

PARTS FOR ONE SMALL SEISMOGRAPH / Used with small paper roll (height 7.6 cm, width 6.35 cm)

--> 3.6 cm reduced from parts marked with pink as compared to the large seismograph

NO.	PART	MATERIAL	AMOUNT	MEASURES	HOLES TO BE DRILLED / OTHER PROCEDURES
#1	Back piece of the seismograph	10 mm plywood	1	25 x 19.4 cm	3 or more x 10 mm holes for tie-wraps
#2	Top support piece for roll etc.	10 mm plywood	1	25 x 6.5 cm	1 x 10 mm hole for left roll holder, 1 x 4.5 mm hole for right roll holder, 2 x 4 mm hole for paper pushers, 2 x 5 mm hole for pen holder rods, 1 x 10 mm hole for rubber band
#3	Bottom support piece for roll etc.	10 mm plywood	1	25 x 6.5 cm	Identical to #2 except no 10 mm rubber band hole
#4	Pen holder piece	10 mm plywood	1	5 x 3.0 cm	1 x 10 mm hole for pen pipe, 4 x 3.5 mm holes for tie-wraps, 2 x 3 mm holes for rubber band
#5	Pieces for worm gear axis	10 mm plywood	2	5 x 8.0 cm	For each 1 x 4.5 mm hole for worm gear axis
#6	Support for speedometer cable	10 mm plywood	1	5.5 x 6.4 cm	2 x 3.5 mm hole for tie-wraps
#7	Rods to push paper down	4 mm steel rod	2	12.4 cm	File the ends smooth
#8	Rod for right paper roll + axis for the large gear	4 mm steel rod	1	15.4 cm	File the ends smooth
#9	Axis for worm gear	4 mm steel rod	1	12 cm	File the ends smooth
#10	Rods for pen holder	5 mm steel rod	2	13.4 cm	File the ends smooth
#11	Right worm gear blocker	6 mm aluminum pipe	2	1.5 cm	The inside needs to be drilled bigger with a 4 mm drillbit BEFORE cutting the pipe, dent can be made with a file
#12	Rod for left roll holder	10 mm aluminum pipe	1	14.4 cm	File the ends smooth
#13	Pen holder pipe	10 mm aluminum pipe	1	5 cm	File the ends smooth
#14	Pen holder slider pipes	7.5 x 1 mm plastic pipe	2	3 cm	Cut the ends smooth with a knife
#15	Large rubber band holder	2 mm welding rod	1	46 cm	Bend to shape, holder height ca. 15 cm
#16	Small rubber band holder	2 mm welding rod	1	12 cm	Bend to shape, holder height ca. 9 cm
#17	Large spur gear, 40 teeth	Fischertechnik parts	1	62 x 11 mm	-
#18	Worm gear that fits the spur gear	Fischertechnik parts	1	32 x 11 mm	-
#19	Small axis blockers or similar that fit 4 mm rod	Fischertechnik parts	4	7.5 x 10 mm	-
#20	Hub for the spur gear	Fischertechnik parts	1	25 x 12 mm	-
#21	Srew terminal	plastic	1	16 mm ²	-

#22	Textile rubber ribbon	1.5 mm ribbon	1	60 cm	-
#23	Speedometer	-	1	-	-
#24	Small tie-wraps	plastic	10	3.6 x 140 mm	-
#25	Large tie-wraps	plastic	3	7.8 x 200 mm	-
#26	Wood screws	metal	14	TX 20, 4 x 35 mm	3 mm pre-drilled holes for each screw
#27	Small washers	metal	2	M4	-
#28	Large washers	metal	6	M10	-