



Standard Specification for Residential Basketball Systems¹

This standard is issued under the fixed designation F 1882; 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 six 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 tests are intended to uncover hazards, rather than to demonstrate the reliability of the system. The fact that a mechanism or material of a system fails during testing only is relevant if the failure creates a potential hazard.

1.7 The rationale for provisions in this specification are given in Appendix X1 and Appendix X2.

2. Referenced Documents

2.1 ASTM Standards:

¹ This specification is under the jurisdiction of ASTM Committee F-08 on Sports Equipment and Facilities and is the direct responsibility of F08.25 on Residential Basketball Equipment.

Current edition approved April 10, 1998. Published September 1998.

D 2240 Test Method for Rubber Property—Durometer Hardness²

F 1148 Consumer Safety Performance Specification for Home Playground Equipment³

2.2 Federal Standards:

16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint⁴

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 Age⁴

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 Age⁴

2.3 ANSI Z535 Warning Labels⁵

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *accessories and add-ons* (items not covered in 3.1.3, 3.1.6, 3.1.8 and 3.1.14–3.1.15), *n*—including but not limited to, such things as ball returns, scoring and training devices, and including items attached to the system not intended for use in basketball.

3.1.2 *adjusting mechanism*, *n*—moveable components that lock structural components in the desired position to facilitate changes in rim height.

3.1.3 *backboard*, *n*—rigid, flat surface to provide rebound surface for a basketball.

3.1.4 *complete residential basketball system*, *n*—any combination of rim, net, backboard, portable or nonportable pole-type support system not specifically excluded in 1.3.1–1.3.5 that is designed and marketed by the original manufacturer to be used together, whether packaged together as a system, or separately as individual components.

3.1.5 *footing*, *n*—the method for securing the placement of the system into the ground.

3.1.6 *full-size rim*, *n*—moveable or fixed-type rim with an 18-in. (45.72-cm) inside diameter.

² Annual Book of ASTM Standards, Vol 09.01.

³ Annual Book of ASTM Standards, Vol 15.07.

⁴ Available from the Consumer Product Safety Commission, Washington, DC 20207.

⁵ Available from NEMA, 2101 “L” Street, NW, Suite 300, Washington, DC 20037–1580.