

Standard Specification for Residential Basketball Systems¹

This standard is issued under the fixed designation F1882; 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 specification covers the manufacture, assembly, recommended maintenance and use of complete residential basketball systems.

1.2 This specification is intended to reduce the potential hazards associated with the installation and use of residential basketball systems.

1.3 This specification is not intended to apply to the following:

1.3.1 Equipment intended to be used in places of public assembly, such as, but not limited to, schools, parks, public and private recreational facilities.

1.3.2 Individual components, such as rim, backboard, pole, portable base system, net, or other component when that component is not sold as a complete residential basketball system as defined in this specification.

1.3.3 Any residential basketball system that is mounted to any structure or surface other than that which is purchased as part of a complete residential basketball system. Examples include, but are not limited to, roof mounting, wall mounting, or any locally or self-manufactured components.

1.3.4 Any basketball equipment that does not use a full size rim, 18-in. (45.72-cm) diameter, or is designed for operational heights of less than 6 ft 6 in. (1.98 m) from the playing surface to the bottom of the backboard.

1.3.5 Accessories and add-ons.

1.4 This specification shall apply only to products manufactured after twelve months from the date this specification is published.

1.5 This specification does not cover product performance or quality, except as related to safety.

1.6 The rationale for provisions in this specification are given in [Appendix X1](#) and [Appendix X2](#).

1.7 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.

1.8 *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

[D2240 Test Method for Rubber Property—Durometer Hardness](#)

[C1048 Specification for Heat-Strengthened and Fully Tempered Flat Glass](#)

[F1148 Consumer Safety Performance Specification for Home Playground Equipment](#)

2.2 *ANSI Standards:*³

[ANSI Z535 Warning Labels](#)

[ANSI Z97.1–2004 American National Standard for Safety Glazing Materials Used in Buildings—Safety Performance Specification and Methods of Test](#)

2.3 *BSI Standard:*⁴

[BSI 6206: 1981 Impact Performance Requirements for Flat Safety Glass and Safety Plastics for Use in Buildings](#)

2.4 *Federal Standards:* Available from the Consumer Product Safety Commission, Washington, DC 20207.

[16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint](#)

[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](#)

¹ This specification is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of [F08.25](#) on Recreational Basketball Equipment.

Current edition approved June 1, 2015. Published August 2015. Originally approved in 1998. Last previous edition approved in 2014 as F1882 – 06 (2014). DOI: 10.1520/F1882-15.

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 Available from National Electrical Manufacturers Association (NEMA), 1300 N. 17th St., Suite 1847, Rosslyn, VA 22209.

⁴ Available from British Standards Institute (BSI), 389 Chiswick High Rd., London W4 4AL, U.K.