



Permanent Technologies

“Tinelok™ ®” Vibration Proof Fastening System

List of Fastener Standards developed by ASTM:

Coatings on Fasteners

Designation	Title
F1136 / F1136M – 11	Standard Specification for Zinc/Aluminum Corrosion Protective Coatings for Fasteners
F1137 – 11e1	Standard Specification for Phosphate/Oil Corrosion Protective Coatings for Fasteners
F1428 – 92(2011)	Standard Specification for Aluminum Particle-Filled Basecoat/Organic or Inorganic Topcoat, Corrosion Protective Coatings for Fasteners
F1941M – 07	Standard Specification for Electrodeposited Coatings on Threaded Fasteners [Metric]
F1941 – 10	Standard Specification for Electrodeposited Coatings on Threaded Fasteners (Unified Inch Screw Threads (UN/UNR))
F2329 – 13	Standard Specification for Zinc Coating, Hot-Dip, Requirements for Application to Carbon and Alloy Steel Bolts, Screws, Washers, Nuts, and Special Threaded Fasteners
F2833 – 11	Standard Specification for Corrosion Protective Fastener Coatings with Zinc Rich Base Coat and Aluminum Organic/Inorganic Type

Driven and Other Fasteners:

Designation	Title
F547 – 06(2012)	Standard Terminology of Nails for Use with Wood and Wood-Base Materials
F592 – 84(2012)	Standard Terminology of Collated and Cohered Fasteners and Their Application Tools
F680 – 80(2012)	Standard Test Methods for Nails
F1575 – 03(2008)	Standard Test Method for Determining Bending Yield Moment of Nails
F1667 – 11ae1	Standard Specification for Driven Fasteners: Nails, Spikes, and Staples

Editorial:

Designation	Title
F1077 – 05	Standard Guide for Selection of Committee F16 Fastener Specifications

Nonferrous Fasteners:

Designation	Title
F467M – 06a(2012)	Standard Specification for Nonferrous Nuts for General Use (Metric)
F467 – 13	Standard Specification for Nonferrous Nuts for General Use
F468M – 06(2012)	Standard Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric)
F468 – 12	Standard Specification for Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use
F593 – 13	Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs
F594 – 09e1	Standard Specification for Stainless Steel Nuts
F738M – 02(2008)	Standard Specification for Stainless Steel Metric Bolts, Screws, and Studs
F836M – 02(2010)	Standard Specification for Style 1 Stainless Steel Metric Nuts
F837 – 08	Standard Specification for Stainless Steel Socket Head Cap Screws
F837M – 02a(2010)	Standard Specification for Stainless Steel Socket Head Cap Screws [Metric]
F879M – 02a(2008)	Standard Specification for Stainless Steel Socket Button and Flat Countersunk Head Cap Screws (Metric)
F879 – 12	Standard Specification for Stainless Steel Socket Button and Flat Countersunk Head Cap Screws
F880M – 02(2008)	Standard Specification for Stainless Steel Socket Set Screws (Metric)
F880 – 12	Standard Specification for Stainless Steel Socket, Square Head, and Slotted Headless–Set Screws
F901 – 01(2012)	Standard Specification for Aluminum Transmission Tower Bolts and Nuts
F2281 – 04(2012)	Standard Specification for Stainless Steel and Nickel Alloy Bolts, Hex Cap Screws, and Studs, for Heat Resistance and High Temperature Applications

Quality Assurance Provisions for Fasteners:

Designation	Title
F788 – 13	Standard Specification for Surface Discontinuities of Bolts, Screws, and Studs, Inch and Metric Series
F812 – 12	Standard Specification for Surface Discontinuities of Nuts, Inch and Metric Series

