A (1) ANGLE ±.01A * MATERIAL: AS BOM FINISH: AS DRW
 NAME: DATE: DRAWN: I. WILMOT 8/26/05 BY: DATE: CHECKED: J. OOD 11/15/05 DRG. NO.: D060375 APPROVED: TW 11/15/05 SCALE 1:1 PRODUCTION SHEET 1 OF 1

CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 RUTHERFORD APPLETON LABORATORIES
 SYSTEM: ADVANCED LIGO
 SUB-SYSTEM: SUS
 NEXT ASSY: QUAD N-PTYPE
 PART NAME: U1 MASS