



section D

NOTE 1 - The horizontal accelerometer body is built in 5 steps

- STEP 1 - mechanics DWG 1
- STEP 2 - pre-cut EDM DWG 2
- STEP 3 - electro-polish holes
- STEP 4 - final cuts EDM DWG 4
- STEP 5 - release + delivery DWG 5-6-7

NOTE 2 - Copper-beryllium
Material characteristic: C 17200 cube 2
alloy 25, HV 380-420, N/mm² 1200-1500,
98% copper, 1.8% beryllium, 0.2% cobalt

part no.	description	quantity
2-1	flatty head M3x12	8
11-1	flat fillister head M3x10	16
21-1	flat fillister head M3x6	16
28-23	flat head M3x12	4
28-1	flat head M3x12	8
10-9	flat fillister head M3x25	4
9-1	flat head M3x12	8
31-1	countersunk head M5x12	16
detail	type	n°piec.
Screw's table		

1 Newport-fine adjustment screws AJS-05H n°3 pieces

ref.	note	date	signature		
modifications					
17	spacer				
16	electrode				
15	ring spacer	31	justment plate		
14	ring spring	30	locking screw top		
13	electronic card	29	security transport		
12	clamping screw	28	support coil		
11	support electrode	25	screw's spacer		
10	inner electrode	23	coil		
9	fixing inner electrode	22	magnet		
2	frequency tuning weight	21	support magnet		
1	body	18	reverse rotation		
ref.	draw.	date signed	ref.	draw.	date signed

	LIGO PROJECT <small>designed by</small> R.De Salvo <small>drawn by</small> G.Gennaro-PROME <small>date</small> 12-12-04
	<small>title</small> HAM-OPTICAL BENCH H-ACCELEROMETER
<small>code</small> 1:1 <small>scale</small> A 1	<small>ref.</small> LIGO-0050110-01-D <small>date</small>