

STUD WELDING PRODUCTS, INC

Your Number One Stud

ARC LOAD STRENGTHS

STUD MATERIAL	STUD SIZE	ULTIMATE TORQUE AT 61,000 PSI (FT-LBS)	ULTIMATE TENSILE LOAD AT 61,000 PSI	SHEAR STRENGTH (75% OF TENSIL STRENGTH)
LOW CARBON STEEL	1/4-20	8.1	1,934	1,450
	5/16-18	16.6	3,184	2,388
	3/8-16	29.5	4,715	3,536
	7/16-14	47.1	6,466	4,850
	1/2-13	72.0	8,638	6,478
	5/8-11	162.3	13,762	10,321
	3/4-10	254.7	20,374	15,281
	7/8-9	410.3	28,133	21,100
1-8"	615.2	36,911	27,683	
STUD MATERIAL	STUD SIZE	ULTIMATE TORQUE AT 70,000 PSI (FT-LBS)	ULTIMATE TENSILE LOAD AT 70,000 PSI	SHEAR STRENGTH (75% OF TENSIL STRENGTH)
STAINLESS STEEL	1/4-20	9.2	2,219	1,664
	5/16-18	19.0	3,654	2,741
	3/8-16	33.8	5,411	4,058
	7/16-14	54.1	7,420	5,565
	1/2-13	82.6	9,912	7,434
	5/8-11	164.5	15,792	11,844
	3/4-10	292.3	23,380	17,535
	7/8-9	470.8	32,284	24,213
1-8"	706.0	42,357	31,768	

Low Carbon Steel

Mechanical Properties

- Tensile Strength: 61,000 PSI Min
- Yield Strength: 49,000 PSI Min
- Elongation in 2": 20% min

Stainless Steel Type 302/304/305/316

Mechanical Properties

- Tensile Strength: 70,000 PSI Min
- Yield Strength: 35,000 PSI Min
- Elongation in 2": 45% min

800-252-1919 | www.StudWeldProd.com | Info@StudWeldProd.com

Downey, CA

9459 Washburn Rd
Downey CA 90242
Ph: 800-252-1919
Fax: 562-862-3022

Hayward, CA

2391 American Ave
Hayward, CA 94545
Ph: 510-782-7883
Fax: 510-782-7918

Kent, WA

7820 S 210th St.#C103
Kent, WA 98032
Ph: 425-656-9787
Fax: 425-656-9786

Phoenix, AZ

3535 E Wier Ave #4
Phoenix, AZ 85040
Ph: 602-305-9350
Fax: 602-305-4890