



Hegewald & Peschke

Meß- und Prüftechnik GmbH

Product Information

Test rig for the measurement of stability of chairs



Hegewald & Peschke, Meß- und Prüftechnik GmbH
Am Gründchen 1, 01683 Nossen
Telefon: +49 35242 445-0, Telefax: +49 35242 445-111
E-Mail: info@Hegewald-Peschke.de
<http://www.Hegewald-Peschke.com>



Test rig for the test of stability of seating furniture acc. to EN 1022, EN 1729-2, EN 581-2, ISO 7174-2 and BIFMA X 5.1

consisting of

The test rig for measurement of stability of chairs bases on a desk construction from aluminium profile and a 12 mm strong galvanized steel plate. The table plate has a gap in the centre of one square edge, where the chain of the weight set is guided through.

The surface of the desk is 1000 x 1000 mm. On the desk, 800 mm high, horizontal stops and a catching device are located, which can be adjusted to various types of chairs and it avoids the falling over of the chair in case of failure. The weight basket is located under the desk. The weight basket is lifted pneumatically and wears weights up to 150 kg.

The movement of the pneumatic cylinder of the lifting device is guided and damped pneumatically by damping parts. Rubber buffers under the weight basket ensure a soft arrival at the lower end position. The operating unit of the desk includes a lever to lift the weight basket up and down, the dynamics of movement is regulated via throttles. The sides of the desks provide storage place for the weights. Further included is a carabiner, a clasp hook (100 mm), and 2 cutting belts.

The weight basket is conceived for the following set of weights (weight of the basket: 10 kg):

- 28 pieces each 4 kg (100 x 100 x 50 mm)
- 10 pieces each 2 kg (100 x 50 x 50 mm)
- 4 pieces each 1 kg (100 x 50 x 25 mm)

(the weights are not included into the delivery)

Technical data

field of application	testing acc. to standards EN 1022, EN1729, BIFMA X5.1, EN 581-2 in development and quality control during batch production
test objects	chairs, revolving chairs, armchairs, stools, rocking chairs
system configuration	test device for the test of stability of seating furniture
parameter limits	surface of the test desk: 1800mm x 1000mm maximum content for the weight basket: 150 kg stroke of the weight basket: up to 350 mm
test procedure	test pieces are subjected either to the entire test procedure prescribed by the standards or to selected individual tests.
supply of compressed air	6 bar, quality in acc. ISO/DIS 8573-1 (connection via plug clutch 9mm and ½" pipe) <ul style="list-style-type: none">• residual oil content better class 1 (oil-free)• residual dust content better class 1• residual water content better class 4
dimensions of test rig	1000mm x 1000mm x 80mm (length x width x height)
weight of the test rig	190 kg
maximum weight input for the weight basket	150 kg
weight of the weight basket	10 kg
optional accessories	1 kg weights part n. 40-910-091 2 kg weights part n. 40-910-092 4 kg weights part n. 40-910-093

Your contact person: