

PIPING RESOURCES, INC.

FASTENERS

ASTM STANDARDS		SAE STANDARDS	ANSI/ASME STANDARDS
153 Zinc coating (hot-dip) on iron and steel hardware	A540/A540M Alloy steel bolting materials for special applications	J82 Mechanical and quality requirements for machine screws	B1.1 Unified inch screw threads (UN and UNR thread form)
A165 Electrodeposited coating of cadmium on steel	A563 Carbon and alloy steel nuts	J104 Square and hex nuts	B18.2.1 Square and hex bolts and screws (inch series)
A193/A193M Alloy steel and stainless steel bolting materials for high temperature service	A687 High strength non-headed steel bolts and studs	J105 Hex bolts	B18.2.2 Square and hex nuts (inch series)
A307 Carbon steel externally threaded standard fasteners	F436 Hardened steel washers	J122 Surface discontinuities on nuts	B18.6.1 Wood screws (inch series]
A320/A320M Alloy steel bolting materials for low temperature service	F467 Nonferrous nuts for general use	J123 Surface discontinuities on bolts, screws, and studs	B18.6.3 Machine screws and machine screw nuts
A325 High strength bolts for structural steel joints	F468 Nonferrous bolts, hex cap screws and studs for general use	J429 Mechanical and material requirements for external threaded fasteners	B18.15 Forged eyebolts
A354 Quenched and tempered alloy steel bolts, studs and other externally threaded fasteners	F541 Alloy steel eyebolt	J488 Plain washers	B18.21.1 Lock washers (inch series)
A449 Quenched and tempered steel bolts and studs	F593 Stainless steel bolts, hex cap screws and studs	J489 Lock washers	B18.22.1 Plain washers
A489 Carbon steel eyebolts	F594 Stainless steel nuts	J995 Mechanical and material requirements for steel nuts	B18.2.6 Fasteners for use in structural applications
A490 Heat treated steel structural bolts, 150 ksi tensile strength	F959 Compressible washer type direct tension indicators for use with structural fasteners	J1061 Surface discontinuities on general application bolts, screws, and studs	

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