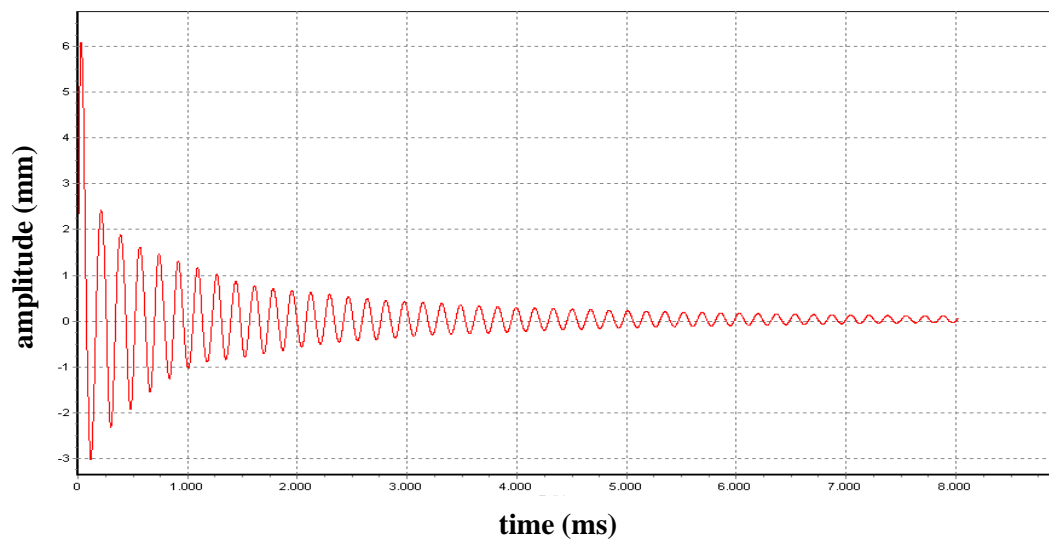


## Test device for pendulum stroke tests at seating furniture and desks



determination of deflection and absorption



S1=6,09 mm S2=2,42 mm D=2,52 K=0,94 S1k=5,75

Test device for pendulum stroke tests, acc. to EN 581, EN 716, EN 1130, EN 1153, prEN 518, EN 1728, EN 12221, EN 12227, EN 12727 and ENV 1178

**consisting of:**

- bed plate 40 x 120 mm and a frame of aluminium profile with a height of 2300 mm
- pendulum axle, height adjustably, with a scale to read out the height of the pendulum axle over zero
- pendulum head, mounted swivelling, with a scale for the measurement of deflection in 1°-steps
- clamping connection 40 mm shaft diameter in the pendulum head,  
this makes possibly the easy changing of the various impact hammers
- 1 impact hammer 6,4 kg x 1000 mm, 1 impact hammer 5,0 kg x 1000 mm,  
1 impact device 2,0 kg x 300 mm
- the deflection of the test object will be captured and displayed digitally (non-contacting)  
after the pendulum stroke impact
- the pairs of the findings (of time and amplitude) can be read out by the software and  
performed as a diagram on the PC
- additionally captured are findings of oscillation and damping

**technical data**

field of application	tests in acc. to standards in acc. to EN 581, EN 716, EN 1130, EN 1153, prEN 518, EN 1728, EN 12221, EN 12227, EN 12727, ENV 1178 and the LGA-Test for desks in development and quality control during batch production
test objects	chairs, revolving chairs, armchairs, stools, rocking chairs, tables and desks
system configuration	test device for pendulum stroke tests for the finding of deflection of a test piece after defined impact of the pendulum hammer at seating furniture or desks. The configuration of the impact hammers and the deflection are prescribed by the valid standards.
stop height of the pendulum stroke hammer at the test object	up to 1200 mm over the bed plate
measurement range of deflection of the hammer	+/- 90°
capturing of deflection of the test object after the impact	non-contacting, by digital measurement. By means of a PC, the findings can be included in a diagram of position and time
test procedure	tested pieces are subjected either to the entire test procedure prescribed by the standards or to selected individual tests
input plc-control unit	230 V/50 Hz
dimensions of test rig	130 x 50 x 2400 (length x width x height)
weight	50 kg
optional accessories	bed plate 1000 x 1000 mm of galvanized steel, with drilling pattern M10