



Standard Specification for Helmets for Non-Motorized Wheeled ~~Vehicle~~Vehicles Used by Infants and Toddlers¹

This standard is issued under the fixed designation F1898; 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 performance requirements for helmets manufactured for use by infants and toddlers as passengers or operators of nonmotorized vehicles intended for their use. This specification recognizes the desirability of lightweight construction and ventilation; however, it is a performance standard and is not intended to restrict design.

1.2 All testing and requirements of this specification shall be in accordance with Test Methods **F1446** except as noted.

1.3 Partial utilization of this standard is prohibited. Any statement of compliance with this specification must be a certification that the product meets all of the requirements of this specification in their entirety. A product that fails to meet any one of the requirements of this specification is considered to have failed this standard, and should not be sold with any indication that it meets parts of this standard.

1.4 Headgear that complies with this and other standards may proclaim uses as described in those standards as certified by the manufacturer.

1.5 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

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.*

2. Referenced Documents

2.1 *ASTM Standards:*²

F1446 Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear

3. Labels and Warnings

3.1 In addition to the labeling requirements outlined in Test Methods **F1446**, the helmet shall have the words “For use by infants and toddlers when riding non-motorized wheeled vehicles intended for their use” inscribed on one of the interior permanent labels.

4. Marking the Test Line

4.1 The test line is shown in **Fig. 1** and shall be marked in accordance with Test Methods **F1446**.

5. Conditioning and Number of Samples

5.1 Four helmets of each model and size are required for testing.

5.2 Conditioning of test samples is described in Test Methods **F1446**.

6. Headforms

6.1 Headforms to be used in this specification are sizes ~~A, C,~~ A, C, and E according to Test Methods **F1446**, using the variable mass drop assembly configuration. The appropriate size headform shall be selected in accordance with Test Methods **F1446** for the helmet to be tested.

¹ This specification is under the jurisdiction of ASTM Committee **F08** on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee **F08.53** on Headgear and Helmets.

Current edition approved ~~Jan. 1, 2015~~ April 1, 2015. Published ~~February 2015~~ April 2015. Originally approved in 1998. Last previous edition approved in ~~2008~~ 2015 as **F1898–08**; **F1898 – 08 (2015)**. DOI: ~~10.1520/F1898-08R15~~ 10.1520/F1898-15.

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.