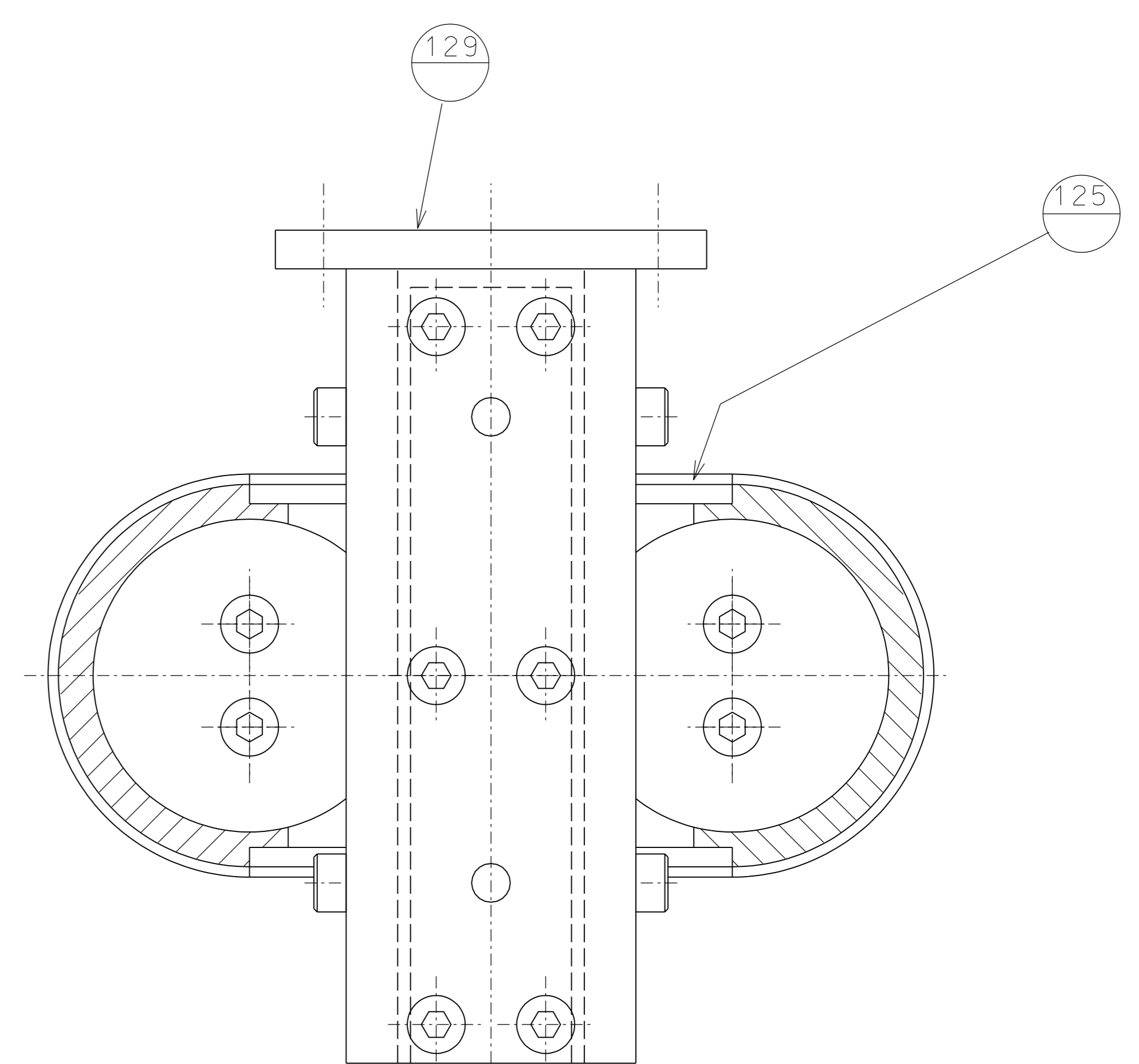
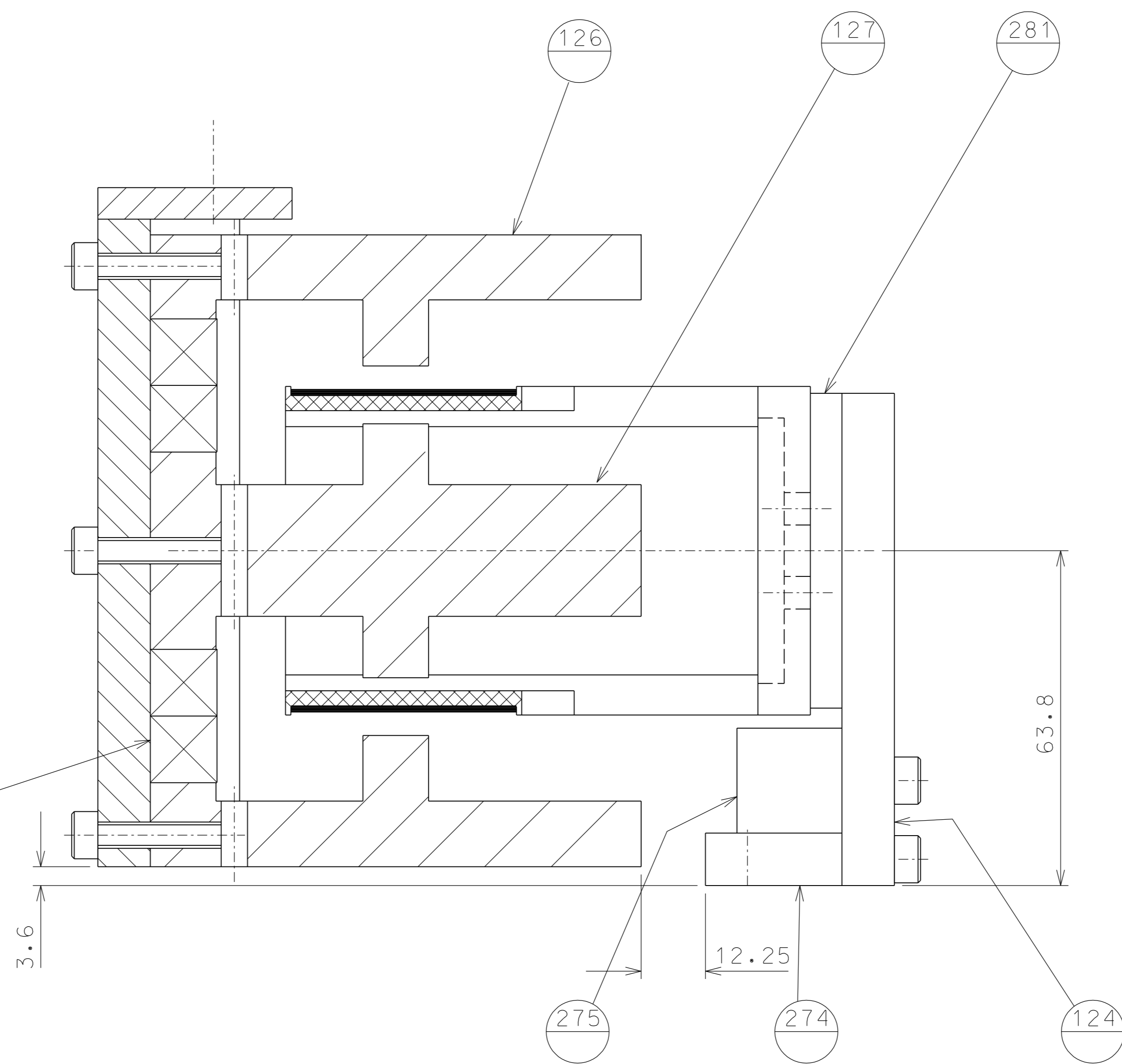
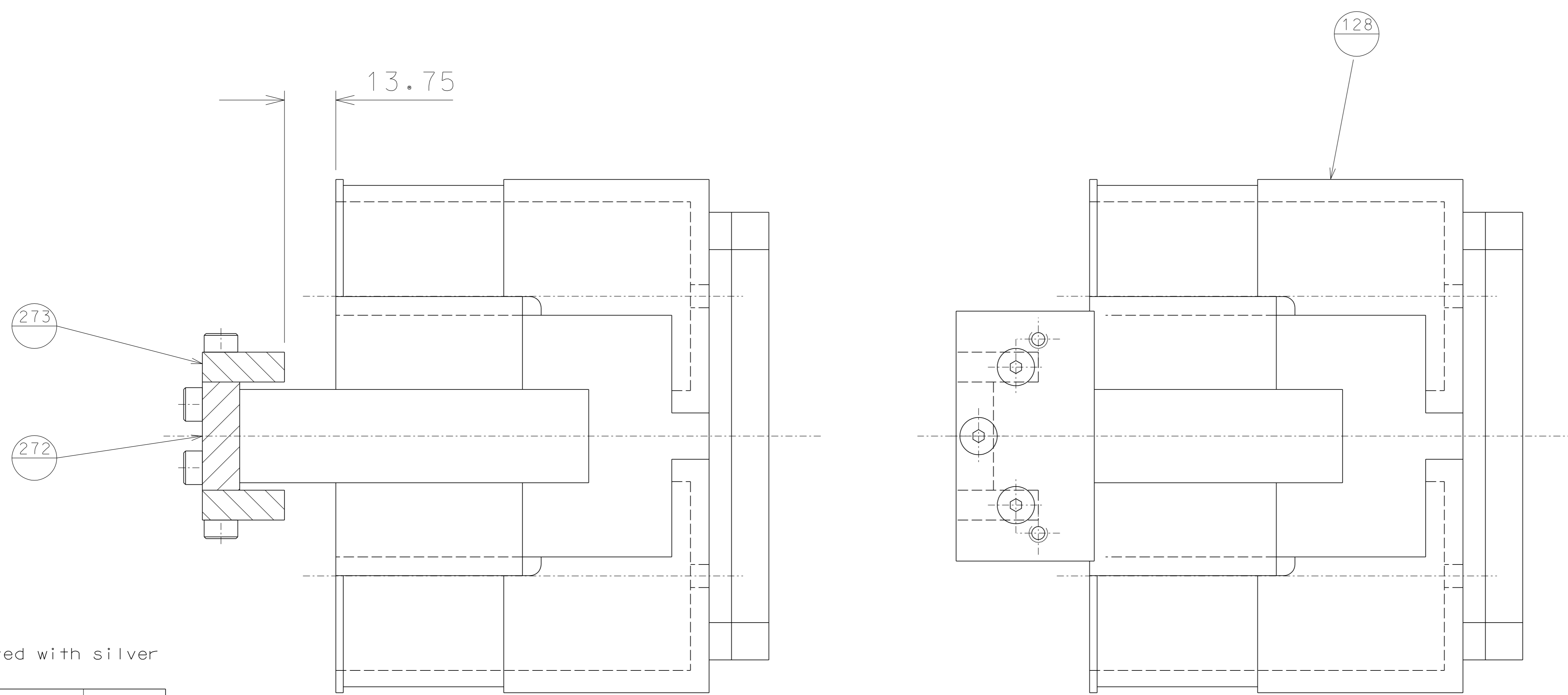


bunting magnetics N35P500500-SH
8 magnets per actuator
maximum baking temperature 145°C



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.



Section A-A

Note: All screws are plated with silver

ref.	part	description	count
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.	note	date	signature
	changed name of magnets	27-11-06	
	added dimensions	26-09-06	
	modified holes in part 124	25-09-06	
	added plate for winding	14-09-06	
modifications			
129	134	magnet base	
128	133	coil 1/2 spools	281 134 winding plate
127	133	central flux guide	275 134 stiffening
126	133	flux guides	274 134 base support coil
125	133	coil tray	273 134 stiffening
124	134	coil spool base	272 134 support magnet
ref.	draw.	added legend	ref. draw. added legend

	LIGO PROJECT HAM-OPTICAL BENCH ACTUATOR GR.3.2	designed for R.De Salvo
		draw. by G.Gennaro-PROMEC
		date 12-12-04
		LIGO-D051111-05-D
		scale 1:1
		A 1