

ASTM

The American Society for Testing and Materials is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

Bolt Specifications

ASTM A193	This specification covers alloy and stainless steel bolting materials and bolting components for high temperature or high pressure service, or other special purpose applications.
ASTM A307	This specification covers the chemical and mechanical requirements of two grades of carbon steel bolts and studs in sizes 1/4 in. through 4 in.
ASTM A325	This specification covers two types of quenched and tempered steel heavy hex structural bolts having a minimum tensile strength of 120 ksi for sizes 1.0 in. and less and 105 ksi for sizes over 1.0 to 11/2 in.
ASTM A354	This specification covers the chemical and mechanical requirements of quenched and tempered alloy steel bolts, studs, and other externally threaded fasteners.
ASTM A449	This specification covers quenched and tempered steel hex cap screws, bolts, and studs for general engineering use.
ASTM A490	This specification covers structural bolts and alloy steel that is heat treated to a minimum tensile strength of 150 ksi.
ASTM F593	This specification covers the requirements for stainless steel bolts, hex cap screws, and studs
ASTM F1554	This specification covers the chemical, mechanical, and dimensional requirements, and associated test methods for straight and bent, headed and headless anchor bolts that are intended for anchoring structural supports to concrete foundations.
ASTM F3125	This specification covers unified structural bolts. This specification is a consolidation and replacement of six ASTM standards, including; A325, A325M, A490, A490M, F1852 and F2280.

Nuts Specifications

	This specification covers carbon, alloy, and stainless steel nuts for bolts for high pressure and high temperature service.
ASTM A563	This specification covers carbon and alloy steel nuts.
ASTM F594	This specification covers stainless steel nuts.

Plating Specifications

ASTM A153	This specification covers Zinc coating (hot dip) on iron and steel hardware.
ASTM B695	This specification covers coatings of Zinc mechanically deposited on iron and steel.

Rebar Specifications

ASTM A615	
ASTIVI ACTS	This specification covers deformed and plain carbon-steel bars for concrete reinforcement.



Steel Specifications

ASTM A36	This specification covers carbon structural steel.
ASTM A572	This specification covers high-strength low-alloy columbium-vanadium structural steel.
ASTM A588	This specification covers high-strength low-alloy structural steel, up to 50 ksi minimum yield point, with atmospheric corrosion resistance.

Washer Specifications

ASTM F844	This specification covers general use, unhardened steel, plain (flat) washers.
ASTM F436	This specification covers hardened steel washers.

SAE

SAE International (Society of Automotive Engineers) is a professional association and standards development organization for the engineering industry, with a special focus on transport sectors such as automotive, aerospace and commercial vehicles. SAE bolts are also used in machinery, equipment, and OEM equipment.

Bolt Specifications

This specification covers mechanical and material requirements for externally threaded fasteners.

Nut Specifications

SAE J995	This specification covers mechanical and material requirements for steel nuts.
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