



Hong Kong Standards and Testing Centre

10 Dai Wang Street, Taipo Industrial Estate, NT, Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2663 9612 Email: tcd@hkstc.org

Drop Test Parameters for Major Toy Safety Standards

Age (Months)	Australia/New Zealand AS/NZS ISO8124-1:2002	Canada C.R.C. c931	Europe EN71 Part 1:2005	Japan Toy Safety Standard Part 1: 2002	USA CPSC / ASTM F963-08
0 to <18	Mass of toy < 1.4 kg 138 ± 5 cm 10 drops (≤ 18 months)	4.5 ft (1.37 m) 4 drops (< 3 yrs)	850 mm ± 50 mm 5 drops (≤ 14 yrs)	130 ± 5 cm, 10 drops (Rattle, squeeze, pacifier, hand-held activity toy, etc and mass of toy < 0.5 kg.) 85 ± 5 cm, 5 drops (other than the above toys and mass of toy ≤ 1.4 kg)	Mass of toy < 3 ± 0.01 lb (1.4 kg) 4.5 ft ± 0.5 in (137 cm) 10 drops (≤ 18 months)
18 to <36	Mass of toy < 4.5 kg 93 ± 5 cm 4 drops (> 18 to < 36 months)	4.5 ft (1.37 m) 4 drops (< 3 yrs)	850 mm ± 50 mm 5 drops (≤ 14 yrs)	Mass of toy ≤ 4.5 kg 85 ± 5 cm, 5 drops (≤ 14 yrs)	Mass of toy < 4 ± 0.01 lb (1.8 kg) 3 ft ± 0.5 in (91 cm) 4 drops (> 18 to ≤ 36 months)
36 to <168	Mass of toy < 4.5 kg 93 ± 5 cm 4 drops (≥ 3 to ≤ 8 yrs)	3 ft (0.91 m) 4 drops (≥ 3 yrs)	850 mm ± 50 mm 5 drops (≤ 14 yrs)	Mass of toy ≤ 4.5 kg 85 ± 5 cm, 5 drops (≤ 14 yrs)	Mass of toy < 10 ± 0.01 lb (4.5 kg) 3 ft ± 0.5 in (91 cm) 4 drops (> 36 to ≤ 96 months)
Notice	Base area ≤ 0.26 m ² or vol ≤ 1.08m ³ . Toy shall be dropped in random orientation. The recommended or heaviest batteries shall be installed for B/O toys		Base area ≤ 0.26 m ² or vol ≤ 0.08 m ³ or mass < 4.5 kg. Orientate toy for the most onerous impact.	Toy shall be dropped in random orientation.	Base area < 400 in ² or vol ≤ 3 ft ³ (0.08 m ³). Toy shall be dropped in random orientation. The recommended or heaviest batteries shall be installed for B/O toys