

Horizontal Thrust Tester For Swings And Slide



Application

A horizontal force is simultaneously applied at each suspension point to simulate the horizontal forces created by pendulum effect.

Technical parameters

Load cell capacity	0-2500N
Accuracy	+/-0.5%
Direction	Horizontal
No of loading advice	4 in total
Loading Point height	30-180cm
Motor	4 servo actuators
Controller	PLC+ Touch screen
Test frame	Alu.material

Standards

ISO8124-4 6.1.2/ 6.1.4

Procedure

Assemble the toy in accordance with the manufacturer's instructions and place or fix it on a rigid horizontal surface.

For a free-standing toy, stops may be used to prevent it from slipping on the surface. They shall, however, not prevent the toy from overturning.

Swings and other activity toys with crossbeams supplied with removable ground anchors shall be tested with the anchors fixed to the standing surface in accordance with the manufacturer's instructions. On the suspension point(s), simultaneously apply horizontal forces of (500 ± 20) N per user in the swinging direction. Where a swing element has multiple suspension points, distribute the load equally between the points (using Table 3 as a guide). Forces on multiple suspension points shall be applied in the same direction simultaneously.

Observe whether the toy tips over

