



Standard Practice for the Classification, Design, Manufacture, and Operation of Concession Go-Karts and Facilities¹

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1. Scope

1.1 This practice applies to the design, manufacture, and operation of concession go-karts and their associated operating facilities where public or member use is offered with a use fee. This practice defines classifications for the various vehicles offered for public use to replicate motor sports competitive activities.

1.2 *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.*

1.3 This standard does not apply to vehicles or facilities specifically offered for racing (race karts) or used for general purpose by private owners (fun karts) other than owners of concession go-kart facilities.

2. Referenced Documents

2.1 ASTM Standards:

F 698 Specification for Physical Information to Be Provided for Amusement Rides and Devices²

F 747 Terminology Relating to Amusement Rides and Devices²

F 770 Practice for Operation Procedures for Amusement Rides and Devices²

F 846 Guide for Testing Performance of Amusement Rides and Devices²

F 853 Practice for Maintenance Procedures for Amusement Rides and Devices²

F 893 Guide for Inspection of Amusement Rides and Devices²

F 1159 Practice for Design and Manufacture of Amusement Rides and Devices²

F 1193 Practice for Amusement Ride and Device Manufacturer Quality Assurance Program²

F 1305 Guide for Classification of Amusement Rides and Device-Related Injuries and Illnesses²

2.2 NFPA Standard:

NFPA

2.3 SAE Standard:

J1241 Fuel and Lubricant Tanks for Motorcycles³

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *concession go-kart, n*—an amusement ride or device, which meets all of the following specifications: the device is a single vehicle, unattached to other vehicles or a common frame system, which is powered without connection to a common energy source, which is driver controlled with respect to acceleration, speed, braking, and steering, which operates within the containment system of a defined track, and which simulates competitive motor sports, which is used by members of the general public for a fee. A concession go-kart has a maximum capacity of two persons and no cargo capacity.

3.1.1.1 *Discussion*—This definition specifically excludes similar go-kart devices that are intended for use as competitive (racing) karts or similar go-kart devices intended for ownership and use by private owners. This definition specifically excludes devices, such as electronically or rail guided amusement rides and bumper cars or other similar amusement motor sports devices that operate under circumstances where there is no defined direction of travel. Classifications of concession go-karts shall be based upon speed measured on a flat and level track surface.

3.1.1.2 *Class 1 concession go-kart, n*—a four-wheeled amusement ride or device controlled by the driver, without suspension, with a maximum capacity of one driver and one passenger. Speeds for a Class 1 concession go-kart shall not exceed 10 mph.

3.1.1.3 *Class 2 concession go-kart, n*—a four-wheeled amusement ride or device controlled by the driver, without suspension, with a maximum capacity of one driver and one passenger. Speeds for a Class 2 concession go-kart shall not exceed 22 mph.

3.1.1.4 *Class 3 concession go-kart, n*—a four-wheeled amusement ride or device controlled by the driver, without suspension, with a maximum capacity of one driver and one passenger. Speeds for a Class 3 concession go-kart shall not exceed 30 mph.

3.1.1.5 *Class 4 concession go-kart, n*—a four-wheeled

¹ This practice is under the jurisdiction of ASTM Committee F-24 on Amusement Rides and Devices and is the direct responsibility of Subcommittee F24.60 on Special Rides/Attractions.

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² *Annual Book of ASTM Standards*, Vol 15.07.

³ Available from SAE World Headquarters, 400 Commonwealth Dr., Warrendale, PA 15096-0001.