

§ 1512.1

AUTHORITY: Secs. 2(f)(1)(D), (q)(1)(A), (s), 3(e)(1), 74 Stat. 372, 374, 375, as amended, 80 Stat. 1304-05, 83 Stat. 187-89 (15 U.S.C. 1261, 1262).

SOURCE: 43 FR 60034, Dec. 22, 1978, unless otherwise noted.

Subpart A—Regulations

§ 1512.1 Scope.

This part sets forth the requirements for a bicycle as defined in §1512.2(a) (except a bicycle that is a “track bicycle” or a “one-of-a-kind bicycle” as defined in §1512.2 (d) and (e)) which is not a banned article under §1500.18(a)(12) of this chapter.

§ 1512.2 Definitions.

For the purposes of this part:

(a) *Bicycle* means a two-wheeled vehicle having a rear drive wheel that is solely human-powered.

(b) *Sidewalk bicycle* means a bicycle with a seat height of no more than 635 mm (25.0 in); the seat height is measured with the seat adjusted to its highest position.

(c) *Seat height* means the dimension from the point on the seat surface intersected by the seat post center line (or the center of the seating area if no seat post exists) and the ground plane, as measured with the wheels aligned and in a plane normal to the ground plane.

(d) *Track bicycle* means a bicycle designed and intended for sale as a competitive machine having tubular tires, single crank-to-wheel ratio, and no free-wheeling feature between the rear wheel and the crank.

(e) *One-of-a-kind bicycle* means a bicycle that is uniquely constructed to the order of an individual consumer other than by assembly of stock or production parts.

(f) *Normal riding position* means that the rider is seated on the bicycle with both feet on the pedals and both hands on the handlebars (and in a position that allows operation of handbrake levers if so equipped); the seat and handlebars may be adjusted to positions judged by the rider to be comfortable.

§ 1512.3 Requirements in general.

Any bicycle subject to the regulations in this part shall meet the re-

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quirements of this part in the condition to which it is offered for sale to consumers; any bicycle offered for sale to consumers in disassembled or partially assembled condition shall meet these requirements after assembly according to the manufacturer's instructions. For the purpose of compliance with this part, where the metric and English units are not equal due to the conversion process the less stringent requirement will prevail.

§ 1512.4 Mechanical requirements.

(a) *Assembly*. Bicycles shall be manufactured such that mechanical skills required of the consumer for assembly shall not exceed those possessed by an adult of normal intelligence and ability.

(b) *Sharp edges*. There shall be no unfinished sheared metal edges or other sharp parts on bicycles that are, or may be, exposed to hands or legs; sheared metal edges that are not rolled shall be finished so as to remove any feathering of edges, or any burrs or spurs caused during the shearing process.

(c) *Integrity*. There shall be no visible fracture of the frame or of any steering, wheel, pedal, crank, or brake system component resulting from testing in accordance with: The handbrake loading and performance test, §1512.18(d); the foot brake force and performance test, §1512.18(e); and the road test, §1512.18(p) (or the sidewalk bicycle proof test, §1512.18(q)).

(d) *Attachment hardware*. All screws, bolts, or nuts used to attach or secure components shall not fracture, loosen, or otherwise fail their intended function during the tests required in this part. All threaded hardware shall be of sufficient quality to allow adjustments and maintenance. Recommended quality thread form is specified in Handbook H28, “Screw Thread Standards for Federal Service,”¹ issued by the National Bureau of Standards, Department of Commerce; recommended mechanical properties are specified in ISO Recommendation R898, “Mechanical Properties of Fasteners,” and in ISO

¹Copies may be obtained from: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.