Alloy Selector Guide
Stainless Steels and Nickel Alloys

Cronatron

Stick Electrodes

A3	329	(95,000 PSI)	Low Carbon
B	333*	(125,000 PSI)	
B	3330*	(125,000 PSI)	
B	3333*	(125,000 PSI)	Excellent at Vertical or Overhead
E	340	(140,000 PSI)	
A4	377	(95,000 PSI)	
A2	382	(80,000 PSI)	
A1	383	(80,000 PSI)	
C	3000	(100,000 PSI)	
C	3010	(110,000 PSI)	
A2	3880	(85,000 PSI)	
A2	3881	(84,000 PSI)	Excellent at Vertical or Overhead, Low Carbon
A5	3990	(84,000 PSI)	

MIG Wires

A3	329M	(95,000 PSI)	Low Carbon
A3	329M-FC	(95,000 PSI)	Low Carbon
B	333M*	(125,000 PSI)	
E	340M	(140,000 PSI)	
C	3000M	(100,000 PSI)	
A2	3880M	(85,000 PSI)	Low Carbon
A2	3880M-FC	(90,000 PSI)	Low Carbon
A1	383M	(80,000 PSI)	Low Carbon

TIG Wires

B	333T*	(125,000 PSI)	
E	340T	(140,000 PSI)	
A1	383T	(80,000 PSI)	
C	3000T	(100,000 PSI)	
C	3010T	(110,000 PSI)	
D	3220T	(109,000 PSI)	
A2	3880T	(90,000 PSI)	Low Carbon
A2	3880T-C	(90,000 PSI)	Low Carbon
A5	3990T	(84,000 PSI)	

**See Dissimilar Steels Welding Alloys Section (All Weldable Steels)*

Certanium®

Stick Electrodes

A3	706	(95,000 PSI)	
B	707*	(120,000 PSI)	
A6	710	(89,000 PSI)	
A2	777	(80,000 PSI)	Excellent at Vertical or Overhead, Low Carbon
A1	787	(90,000 PSI)	Low Carbon
A2	788SL	(83,000 PSI)	Low Carbon

MIG Wires

A3	706-FC	(95,000 PSI)	
B	707M*	(120,000 PSI)	
A1	787M	(85,000 PSI)	Low Carbon

TIG Wires

B	707T*	(120,000 PSI)	
A1	787T	(85,000 PSI)	Low Carbon
A2	788T	(83,000 PSI)	Low Carbon

**See Dissimilar Steels Welding Alloys Section (All Weldable Steels)*

T = TIG
M = MIG
FC = Flux Core

Group	Description	Common Metal Grades
A1	200 and 300 Series – "Austenitic"	201, 202, 205, 301, 302, 304, 305, 308, 347, 348
A2	200 and 300 Series – "Austenitic"	201, 202, 205, 301, 302, 304, 305, 308, 316, 347, 348
A3	200 and 300 Series – "Austenitic"	309, 384
A4	200 and 300 Series – "Austenitic"	310
A5	200 and 300 Series – "Austenitic"	Carpenter 20, 320, 321, 329
A6	200 and 300 Series – "Austenitic"	317
B	Dissimilar	Stainless Steels, Tool Steels, HSLA, Carbon Steels, Cast Steels, Unknown Steel
C	Nickel Alloys	Monel®, Inconel, Hastelloy
D	Duplex Stainless	329, 2205, Ferralium 255
E	Most 400 Series "Martensitic"	403, 410, 414, 420, 431
!!!	**CAUTION:** Call Cronatron Technical when asked to weld these grades.	**303, 416, 440s**