

ASTM Volume 15.07, November 2015

Sports Equipment and Facilities; Pedestrian/Walkway Safety and Footwear; Amusement Rides and Devices; Snow Skiing

Table of Contents

F355-10a Standard Test Method for Impact Attenuation of Playing Surface Systems and Materials

F381-15 Standard Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines

F429-10 Standard Test Method for Shock-Attenuation Characteristics of Protective Headgear for Football

F472-11 Standard Terminology for Geometry of Alpine Skis

F473-09 Standard Specification for Binding Mounting Area Dimensions on Alpine Skis and Bindings

F498-12 Standard Test Method for Center Spring Constant and Spring Constant Balance of Alpine Skis

F504-05(2012) Standard Test Method for Measuring the Quasi-Static Release Moments of Alpine Ski Bindings

F513-12 Standard Specification for Eye and Face Protective Equipment for Hockey Players

F539-01(2011) Standard Practice for Fitting Athletic Footwear

F609-05(2013) Standard Test Method for Using a Horizontal Pull Slipmeter (HPS)

F659-10 Standard Specification for Ski and Snowboard Goggles

F717-10 Standard Specification for Football Helmets

F747-06(2014) Standard Terminology Relating to Amusement Rides and Devices

F770-15 Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices

F779-12 Standard Test Method for Torsion Characteristic of Alpine Skis

F780-93a(2012) Standard Test Method for Linear Deformation and Breaking Strength of Alpine Skis

F803-14 Standard Specification for Eye Protectors for Selected Sports

F910-04(2015) Standard Specification for Face Guards for Youth Baseball

F939-12 Standard Practice for Selection of Release Torque Values for Alpine Ski Bindings

F1015-03(2009) Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces

F1045-15 Standard Performance Specification for Ice Hockey Helmets

F1061-08(2013) Standard Specification for Ski Binding Test Devices

F1062-97(2013) Standard Test Method for Verification of Ski Binding Test Devices

F1063-09(2014) Standard Practice for Functional Inspections and Adjustments of Alpine Ski/Binding/Boot Systems

F1064-11 Standard Practice for Sampling and Inspection of Complete and Incomplete Alpine Ski/Binding/Boot Systems in Rental Applications

F1081-09(2015) Standard Specification for Competition Wrestling Mats

F1107-04(2015) Standard Terminology Relating to Snowboarding

F1159-15a Standard Practice for Design of Amusement Rides and Devices that are Outside the Purview of Other F24 Design Standards

F1162/F1162M-12 Standard Specification for Pole Vault Landing Systems

F1163-13 Standard Specification for Protective Headgear Used in Horse Sports and Horseback Riding

F1193-14 Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices

F1240-01(2009) Standard Guide for Ranking Footwear Bottom Materials on Contaminated Walkway Surfaces According to Slip Resistance Test Results

F1250-13 Standard Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers

F1292-13 Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment

F1352-08(2013) Standard Guide for Fixed Blade Broadhead Performance and Safety Standards

F1363-07(2011) Standard Guide for Reduction of Risk of Injury for Archery Overdraws

F1435-08(2013) Standard Specification for Designation of the Balance Point Location for Archery Arrows

F1436-11 Standard Guide for Center Serving Diameter Dimensions for Archery Bow Strings

F1446-13 Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear

F1447-12 Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating

F1492-15 Standard Specification for Helmets Used in Skateboarding and Trick Roller Skating

F1543-96(2007) Standard Specification for Shock Attenuation Properties of Fencing Surfaces

F1544-11 Standard Specification for Determining the Rating Velocities of a Compound Archery Bow

F1551-09 Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials

F1587-12a Standard Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders

F1625-00(2012) Standard Specification and Test Method for Rear-Mounted Bicycle Child Carriers

F1632-03(2010) Standard Test Method for Particle Size Analysis and Sand Shape Grading of Golf Course Putting Green and Sports Field Rootzone Mixes

F1637-13 Standard Practice for Safe Walking Surfaces

F1646-13 Standard Terminology Relating to Safety and Traction for Footwear

F1647-11 Standard Test Methods for Organic Matter Content of Athletic Field Rootzone Mixes

