

ARC STUD LOAD STRENGTHS

STUD MATERIAL	SIZE	MAXIMUM FASTENING TORQUE (INCH-LBS)	ULTIMATE TENSILE LOAD (LBS)	MAXIMUM SHEAR LOAD (LBS)
Low Carbon Steel	1/4-20	65	2300	1720
	5/16-18	129	3740	2800
	3/8-16	212	5550	4160
	7/16-14	338	7630	5710
	1/2-13	465	10200	7650
	5/8-11	1,000	16,300	12,200
	3/4-10	1,259	24,000	18,000
	7/8-9	1,919	33,300	24,900
	1-8	2,832	43,600	32,700
Stainless Steel	1/4-20	75.2	2,880	2,160
	5/16-18	132	4,680	3,500
	3/8-16	236	6,920	5,190
	7/16-14	376	9,600	7,200
	1/2-13	517	12,800	9,600
	5/8-11	1,110	20,200	15,150
	3/4-10	1,530	30,000	22,500
	7/8-9	2,328	41,600	31,200
	1-8	3,440	54,500	40,900
Aluminum 5000	1/4-20	40	1,360	850
	5/16-18	70	2,300	1,400
	3/8-16	81	3,250	2,100
	7/16-14	140	4,400	2,400
	1/2-13	-	5,950	3,000

* This information should be used only as a guide.