

300 Series, 400 Series and Precipitation Hardened Stainless Steel Heat Treat Properties

Alloy	Annealed				Heat Treated			
	Tensile Strength(ksi)	Yield Strength(ksi)	Elongation	Hardness	Tensile Strength(ksi)	Yield Strength(ksi)	Elongation	Hardness
302 CF-20 (J92501)	65,000	30,000	35	HRB 80				
303 CF-16F (J92511)	65,000	30,000	35	HRB 80				
304 CF-8 (J92600)	65,000	30,000	35	HRB 80				
304L CF-3 (J92700)	63,000	30,000	35	HRB 80				
301 CK-20 (531000)	60,000	30,000	35	HRB 80				
316 CF-8 M (J92900)	65,000	30,000	35	HRB 80				
347 CF-8C (J92710)	70,000	32,000	30	HRB 80				
CN-7M (J91150)	65,000	25,000	35	HRB 80				
410 CA-15 (J91150)	70,000	45,000	20	HRB 95	180,000	140,000	8	HRC 44
416 (S41600)	70,000	40,000	15	HRB 95 max	160,000	130,000	5	HRC 30
420 CA-40 (J91153)	90,000	60,000	12	HRC 30	180,000	150,000	3	HRC 40/44
431 CB-30 (J91631)	130,000	80,000	15	HRC 17/25	208,000	165,000	13	HRC 40/45
436 Greek Ascology (J91631)	128,000	80,000	13	HRC 20/30	209,000	152,000	11	HRC 45/53
440A (544002)	100,000	60,000	10	HRC 28	260,000	240,000	2	HRC 50/58
440C (544004)	90,000	60,000	8	HRC30	270,000	280,000	2	HRC 58/62
Precipitation Hardened Steels								
15-5 PH (J921100)	160,000	130,000	8	HRC 36 max	200,000	185,000	14	HRC 40/45
17-4 PH (J92180)	180,000	160,000	6	HRC 36 max	200,000	185,000	12	HRC 40/45
25-5 PH (J933370)	100,000	70,000	12	HRC 30				