Alloy Selector Guide

Silver Brazing Alloys for all Steels and Critical Applications

Cronatron

Premium

41F	(80,000 PSI)	1,135°F	Multi-purpose
42	(88,000 PSI)	1,120°F	High-strength
43F	(88,000 PSI)	1,100°F	High-strength and low melt
45	–	1,220°F	Copper applications
46SP	–	1,190°F	Copper
47SP	–	1,300°F	Copper and brass

Environmentally and Chemistry Sensitive

40B/40F	(85,000 PSI)	1,140°F	Cadmium-free

Certanium®

Environmentally and Chemistry Sensitive

51F	(73,000 PSI)	1,300°F	Cadmium-free
52/52F	(70,000 PSI)	1,330°F	Cadmium-free – Good conductivity
54/54F	(60,000 PSI)	1,170°F	Cadmium-free – General purpose
57F-CF	(70,000 PSI)	1,170°F	Cadmium-free – General purpose
59	(60,000 PSI)	1,350°F	Cadmium-free – Ribbon form

Cast Iron Brazing Alloys

Cronatron

Premium

22	(53,000 PSI)	1,800°F – 2,300°F	True match
23F	(68,000 PSI)	1,400°F – 1,600°F	Multipurpose flux-coated (same as 2 but with flux)
30F	(100,000 PSI)	1,300°F – 1,600°F	Multipurpose with extra-high tensile

Certanium®

Premium

83F	(65,000 PSI)	1,500°F – 1,600°F	Versatile

Aluminum Brazing Alloys

Cronatron

Aluminum

52	(40,000 PSI)	720°F	Low melt, self-fluxing
54C	(34,500 PSI)	1,100°F	Internal flux
556T	(45,000 PSI)	1,200°F	Good capillary action (Use F56 flux)
510T	(35,000 PSI)	1,200°F	Low melt (Use F56 flux)

Copper and Brass Brazing Alloys

Cronatron

Premium

44	(42,000 PSI)	1,190°F – 1,300°F	Excellent conductivity
45	(92,000 PSI)	1,190°F – 1,260°F	Copper and copper alloys

Certanium®

Premium

83F	(65,000 PSI)	1,500°F – 1,600°F