Designation	Title
F1469 – 11	Standard Guide for Conducting a Repeatability and Reproducibility Study on Test Equipment for Nondestructive Testing
F1470 – 12	Standard Practice for Fastener Sampling for Specified Mechanical Properties and Performance Inspection
F1503 – 02(2012)	Standard Practice for Machine/Process Capability Study Procedure
F1940 – 07a	Standard Test Method for Process Control Verification to Prevent Hydrogen Embrittlement in Plated or Coated Fasteners
F2282 – 03(2009)e1	Standard Specification for Quality Assurance Requirements for Carbon and Alloy Steel Wire, Rods, and Bars for Mechanical Fasteners
F2688 – 08	Standard Guide for System-Based, Customer-Centered Quality Plan for Manufacturers

Small Fastener Products

Designation	Title
F2403 – 09	Standard Specification for Inch Series Machine Screws, Carbon Steel, 60 000 psi Tensile Strength

Steel Bolts, Nuts, Rivets and Washers:

Designation	Title
A31 – 04(2009)	Standard Specification for Steel Rivets and Bars for Rivets, Pressure Vessels
A307 – 12	Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength
A325M – 13	Standard Specification for Structural Bolts, Steel, Heat Treated 830 MPa Minimum Tensile Strength (Metric)
A325 – 10e1	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength
A354 – 11	Standard Specification for Quenched and Tempered Alloy Steel Bolts, Studs, and Other Externally Threaded Fasteners
A394 – 08e1	Standard Specification for Steel Transmission Tower Bolts, Zinc-Coated and Bare
A449 – 10	Standard Specification for Hex Cap Screws, Bolts and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use
A489 – 12	Standard Specification for Carbon Steel Lifting Eyes
A490 – 12	Standard Specification for Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength
A490M – 12	Standard Specification for High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints (Metric)
A502 – 03(2009)	Standard Specification for Rivets, Steel, Structural
A563 – 07a	Standard Specification for Carbon and Alloy Steel Nuts

Designation	Title
A563M – 07	Standard Specification for Carbon and Alloy Steel Nuts [Metric]
A574M – 12	Standard Specification for Alloy Steel Socket-Head Cap Screws (Metric)
A574 – 13	Standard Specification for Alloy Steel Socket-Head Cap Screws
F432 – 13	Standard Specification for Roof and Rock Bolts and Accessories
F436 – 11	Standard Specification for Hardened Steel Washers
F436M – 11	Standard Specification for Hardened Steel Washers [Metric]
F541 – 12	Standard Specification for Alloy Steel Eyebolts
F835M – 11	Standard Specification for Alloy Steel Socket Button and Flat Countersunk Head Cap Screws (Metric)
F835 – 12	Standard Specification for Alloy Steel Socket Button and Flat Countersunk Head Cap Screws
F844 – 07a	Standard Specification for Washers, Steel, Plain (Flat), Unhardened for General Use
F912 – 11	Standard Specification for Alloy Steel Socket Set Screws
F912M – 11	Standard Specification for Alloy Steel Socket Set Screws (Metric)
F959M – 13	Standard Specification for Compressible-Washer-Type Direct Tension Indicators for Use With Structural Fasteners (Metric)
F959 – 13	Standard Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners
F1554 – 07ae1	Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
F1852 – 11	Standard Specification for “Twist Off” Type Tension Control Structural Bolt/Nut/Washer Assemblies, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength
F2280 – 12	Standard Specification for “Twist Off” Type Tension Control Structural Bolt/Nut/Washer Assemblies, Steel, Heat Treated, 150 ksi Minimum Tensile Strength
F2437 – 12	Standard Specification for Carbon and Alloy Steel Compressible-Washer-Type Direct Tension Indicators for Use with Cap Screws, Bolts, Anchors, and Studs
F2482 – 08	Standard Specification for Load-Indicating Externally Threaded Fasteners
F2882 – 12	Standard Specification for Screws, Alloy Steel, Heat Treated, 170 ksi Minimum Tensile Strength
F2882M – 12	Standard Specification for Screws, Alloy Steel, Heat Treated, 1170 MPa Minimum Tensile Strength [Metric]

Terminology:

Designation	Title
F1789 – 12a	Standard Terminology for F16 Mechanical Fasteners

Test Methods:

