



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/mm<sup>2</sup> 1200-1500,  
98% copper, 1.8% beryllium, 0.2% cobalt

ref.	desc.	qty
2-1	tormy 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.	desc.	qty	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.	desc.	qty	note	date	signature

	<b>LIGO PROJECT</b> designed by <b>R.De Salvo</b> drawn by <b>G.Gennaro-PROME</b>	
	date 12-12-04 title <b>LIGO-O051110-00-D</b> H-ACCELEROMETER GR.6 scale 1:1 A 1	