



# NU-BOLT™ 316 SS LOAD VALUES

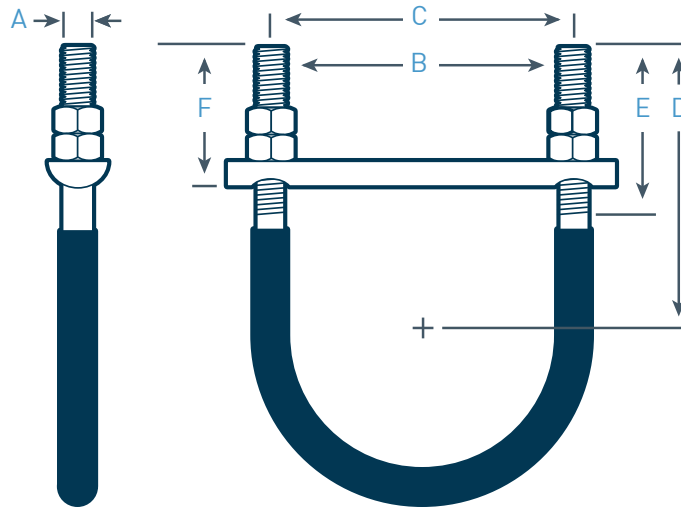
**Size range:** 1/2" to 12" pipe

**Material:** 316 SS U-bolt and four 316 SS hex nuts

**Finish:** Plain

**Service:** Recommended for support or guide of heavy loads, usually employed in marine and corrosive environments.

**Approvals:** Complies with Federal Specification A-A-1192A (Type 24), ANSI/MSS SP-58 (Type 24)



**Note:** When the combination of a normal load and a side load occurs, a straight line interaction formula may be used to determine if the values shown are still within the allowable stress range:

$$P_n/P_{na} + P_s/P_{sa} \leq 1$$

Where:

- P<sub>n</sub>** = actual implied load
- P<sub>na</sub>** = allowable normal load for the U-bolt
- P<sub>s</sub>** = actual applied side load
- P<sub>sa</sub>** = allowable side load for the U-bolt

Nuts must be snug tight in installation to achieve side loads shown.

Pipe size	Rod size A	Max normal load (lbs)		450° F Max side load (lbs)	Weight (lbs)	B	C	D	E	F
		450° F	650° F							
1/2"	1/4"	500	454	120	0.11	15/16"	1 3/16"	2 3/4"	2 1/8"	2 5/16"
3/4	1/4	500	454	120	0.12	1 1/8	1 3/8	2 3/4	2 1/8	2 7/32
1	1/4	500	454	120	0.12	1 3/8	1 5/8	2 3/4	2 1/8	2 3/32
1 1/4	3/8	1,240	1,144	310	0.28	1 11/16	2 1/16	2 7/8	2 1/8	2 1/32
1 1/2	3/8	1,240	1,144	310	0.30	2	2 3/8	3	2 1/2	2 1/16
2	3/8	1,240	1,144	310	0.33	2 7/16	2 13/16	3 1/4	2 1/2	2 5/16
2 1/2	1/2	2,300	2,300	570	0.70	2 15/16	3 7/16	3 3/4	3	2 1/4
3	1/2	2,300	2,300	570	0.78	3 9/16	4 1/16	4	3	2 1/4
4	1/2	2,300	2,300	570	0.90	4 9/16	5 1/16	4 1/2	3	2 1/4
5	1/2	2,300	2,300	570	1.04	5 5/8	6 1/8	5	3	2 7/32
6	5/8	3,675	3,310	915	2.0	6 3/4	7 3/8	6 1/8	3 3/4	2 13/16
8	5/8	3,675	3,310	915	2.3	8 3/4	9 3/8	7 1/8	3 3/4	2 13/16
10	3/4	5,490	4,940	1,370	4.9	10 7/8	11 5/8	8 3/8	4	3
12	7/8	8,400	7,560	2,115	7.7	12 7/8	13 3/4	9 5/8	4	3 1/4