



NU-BOLT™ LOAD VALUES

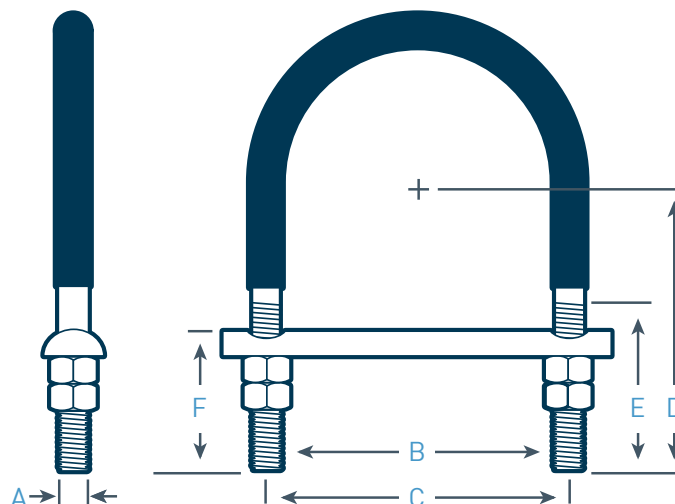
Size range: 1/2" to 36" pipe

Material: Carbon steel
U-bolt and four finished
hex nuts

Finish: Black or galvanized

Service: Recommended for
support or guide of heavy
loads. Often employed in
power, process plant and
marine service.

Approvals: Complies with
Federal Specification
A-A1192A (Type 24),
WW-H-171-E (Type 24),
ANSI/MSS SP-69 and 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_n = actual applied load

P_{na} = allowable normal load
for the U-bolt

P_s = actual applied side load

P_{sa} = 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)		650° F Max side load (lbs)	Weight (lbs)	B	C	D	E	F
		650° F	750° F							
1/2"	1/4"	580	454	145	0.11	15/16"	13/16"	23/4"	21/8"	25/16"
3/4"	1/4"	580	454	145	0.12	11/8"	13/8"	23/4"	21/8"	27/32"
1"	1/4"	580	454	145	0.12	13/8"	15/8"	23/4"	21/8"	23/32"
1 1/4"	3/8"	1,460	1,144	365	0.28	1 11/16"	21/16"	27/8"	21/8"	21/32"
1 1/2"	3/8"	1,460	1,144	365	0.30	2"	23/8"	3"	2 1/2"	21/16"
2"	3/8"	1,460	1,144	365	0.33	2 7/16"	2 13/16"	3 1/4"	2 1/2"	25/16"
2 1/2"	1/2"	2,700	2,114	675	0.73	2 15/16"	3 7/16"	3 3/4"	3"	2 1/4"
3"	1/2"	2,700	2,114	675	0.78	3 9/16"	4 1/16"	4"	3"	2 1/4"
3 1/2"	1/2"	2,700	2,114	675	0.84	4 1/16"	4 9/16"	4 1/4"	3"	2 1/4"
4"	1/2"	2,700	2,114	675	0.90	4 9/16"	5 1/16"	4 1/2"	3"	2 1/4"
5"	1/2"	2,700	2,114	675	1.0	5 5/8"	6 1/8"	5"	3"	2 7/32"
6"	5/8"	4,320	3,382	1,080	2.0	6 3/4"	7 3/8"	6 1/8"	3 3/4"	2 13/16"
8"	5/8"	4,320	3,382	1,080	2.3	8 3/4"	9 3/8"	7 1/8"	3 3/4"	2 13/16"
10"	3/4"	6,460	5,060	1,615	4.9	10 7/8"	11 5/8"	8 3/8"	4"	3"
12"	7/8"	8,960	7,016	2,490	7.7	12 7/8"	13 3/4"	9 5/8"	4"	3 1/4"
14"	7/8"	8,960	7,016	2,490	8.3	14 1/8"	15"	10 1/4"	4 1/4"	3 1/4"
16"	7/8"	8,960	7,016	2,490	9.2	16 1/8"	17"	11 1/4"	4 1/4"	3 1/4"
18"	1"	11,800	9,240		13.5	18 1/8"	19 1/8"	12 5/8"	4 3/4"	3 5/8"
20"	1"	11,800	9,240		14.6	20 1/8"	21 1/8"	13 5/8"	4 3/4"	3 5/8"
24"	1"	11,800	9,240		16.9	24 1/8"	25 1/8"	15 5/8"	4 3/4"	3 5/8"
30"	1"	11,800	9,240		19.1	30 1/8"	31 1/8"	18 5/8"	4 3/4"	3 5/8"
36"	1"	11,800	9,240		23.2	36 1/8"	37 1/8"	21 5/8"	4 3/4"	3 5/8"