

Major Updates on Toy Standard ISO 8124-1:2018

The 2018 version of ISO 8124-1 (Safety of toys – Part 1: Safety aspects related to mechanical and physical properties) has been published by the International Organization for Standardization (ISO). The standard applies to toys intended for use by children under 14 years of age and is largely based upon current toy standards in the European Union (EN 71-1) and in the United States (ASTM F963). The major changes are as below.

Definitions

- Modified definitions of terms, e.g. cords, electrical cable, large and bulky toy, paper, pompom, etc.
- Added definitions of paperboard and steady state sound.
- Deleted definitions of continuous sound and impulsive sound.

Small Part Exemptions

- Added exemption of paperboard from reasonably foreseeable abuse testing.
- Exempted fibrous filling material from small part materials.
- Limited the exemption for elastics to elastic fabrics.

Warnings

- Clarified warning requirements for toys for children 36 months and over but under 72 months

Cord

- Modified the requirement of cords, including warnings, length required for different age grading, etc.

Arrow

- Modified the kinetic energy density per area of contact requirements:
 - Projectile in the form of an arrow with a kinetic energy greater than 0.08J shall have a maximum kinetic energy per area of contact not greater than 2500 J/m².

Acoustics

- Modified the C-Weight peak sound pressure level (L_{pCpeak}) of close-to-the-ear toys:
 - L_{pCpeak} shall not exceed 110dB

New Subclauses of Requirement

- Yo-yo ball
- Straps intended to be worn fully or partially around the neck
- Sledges and toboggans with cords for pulling
- Jaw entrapment in handles and steering wheels

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