

Scooters Toys Testing Equipment Slope Stability Tester



Application

Stability of activity toys with a free height of fall of 600 mm or less.

Load the toy in the most onerous position with a mass of 50 kg \pm 0,5 kg on its standing or sitting surface for 5 min.

For toys labelled as not suitable for children 36 months and over, load the toy with a mass of 25 kg \pm 0,2 kg.

Place the toy on a 10° \pm 1° slope in the most onerous position with respect to stability.

Where the toy is intended to bear the mass of more than one child at a time, load the toy with appropriate

masses (25 kg or 50 kg) to represent each child in the most onerous combination of positions that the children

may sit or stand.

Observe whether the toy tips over

Slop Angel	10° +/- 1°
Load	50 kg +/-0,5 kg, 25 kg +/-0,2 kg
Weight	70KG

Testing Standards

EN71-1, ISO8124-1

Features

1. Slop range can be adjustable 0~25°
2. Screw mechanism is vertical and can be adjustable.
3. Test Platform size 1.2m*1.6m, can be customized

Procedure

Load the toy scooter using load B, with a nominal mass of 29,5 kg. Apply an additional load with a mass of $(25 \pm 0,5)$ kg on the foot brake 29,5 kg.

Apply an additional load with a mass of $(25 \pm 0,5)$ kg on the foot brake.

The platform shall be fitted with adjustable stabilizers in such a way that they allow the toy scooter

to maintain a vertical position during the test, but such that they are unloaded when the toy scooter is in a

vertical position. Attach the articulated arms to the handle bar and place the toy scooter on a plane inclined at $(10 \pm 1)^\circ$ covered with a surface of abrasive paper (aluminium oxide P60) and with its longitudinal axis parallel to the incline $(10 \pm 1)^\circ$ covered with a surface of abrasive paper (aluminium oxide P60)

Ensure that the force required to hold the toy scooter stationary on the inclined plane, parallel to the plane, is less than 50 N.