F1648-95(2013) Standard Test Methods for Archery Bowstring Component—Serving String Material

F1694-14 Standard Guide for Composing Walkway Surface Investigation, Evaluation and Incident Report Forms for Slips, Stumbles, Trips, and Falls

F1702-10 Standard Test Method for Measuring Impact-Attenuation Characteristics of Natural Playing Surface Systems Using a Lightweight Portable Apparatus

F1703-13 Standard Guide for Skating and Ice Hockey Playing Facilities

F1720-14 Standard Test Method for Measuring Thermal Insulation of Sleeping Bags Using a Heated Manikin

F1722-15 Standard Test Method for Determining Mass and Moment of Inertia of Alpine Skis

F1749-15 Standard Specification for Fitness Equipment and Fitness Facility Safety Signage and Labels

F1750-11(2015) Standard Specification for Paintball Marker Threaded-Propellant Source Interface

F1752-96(2014) Standard Test Method for Archery Bow Component—Cord Material

F1753-96(2014) Standard Specification for Classification and Marking of Single-Lens Scopes for Use with Archery Bows

F1776-14 Standard Specification for Eye Protective Devices for Paintball Sports

F1777-12 Standard Practice for Paintball Field Operation

F1815-11 Standard Test Methods for Saturated Hydraulic Conductivity, Water Retention, Porosity, and Bulk Density of Athletic Field Rootzones

F1832-07(2011) Standard Test Method for Determining the Force-Draw and Let-Down Curves for Archery Bows

F1833-97(2011) Standard Test Method for Comparison of Rearfoot Motion Control Properties of Running Shoes

F1849-07(2012) Standard Specification for Helmets Used in Short Track Speed Ice Skating (Not to Include Hockey)

F1853-11 Standard Test Method for Measuring Sleeping Bag Packing Volume

F1880-09(2013) Standard Test Method for the Determination of Percent of Let-Off for Archery Bows

F1882-15 Standard Specification for Residential Basketball Systems

F1887-14 Standard Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs

F1888-09(2014) Standard Test Method for Compression-Displacement of Baseballs and Softballs

F1889-05(2014) Standard Guide for Straightness Measurement of Arrow Shafts

F1890-11 Standard Test Method for Measuring Softball Bat Performance Factor

F1898-15 Standard Specification for Helmets for Non-Motorized Wheeled Vehicles Used by Infants and Toddlers

F1900-98(2012) Standard Test Method for Water Resistance of Footwear Using a Walking Step Simulator

F1932/F1932M-98(2011)e1 Standard Test Method for Measuring Sleeping Bag Loft

F1933-98(2011) Standard Specification for Illustrating the Footprint of a Backpacking or Mountaineering Tent

F1934-98(2011) Standard Test Method for Weighing a Backpacking or Mountaineering Tent

F1935-01(2011) Standard Test Method for Measuring the Headroom of a Backpacking or Mountaineering Tent

F1936-10e1 Standard Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field

F1937-04(2010) Standard Specification for Body Protectors Used in Horse Sports and Horseback Riding

F1951-14 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment

F1952-15 Standard Specification for Helmets Used for Downhill Mountain Bicycle Racing

F1953-10 Standard Guide for Construction and Maintenance of Grass Tennis Courts

F1955-15 Standard Test Method for Flammability of Sleeping Bags

F1957-99(2011) Standard Test Method for Composite Foam Hardness-Durometer Hardness

F1975-09 Standard Specification for Nonpowered Bicycle Trailers Designed for Human Passengers

F1976-13 Standard Test Method for Impact Attenuation of Athletic Shoe Cushioning Systems and Materials

F1979-10(2014) Standard Specification for Paintballs Used in the Sport of Paintball

F2007-12 Standard Practice for Design, Manufacture, and Operation of Concession Go-Karts and Facilities

F2030-11 Standard Specification for Paintball Cylinder Burst Disk Assemblies

F2031-05(2014) Standard Test Method for Measurement of Arrow Shaft Static Spine (Stiffness)

