



Dongguan Hust Tony Instruments Co.,Ltd

东莞华科东尼仪器有限公司

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ASTM Drop Tester TW-200D-Manufacturer-Hust Tony



Product Introduction

ASTM Drop Tester TW-200D is to determine the toys fall on the floor through a certain height, fall in a certain number, then check whether the hazardous sharp points, hazardous sharp edges, hazardous small parts and hazardous driving mechanisms have become accessible.

Scope of application: It is suitable for toys used by children aged 96 months and below.

Children 96 months and younger cannot carry large toys for drops, so large toys are exempt from the drop test.

In order to ensure the safety of actual use, the electric toy should be equipped with a battery in the drop test.

Test Range

Glass toys or parts, expansive material toys or parts, the cover of toy drive device, all of hard materials covering in the face (such as goggles, space helmets or welding masks), hard toy ball, the can be touched magnetic components of toys, toys attached to food.

Test Procedure: Drop the toy down to the floor in the strictest direction and at a certain height, after dropping a certain quantity of parts, check the usability of dangerous sharp points, dangerous sharp edges, dangerous parts and dangerous driving parts.

Judgment Criteria: toys designed for small children who can't sit up alone should not be cracked,if the crack does not cause damage obviously,it is acceptable.Toys designed for children under 3 years should not produce small parts, contactable sharp point and sharp edge.

Masks and helmets should not have exposed cusps, edges, or loose materials that can enter the eye. The driving mechanism that becomes accessible should not be harmful.

Technical Parameters:

Model	TW-200D
Drop Height	Toys for under 18 months: 138 ± 5 cm
	Toys for 18 months and over but under 96 months: 93 ± 5 cm
Number of Drops	Toys for under 18 months: 10
	Toys for 18 months and over but under 96 months: 4
Material	Vinyl composition tile
Product Size (L x W x T)	300mm x 300mm x 3 mm (9 pcs/set)
Package Size (L*W*H)	370mm*370mm*85mm

Standards:

ASTM F963 section 8.7.1 and 8.7.2
16CFR 1500 section 51 and 52 and 53
GB6675.2-2014 5.24.2