

Drop Test Parameters for Major Toy Safety Standards

Age (Months)	Australia/New Zealand/ China AS/NZS ISO 8124-1:2019/ GB6675-2:2014	Canada CCPSA. SOR/2011-17	Europe EN 71-1:2014 +A1:2018	Japan ST 2016 Part 1	USA CPSC / ASTM F963-17
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)	Mass of toy < 1.4 kg 138 ± 5 cm 10 drops (≤ 18 months)	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 93 ± 5 cm 4 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 93 ± 5 cm 4 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	Projected base area ≤ 0.26 m ² or vol ≤ 0.08m ³ or mass < 4.5 kg. Toy shall be dropped in random orientation. The recommended or heaviest batteries shall be installed for B/O toys		Projected base area ≤ 0.26 m ² or vol ≤ 0.08 m ³ or mass < 4.5 kg. Orientate toy for the most onerous impact.	Projected base area ≤ 0.26 m ² or vol ≤ 0.08m ³ or mass < 4.5 kg. Toy shall be dropped in random orientation. The recommended or heaviest batteries shall be installed for B/O toys	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