F2032-15 Standard Specification for Helmets Used for BMX Cycling

F2040-11 Standard Specification for Helmets Used for Recreational Snow Sports

F2043-13 Standard Classification for Bicycle Usage

F2048-00(2009) Standard Practice for Reporting Slip Resistance Test Results

F2060-00(2011) Standard Guide for Maintaining Cool Season Turfgrasses on Athletic Fields

F2075-15 Standard Specification for Engineered Wood Fiber for Use as a Playground Safety Surface Under and Around Playground Equipment

F2106-12 Standard Test Methods for Evaluating Design and Performance Characteristics of Motorized Treadmills

F2107-08 Standard Guide for Construction and Maintenance of Skinned Areas on Baseball and Softball Fields

F2115-12 Standard Specification for Motorized Treadmills

F2117-10 Standard Test Method for Vertical Rebound Characteristics of Sports Surface/Ball Systems; Acoustical Measurement

F2120-06(2014) Standard Practice for Testing Treestand Load Capacity

F2121-13 Standard Practice for Treestand Labels

F2122-13 Standard Practice for Treestand Safety Devices

F2123-13 Standard Practice for Treestand Instructions

F2124-13 Standard Practice for Testing Treestand Ladder, Tripod Stand and Climbing Stick Load Capacity

F2125-09(2013) Standard Test Method for Treestand Static Stability and Adherence

F2126-06(2010) Standard Test Method for Treestand Static Load Capacity

F2128-13 Standard Test Method for Treestand Repetitive Loading Capability

F2137-15 Standard Practice for Measuring the Dynamic Characteristics of Amusement Rides and Devices

F2153-07(2012) Standard Test Method for Measurement of Backpack Capacity

F2157-09 Standard Specification for Synthetic Surfaced Running Tracks

F2184-10(2014) Standard Guide for Installation of Paintball Barrier Netting

F2216-12 Standard Specification for Selectorized Strength Equipment

F2219-14 Standard Test Methods for Measuring High-Speed Bat Performance

F2220-15 Standard Specification for Headforms

F2223-10 Standard Guide for ASTM Standards on Playground Surfacing

F2225-15 Standard Safety Specification for Consumer Trampoline Enclosures

F2232-14 Standard Test Method for Determining the Longitudinal Load Required to Detach High Heels from Footwear

F2268-03(2010) Standard Specification for Bicycle Serial Numbers

F2269-11 Standard Guide for Maintaining Warm Season Turfgrasses on Athletic Fields

F2270-12 Standard Guide for Construction and Maintenance of Warning Track Areas on Athletic Fields

F2271-11(2015) Standard Specification for Paintball Marker Barrel Blocking Devices

F2272-13 Standard Specification for Paintball Markers

F2273-11 Standard Test Methods for Bicycle Forks

F2274-11 Standard Specification for Condition 3 Bicycle Forks

F2275-10(2014) Standard Practice for Treestand Manufacturer Quality Assurance Program

F2276-10 Standard Specification for Fitness Equipment

F2277-12 Standard Test Methods for Evaluating Design and Performance Characteristics of Selectorized Strength Equipment

F2278-10a(2014) Standard Test Method for Evaluating Paintball Barrier Netting

F2291-14 Standard Practice for Design of Amusement Rides and Devices

F2333-04(2011) Standard Test Method for Traction Characteristics of the Athletic Shoe–Sports Surface Interface

F2334-09 Standard Guide for Above Ground Public Use Skatepark Facilities

F2337-11 Standard Test Method for Treestand Fall Arrest System

F2374-10 Standard Practice for Design, Manufacture, Operation, and Maintenance of Inflatable Amusement Devices

F2375-09 Standard Practice for Design, Manufacture, Installation and Testing of Climbing Nets and Netting/Mesh used in Amusement Rides, Devices, Play Areas and Attractions

F2376-13 Standard Practice for Classification, Design, Manufacture, Construction, and Operation of Water Slide Systems

F2396-11 Standard Guide for Construction of High Performance Sand-Based Rootzones for Athletic Fields

