

U-Bolt - Long Tangent (fig 137) / U-Bolt Plate



U-Bolts are employed to join, clamp, hold or secure products. They are commonly found in piping, tower, automotive, trailer and various other OEM applications.

Used largely in process piping applications, long tangent U-Bolts are produced to fit steel pipe.

U-Bolts are delivered without nuts or plates unless specified by the purchaser.

Thread Pitch

Form / Fit	Type
UNC Class 2A / 2B	Cut or Roll Thread

U-Bolt Plates

Material	ASTM A1018/ASTM A36
Coating	Electrodeposited Zinc

* U-Bolt Plate Ordered Separately

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 D563 Gr DH 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

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

Available U-Bolt Materials

U-Bolt	Yield
ASTM F1554 Gr 36	36 ksi minimum
ASTM F1554 Gr 55	55 ksi minimum
ASTM F1554 Gr 105	105 ksi minimum
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 Class1	30 ksi minimum
ASTM A354 Gr BD (to 2-1/2" dia.)	130 ksi minimum
ASTM A449 (to 1" dia.)	92 ksi minimum
ASTM A449 (1 to 1-1/2" dia.)	81 ksi minimum
ASTM A108 - 1008/1010	low carbon steel
ASTM A36/A 36M	36 ksi minimum
ASTM A307 Gr A	low carbon steel
AISI 304 Stainless Steel	42 ksi minimum
AISI 316 Stainless Steel	42 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

WestermannBG

4300 Diplomacy Rd.
Fort Worth, TX 76155
Phone: (817) 553-1954
Fax: (817) 553-1964
www.gowestermann.com

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USA