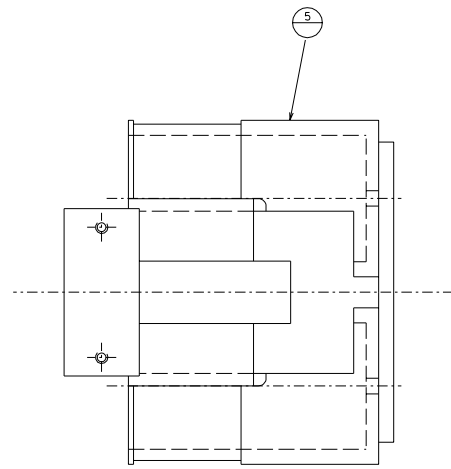


Voice-coil actuator: wire 25-AWG, 140 turns.
 Use only kapton insulated wires approved by LIGO, all other kinds of enamel are forbidden.

The straight section of the coils must be immobilized with a spray of Cycom 3002 kapton enamel diluted with 25% of chemical purity ethanol, baked at 90 °C for 1 hour and 177 °C for 15 minutes in a clean air oven.



Note: All screws are plated with silver

ref.	desc.	count	notes
3-4-6	tommy head screw 5Mx12	24	
2-5	count. head screw 2.5Mx6 (S)	48	
1-5	tommy head screw 5Mx12 (S)	24	
detail	type	n°piec.	
Screw's table			

SEE DRAWING 105

ref.	desc.	count	notes	ref.	desc.	count	notes
modifications							
6	134	magnet base					
5	133	coil 1/2 spools					
4	133	central flux guide					
3	133	flux guides					
2	133	coil tray					
1	134	coil spool base					

	LIGO PROJECT		designed by R.De Salvo
			drawn by G.Gennaro-PROMECH
		12-12-04	
HAM-OPTICAL BENCH ACTUATOR		LIGO-D050111-01-D scale 1:1 A 1	