

FERROUS METALS							W. D. STEEL NUMBER	USE
SPEC. NUMBER	CLASSIFICATION	CONDITION OF STOCK AS PURCHASED	T.S. LBS./ $\sigma$ FERROUS	YIELD STRENGTH LBS./ $\sigma$	ELONG % IN 2"	W. D. STEEL NUMBER	USE	
AN-WW-T-846	Seamless Carbon-Steel (1025)	Cold Drawn Annealed	55,000	36,000	22	1025	General use, any where tubing is not subjected to high stresses.	
AN-WW-T-855	18 Cr.-8 Ni. Seamless	Cond. A-Ann. B-1/4 Hd. C-1/2 Hd. D-3/4 Hd. E-Hard	75,000 120,000 150,000 175,000 185,000	30,000 75,000 110,000 135,000 140,000	35 15 7 3 2		For aircraft structural parts where corrosion resistant steel is required, where high temperatures are not involved. Condition "A" is non-magnetic.	
AN-WW-T-858	18 Cr.-8 Ni. Welded	Annealed Pickled and Passivated	100,000		35		For exhaust stacks, manifolds, ring collectors or where weldable corrosion heat resisting steel is required.	
AN-WW-T-861	18 Cr.-8 Ni. Welded	Annealed Pickled and Passivated					For fabrication of exhaust stacks manifold & collector rings.	
48-5-681	Soft Iron & Steel Bare & Coated	Unannealed	55,000 75,000	25,000	15	1005,10 1005,20 1112X	Wrapping wire, No. 1010 is suitable for cold heading operations, such as rivets, screws, etc.	
48-7	Spring Steel	Annealed		30,000	24	1095 6150	Springs to be heat treated after forming. Alighting gear springs, engine valve springs etc.	
48-25	Cold Drawn Wire	Cold Drawn	100,000 140,000	40,000	24	1045	For cold swaging, tie rods, spokes, hooks, etc.	
48-26	Carbon-Steel (Music Wire)	Heat-treated	225,000 350,000	40,000 53,000	17 22		All common helical tension, Compression and torsion springs. For detail information and notes required on drawings of springs, see D.R.M. page X-3 and X-3a.	
57-174	Nick.-Chrome Iron -Alloy	Class A-Spr. Class B-Ann.	175,000 100,000	24,000 33,000 50,000	22 18		Use where a weldable, corrosion and heat resisting steel is required. Springs subjected to the corrosive action of salt water.	
AN-QQ-W-423	Corr. Resist. Concrete	Cond. A-Ann. Cond. B-Spring Tempered	85,000 120,000 180,000 255,000	40,000 40,000 50,000 50,000			Corrosion resisting. Not where welding and high temperatures are involved. Springs Cowl pins, etc.	
AN-QQ-W-429	High Str. Coated St. Wire Zinc Steel	Heat-Treated Pinned-Type I & Z	209,000 308,000				Aircraft structures. Parachute pack frames. Use where a stiff strong wire is needed.	
AN-QQ-W-435	Soft Zinc Coated Steel	Annealed	45,000 75,000				Locking wire for standard nuts, turnbuckles, etc.	

NOTE:-For further information and notes on the use of wire, see D.R.M. VIII-4c and X-3.

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