

LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY

- LIGO -

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TAMA Seismic Attenuation System (SAS) tower		
List of components for production		
Akiteru Takamori (LIGO and University of Tokyo), Riccardo DeSalvo (LIGO)		

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California Institute of Technology
LIGO Laboratory - MS 18-34
Pasadena CA 91125
Phone (626) 395-212
Fax (626) 304-9834
E-mail: info@ligo.caltech.edu

Massachusetts Institute of Technology
LIGO Laboratory - MS 16NW-145
Cambridge, MA 01239
Phone (617) 253-4824
Fax (617) 253-7014
E-mail: info@ligo.mit.edu

www: <http://www.ligo.caltech.edu/>

Tama SAS tower 3 production part list				
Part number	Detailed in drawing	Description	Shown in assembly number	Production pieces
1	23	shelf	0	3x2
2	9	Flex joint base	0	3x2
3	10	Main flex joint	0	3x2
4	15	Interface disk	0	1x2
5	10	Counterweight	0	12x2
6	10	Counterweight bell	0	3x2
7	11	Leg	0	3x2
8	14	Safety strut	0	3x2
9	16	Top reference ring	0	1x2
9.1	16	Safety ring	0	6x2
10	13	Retainer nut	0	3x2
11	13	Support tuning nut	0	3x2
12	12	Tuning stud	0	3x2
13	12	Rotation flange	0	3x2
14	11	Leg head	0	3x2
15	13	Load nut	0	3x2
16	12	Top disk	0	3x2
17	9	1/2 cup retainer	0	3x2
18	12	1/2 cups	0	6x2
19	12	Small flex joint	0	3x2
20	17	Stand	1	1x2
21	22	Stand	1	1x2
22	19	t. spring clamp	4	3x2
23	18	Micro switch plate	1	(1+1)x2
24	18	Torque plate	1	1x2
25	22	Motor flange	1	1x2
26	18	Nut	1	1x2
27	17	Torque plate	1	1x2
28	17	Screw	1	1x2
29	18	t. spring clamp	1	3x2
30	18	Spring support	1	3x2
31	21	Coil spool base	5	3x2
32	23	Stiffener	2	3x2
33	19	Slide bracket	3	6x2
34	20	Coil tray	5	6x2
35	20	Flux guides	5	6x2

Tama SAS tower 3 production part list				
Part number	Detailed in drawing	Description	Shown in assembly number	Production pieces
36	20	Central flux guides	5	3x2
37	21	Magnet suppoer	5	3x2
38	20	Coil 1/2 spool	5	6x2
39	37	Wedge	7	6x2 controllare
40	37	1/2 cup retainer	7	Part in 41
41	33 34	Body of standard filter Blade's ring	7	1x2
42	37	Blade's clamp	7	3x2
43	38	Blade	7	1x2 discutere
44	39	Safety disk	7	1x2
45	39	Saferty stand	7	3x2
46	37	1/2 cup	7	1x2 couples
47	39	1/2 cup retainer	7	1x2
48	24 28	Filter-0 body Blade's ring	8	1x2
49	31	Magnet support	8	1x2
50	29	Magnet	8	1x2
50.1	29	Magnet	8	1x2
51	26	Safety ring	8	1x2
52	27	Coil spool	8	1x2
53	26	Safety stand	8	3x2
54	27	Spring clamp	8	1x2
55	27	Spring holder	8	1x2
56	26	Spring's clamp	8	6x2
57	27	1/2 cup retainer	8	1x2
58	27	LVDT secondary	8	1x2
59	27	LVDT primary	8	1x2
60	27	1/2 cups	8	1x2
61	29	Blade's clamp	8	6x2
62	32	Blade	8	1x2 discutere
63	29	wedge	8	6x2
64				
65	40	Positioning tool		1x4
66	40	Positioning tool legs		3x4
67				
68				
	31	Blade's depth gauge		3
	31	Wedge's extractor		3

Commercials

1	Velmex.com model MA1506P40-S1.5 or Daedal slide model MA 1500 travel 6"	3x2
2	Stepper motor Oriental motors modello Vexta PK264-E2.0B	1x2

Tama SAS LVDT production part list				
Part number	Detailed in drawing	Description	Shown in assembly number	Production pieces
1	1	Secondary coil	0	2x3x2 => 20
1.1	2	Nut	0	1x3x2
1.2	3	Threaded rod	0	1x3x2
1.3	3	Support plate	0	2x3x2
1.4	1	Primary coil	0	1x3x2 => 10
1.5	2	Box head	0	2x3x2
1.6	2	Insulator ring	0	8x3x2 => 100
1.7	2	Insulator	0	8x3x2 => 100
1.8	2	Lateral plate	0	1x3x2
1.9	1	Bottom plate	0	1x3x2
1.10	1	Lateral plate	0	2x3x2
1.11	3	Lateral plate	0	1x3x2
1.12	3	spacer	0	1x3x2