Designation	Title
F606 – 11a	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets
F606M – 13	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, and Rivets (Metric)
F2328M – 07	Standard Test Method for Determining Decarburization and Carburization in Hardened and Tempered Threaded Steel Bolts, Screws and Studs [Metric]
F2328 – 05(2011)	Standard Test Method for Determining Decarburization and Carburization in Hardened and Tempered Threaded Steel Bolts, Screws and Studs
F2660 – 12	Standard Test Method for Qualifying Coatings for Use on A490 Structural Bolts Relative to Hydrogen Embrittlement
F2832 – 11	Standard Guide for Accelerated Corrosion Testing for Mechanical Fasteners

Other Standards developed by ASTM committees:

[3D Imaging Standards](#)
[Additive Manufacturing Standards](#)
[Adhesive Standards](#)
[Aerospace Material Standards](#)
[Analytical Chemistry Standards](#)
[Asset Management Standards](#)
[Atmospheric Analysis Standards](#)
[Biotechnology Standards](#)
[Construction Standards](#)
[Adhesive Standards](#)
[Building Standards](#)
[Cement Standards and Concrete Standards](#)
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[Geotechnical Engineering Standards](#)
[Masonry Standards](#)
[Road Standards and Paving Standards](#)
[Roofing Standards](#)
[Thermal Insulation Standards](#)
[Wood Standards](#)
[Business Copy Product Standards](#)
[Carbon Standards](#)
[Catalyst Standards](#)
[Cement Standards and Concrete Standards](#)
[Coal Standards and Gas Standards](#)
[Composite Standards](#)
[Computerized System Standards](#)
[Consumer Product Evaluation Standards](#)
[Copper Standards](#)
[Corrosion Standards and Wear Standards](#)
[Durability of Nonmetallic Material Standards](#)
[Electrical Insulating Material Standards](#)
[Electrical Standards and Magnetic Conductor Standards](#)

Electronics Standards
Environmental Standards
Atmospheric Analysis Standards
Environmental Assessment Standards and Risk Management Standards
Environmental Toxicology Standards
Waste Management Standards
Water Testing Standards
Fastener Standards
Fatigue Standards and Fracture Standards
Fire Standards and Flammability Standards
Forensic Science Standards
Geotechnical Engineering Standards
Glass Standards and Ceramic Standards
Industrial Chemical Standards
Industrial Hygiene Standards and Safety Standards
Laboratory Testing Standards
Leather Standards
Masonry Standards
Medical Device Standards and Implant Standards
Medical Service Standards and Medical Equipment Standards
Metals Standards
Analytical Chemistry Standards
Cast Iron Standards
Copper Standards
Corrosion Standards and Wear Standards
Fastener Standards
Fatigue Standards and Fracture Standards
Metallic Coating Standards
Nonferrous Metal Standards and Nonferrous Alloy Standards
Steel Standards
Molecular Spectroscopy Standards and Separation Science Standards
Nanotechnology Standards
Nondestructive Testing Standards
Nuclear Technology Standards
Oxygen Enriched Atmospheres Standards
Paint Standards and Related Coating Standards
Paper Standards and Packaging Standards
Petroleum Standards
Pharmaceutical Application Standards
Physical Measurement Standards
Physical Testing Standards and Mechanical Testing Standards
Plastic Pipe Standards
Plastics Standards
Quality Control Standards
Refractory Standards
Resilient Floor Covering Standards
Road Standards and Paving Standards
Rolling Element Bearing Standards
Roofing Standards
Rubber Standards
Search and Rescue Operations Standards
Security System Standards and Pedestrian / Walkway Safety Standards
Sensory Evaluation Standards
Soap Standards and Polish Standards
Sports Standards and Recreation Standards
Steel Standards
Sustainability Standards
Temperature Measurement Standards

Textile Standards
Thermal Analysis Standards
Thermal Insulation Standards
Underground Utility Standards
Unmanned Maritime Vehicle Standards
Waste Management Standards
Water Testing Standards
Wood Standards