



Standard Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines¹

This standard is issued under the fixed designation F381; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This safety specification covers the components, the assembly, and the use of consumer trampolines.

1.2 This specification is delimited in its application to trampolines of (1) a minimum bed size of 3300 in.² (21 300 cm²), (2) a minimum height of 20 in. (51 cm), (3) intended for the purpose of continuous, vertical jumping activities and (4) intended for consumer use.

1.3 This specification is intended (1) to reduce the demonstrated hazards associated with the use of trampolines by consumers; (2) for trampolines used in a home environment by a single user; and (3) not to apply to institutional trampolines or trampolines intended for use on water. Trampolines that adhere to this specification are not recommended for use by children under six years of age.

1.4 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.

1.5 *This standard does not purport to address all of the hazards associated with trampolines. 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.*

1.6 *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.*

1.7 This specification includes the following sections and selected subsections.

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2.1 ASTM Standards:²

- B117 Practice for Operating Salt Spray (Fog) Apparatus
- D638 Test Method for Tensile Properties of Plastics
- D2240 Test Method for Rubber Property—Durometer Hardness
- F355 Test Method for Impact Attenuation of Playing Surface Systems and Materials
- F1487 Consumer Safety Performance Specification for Playground Equipment for Public Use

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.