



Standard Safety Specification for Consumer Trampoline Enclosures¹

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1. Scope

1.1 This safety specification covers the components, assembly, use, labeling, and performance requirements of consumer trampoline enclosures (see Safety Specification F381).

1.2 This specification is applicable to trampoline enclosures to be sold as an accessory to or packaged with trampolines of (1) a minimum bed size of 3300 in.² (2.1 m²), (2) a minimum height of 20 in. (510 mm), (3) intended for the purpose of continuous, vertical jumping activities, and (4) intended for consumer use.

1.3 This specification includes the following sections and selected subsections:

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1.4 This specification does not purport to address all of the hazards that may be associated with trampolines or trampoline enclosures, or both. The standard's existence alone will not necessarily prevent injuries. Like other physical activities, trampoline use involves the risk of injury, particularly if the equipment is used improperly. Similarly, the use of a trampoline enclosure alone will not necessarily prevent all injuries.

1.5 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.6 The following precautionary caveat pertains only to the test methods portion of this specification. *This standard does not purport to address all of the safety concerns, if any,*

associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 ASTM Standards:²

D638 Test Method for Tensile Properties of Plastics

D2240 Test Method for Rubber Property—Durometer Hardness

F381 Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines

F1077 Guide for Selection of Committee F16 Fastener Specifications (Withdrawn 2014)³

2.2 ANSI Standard:⁴

Z535.4 Product Safety Signs and Labels

2.3 Federal Standards:⁵

16 CFR 1500 Hazardous Substances Act Regulations

16 CFR 1500.48 Technical Requirements for Determining a Sharp Point in Toys and Other Articles Intended for Use by Children Under 8 Years of Age

16 CFR 1500.49 Technical Requirements for Determining a Sharp Metal or Glass Edge in Toys and Other Articles Intended for Use by Children Under 8 Years of Age

2.4 AATCC Standard:⁶

AATCC 169 Weather Resistance of Textiles: Xenon Lamp Exposure

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *attachment system, n*—the complete manner in which certain components are connected.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.

⁵ Available from Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.

⁶ Available from American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Research Triangle Park, NC 27709, <http://www.aatcc.org>.

¹ This safety specification is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.17 on Trampolines and Related Equipment.

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