

SINGLE END STUD



Threaded stud bolts are used in tension to hold hanging devices or clamp pressure vessels. Stud bolts are also used as anchorage.

Since threading impacts the strength of steel bar, double or single end studs are used when the exact length of thread is known for the application.

When a nut and/or washer is used, choose a compatible material where the proof load of the nut is greater than the tensile strength of the bolt and the washer is through hardened. Be sure that the thread pitch of the nut matches the thread pitch of the bolt.

Available Single End Stud Material

Specification	Yield
ASTM A307 Gr A	low carbon steel
ASTM A36/A 36M	36 ksi minimum
ASTM A108 - 1008/1010	low carbon steel
ASTM A193 Gr B7 (to 2-1/2" dia.)	105 ksi minimum
ASTM A193 Gr B8 Class 1	30 ksi minimum
ASTM A193 Gr B8M Class 1	30 ksi minimum
ASTM A242 (to 3/4")	50 ksi minimum
ASTM A242 (3/4 to 1-1/2")	46 ksi minimum
ASTM A588/A 588M	50 ksi minimum
AISI 304 Stainless Steel	42 ksi minimum
AISI 316 Stainless Steel	42 ksi minimum
DIN 975 10.9	130 ksi minimum

Protective Coatings

Specification	Method of Deposit / Material
Plain	None
ASTM F2329	Hot Dip Galvanized Zinc
ASTM B695 Cl. 55	Mechanical Galvanized Zinc
ASTM B633-07 Type II SC 1	Electrodeposited Zinc Silver
ASTM B633-07 Type II SC 1	Electrodeposited Zinc Yellow
ASTM B696 Ty II Cl 5	Mechanical Cadmium
ASTM B766 Ty II Cl 5	Electrodeposited Cadmium

Products manufactured and inspected per Quality System ASME B18.18.4M

Thread Pitch

Form / Fit / Direction	Type
UNC Class 2A / 2B RH or LH	Cut or Roll Thread
UNF Class 2A / 2B RH or LH	Cut or Roll Thread
UNC8 Class 2A / 2B RH	Cut or Roll Thread

Available Nuts

Specification / Grade / Type	Proof Load
ASTM A563 Gr A Hex	90 ksi minimum
ASTM A563 Gr A Heavy Hex	90 ksi minimum
ASTM A563 Gr C Hex	144 ksi minimum
ASTM A563 Gr D Hex	150 ksi minimum
ASTM A563 Gr DH Heavy Hex	175 ksi minimum
ASTM A563 Gr DH3 Heavy Hex	175 ksi minimum
ASTM A194 Gr 2H Heavy Hex	175 ksi minimum
ASTM A194 Gr 8 Heavy Hex	80 ksi minimum
ASTM A194 Gr 8M Heavy Hex	80 ksi minimum
AISI 304 Stainless Steel Hex	85 ksi minimum
AISI 316 Stainless Steel Hex	85 ksi minimum

Ordering Information

Manufactured Per Print

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