F2397-09(2015) Standard Specification for Protective Headgear Used in Martial Arts

F2398-11 Standard Test Method for Measuring Moment of Inertia and Center of Percussion of a Baseball or Softball Bat

F2400-06(2011) Standard Specification for Helmets Used in Pole Vaulting

F2412-11 Standard Test Methods for Foot Protection

F2413-11 Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear

F2416-06(2011) Standard Specification for Protective Headgear Used in Electric Personal Assistive Mobility Devices

F2439-06(2011) Standard Specification for Headgear Used in Soccer

F2440-11 Standard Specification for Indoor Wall/Feature Padding

F2441-12 Standard Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks

F2442-07 Standard Guide for Layout of Ice Arena

F2460-11 Standard Practice for Special Requirements for Bumper Boats

F2461-09 Standard Practice for Manufacture, Construction, Operation, and Maintenance of Aquatic Play Equipment

F2479-12 Standard Guide for Specification, Purchase, Installation and Maintenance of Poured-In-Place Playground Surfacing

F2480-06(2012) Standard Guide for In-ground Concrete Skatepark

F2508-13 Standard Practice for Validation, Calibration, and Certification of Walkway Tribometers Using Reference Surfaces

F2530-13 Standard Specification for Protective Headgear with Faceguard Used in Bull Riding

F2531-13 Standard Test Method for Load Capacity of Treestand Seats

F2546-07(2012) Standard Test Method for Snowboard Step-in Bindings

F2553-11 Standard Specification for Warnings on Refillable CO₂ Cylinders Used In the Sport of Paintball

F2568-06(2012) Standard Test Method for Measurement of Sleeping Bags

F2569-11 Standard Test Method for Evaluating the Force Reduction Properties of Surfaces for Athletic Use

F2571-15 Standard Test Methods for Evaluating Design and Performance Characteristics of Fitness Equipment

F2573-06(2014) Standard Specification for Low Velocity Resilient Material Projectile

F2574-06(2014) Standard Specification for Low Velocity Projectile Marker

F2614-09(2014) Standard Specification for Condition 3 Bicycle Frames

F2650-13 Standard Terminology Relating to Impact Testing of Sports Surfaces and Equipment

F2651-10 Standard Terminology Relating to Soil and Turfgrass Characteristics of Natural Playing Surfaces

F2653-11(2015) Standard Specification for Paintball Valve Male Threaded Connection for Use with Approved Cylinders

F2654-15 Standard Specification for Airsoft Gun Warnings

F2679-15e1 Standard Specification for 6 mm Projectiles Used with Airsoft Guns

F2680-09(2014) Standard Specification for Manually Operated Front Wheel Retention Systems for Bicycles

F2681-08(2014) Standard Specification for Body Protectors Used in Equine Racing

F2711-08(2012) Standard Test Methods for Bicycle Frames

F2713-14 Standard Specification for Eye Protectors for Field Hockey

F2727-09(2014) Standard Guide for Manufacturers for Labeling Headgear Products

F2747-10 Standard Guide for Construction of Sand-based Rootzones for Golf Putting Greens and Tees

F2748-15 Standard Specification for Airsoft Guns

F2765-14 Standard Specification for Total Lead Content in Synthetic Turf Fibers

F2772-11 Standard Specification for Athletic Performance Properties of Indoor Sports Floor Systems

F2773-13 Standard Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders

F2774-09(2014) Standard Practice for Manufacturing Quality Control of Consumer Trampoline Bed Material

F2783-14 Standard Practice for Design, Manufacture, Operation, Maintenance, and Inspection of Amusement Rides and Devices, in Canada

F2793-14 Standard Specification for Bicycle Grips

F2801-11(2015) Standard Practice for Paintball Player Safety Briefing

F2802-09 Standard Specification for Condition 1 Bicycle Frames

F2810-10 Standard Specification for Elliptical Trainers

F2811-10 Standard Test Methods for Evaluating Design and Performance Characteristics of Elliptical Trainers

F2812-12 Standard Specification for Goggle- and Spectacle-Type Eye Protectors for Selected Motor Sports

