

# STUD WELDING PRODUCTS, INC

Your Number One Stud



## ARC LOAD STRENGTHS

STUD MATERIAL	STUD SIZE	SUGGESTED 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	1000	16300	12200
	3/4-10	1259	24000	18000
	7/8-9	1919	33300	24900
1-8"	2832	43600	32700	
STAINLESS STEEL	1/4-20	75.2	2880	2160
	5/16-18	132	4680	3500
	3/8-16	236	6920	5190
	7/16-14	376	9600	7200
	1/2-13	517	12800	9600
	5/8-11	1110	20200	15150
	3/4-10	1530	30000	22500
	7/8-9	2328	41600	31200
1-8"	3440	54500	40900	

### 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

Visit our website at [www.StudWeldProd.com](http://www.StudWeldProd.com) or email [Info@StudWeldProd.com](mailto:Info@StudWeldProd.com)

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