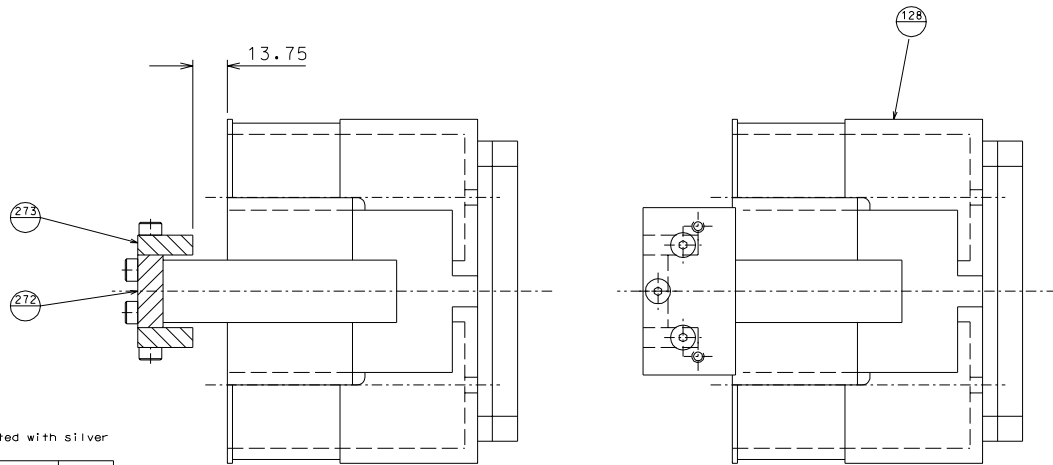


Voice-coil actuator: wire 25-AWG, 140 turns.  
Use only kapton insulated wires approved by LIGO, all other kinds of enamel are forbidden.

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.	qty
124-275	tommy head screw 5Mx20	4
275-274	tommy head screw 5Mx20	8
124-274,276	tommy head screw 5Mx20	12
129-272	count. head screw 5Mx16	4
129-273	count. head screw 5Mx16	8
273-274	tommy head screw 5Mx16	16
126-272	tommy head screw 5Mx20	24
125-128	count. head screw 2.5Mx6	48
124-128	tommy head screw 5Mx16	24
detail	type	n°piec.
Screw's table		

SEE DRAWING 105

ref.	desc.	date	signature		
	added dimensions	26-09-06			
	modified holes in part 124	25-09-06			
	added plate for winding	14-09-06			
	modified structure	06-09-06			
modifications					
129	134 magnet base	281	134 winding plate		
128	133 coil 1/2 spools	275	134 stiffening		
127	133 central flux guide	274	134 base support coil		
126	133 flux guides	273	134 stiffening		
125	133 coil tray	272	134 support magnet		
124	134 coil spool base				
ref.	desc.	added legend	ref.	desc.	added legend

	<b>LIGO PROJECT</b> designed by: <b>R.De Salvo</b> drawn by: <b>G.Gennaro-PROMECC</b> date: 12-12-04
	HAM-OPTICAL BENCH ACTUATOR GR.3.2 scale: 1:1 A 1