F2842-11 Standard Specification for Reins Used in Thoroughbred and Quarter Horse Racing

F2843-10a Standard Specification for Condition 0 Bicycle Frames

F2844-11 Standard Test Method for Displacement Compression of Softball and Baseball Bat Barrels

F2845-14 Standard Test Method for Measuring the Dynamic Stiffness (DS) and Cylindrical Coefficient of Restitution (CCOR) of Baseballs and Softballs

F2856-12 Standard Practice for Transfilling and Safe Handling of Small CO2 Cylinders for Use in Paintball

F2867-13 Standard Terminology Relating to Thoroughbred Horse Racing Surfaces

F2868-10 Standard Specification for Condition 2 Bicycle Frames

F2879-14 Standard Specification for Eye Protective Devices for Airsoft Sports

F2892-11 Standard Specification for Performance Requirements for Soft Toe Protective Footwear (Non-Safety / Non-Protective Toe)

F2898-11 Standard Test Method for Permeability of Synthetic Turf Sports Field Base Stone

and Surface System by Non-confined Area Flood Test Method

F2899-11 Standard Specification for Condition 1 Bicycle Forks

F2904-11(2015) Standard Specification for Warnings on Paintball Marker Accessories Used In the Sport of Paintball

F2913-11 Standard Test Method for Measuring the Coefficient of Friction for Evaluation of Slip Performance of Footwear and Test Surfaces/Flooring Using a Whole Shoe Tester

F2917-12 Standard Specification for Bicycle Trailer Cycles Designed for Human Passengers

F2918-11 Standard Test Method for Weighing a Bicycle

F2940-13 Standard Practice for Air Soft Field Operation

F2941-13 Standard Practice for Air Soft Player Safety Briefing

F2948-13 Standard Guide to Walkway Auditor Qualifications

F2949-12e2 Standard Specification for Pole Vault Box Collars

F2959-14 Standard Practice for Special Requirements for Aerial Adventure Courses

F2960-15 Standard Practice for Permanent Amusement Railway Ride Tracks and Related Devices

F2965-13 Standard Guide for Selection of Walkway Surfaces and Treatments When Considering Aggressive Contaminant Conditions in Commercial and Industrial (Not Including Construction) Environments

F2966-13 Standard Guide for Snow and Ice Control for Walkway Surfaces

F2970-15 Standard Practice for Design, Manufacture, Installation, Operation, Maintenance, Inspection and Major Modification of Trampoline Courts

F2974-13 Standard Guide for Auditing Amusement Rides and Devices

F2983-13 Standard Guide for Manufacturers for Labeling and Care Instructions for Wrestling Mats

F3012-14 Standard Specification for Loose-Fill Rubber for Use as a Playground Safety Surface under and around Playground Equipment

F3013-13 Standard Test Method for Density of Topsoil and Blended Soils In-place by the Core Displacement Method

F3021-15 Standard Specification for Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments

F3022-15 Standard Test Method for Evaluating the Universal Design of Fitness Equipment for Inclusive Use by Persons with Functional Limitations and Impairments

F3023-13 Standard Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers

F3030-13 Standard Test Method for Snowboards with a Channel-Mounting System and Removable Inserts

F3077-14 Standard Specification for Eye Protectors for Women's Lacrosse

F3085-14 Standard Specification for Air Soft Gun Barrel Blocking Devices

F3099-14 Standard Practices for Parasailing

F3100-15 Standard Practice for Low Impact Paintball Field Operation

F3101-15 Standard Specification for Unsupervised Public Use Outdoor Fitness Equipment

F3102-15 Standard Guide for Specifying, Measuring, and Managing Impact Attenuation of Synthetic Turf Playing Systems

F3103-14 Standard Specification for Testing Off-Road Motorcycle and ATV Helmets

F3104-14 Standard Test Methods for Evaluating Design and Performance Characteristics of Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment

F3105-14 Standard Specification for Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment

F3137-15 Standard Specification for Headgear Used in Women's Lacrosse (excluding Goalkeepers)