Low Silver Brazing Alloys

These "sil-phos" alloys provide cost-effective solutions to joining copper and brass alloys.

Superior Advantages

- Thin flow provides excellent capillary action
- No flux required for copper-to-copper applications
- Fills gaps on poor fit-up joints

Applications

- Electrical components
- Plumbing and HVAC
- Copper coils and tubing
- Rotors and armatures

Cronatron Alloys

45 Brazing Alloy

Resists vibration, shock, impact

Brazing Range: 1,300°F to 1,450°F (704°C to 788°C)

Recommended Flux: F40 (for dissimilar)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/16 x .050 x 18	**CW1858**	1
1/8 x .050 x 18	**CW1013**	1

46SP Brazing Alloy

Fill gaps without affecting joint strength

Brazing Range: 1,325°F to 1,500°F (718°C to 815°C)

Recommended Flux: F40 (for dissimilar)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/16 x .050 x 20	**CW5763**	1
1/8 x .050 x 20	**CW5764**	1

47SP Brazing Alloy

Excellent ductility and conductivity

Brazing Range: 1,300°F to 1,500°F (704°C to 815°C)

Recommended Flux: F40 (for dissimilar)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Lbs.)
1/16 x .050 x 20	**CW5765**	1
1/8 x .050 x 20	**CW5766**	1

Medium Silver Brazing Alloys

With lower melting temperatures and better capillary action than low silver products, medium silver brazing alloys are excellent for joining copper, stainless steel, bronze alloys and nickel alloys.

Superior Advantages

- Thin-flowing for tight joints, yet fills and bridges gaps
- Strong and ductile
- Very good electrical conductivity

Applications

- Electrical rotors, contacts and lugs
- Instrumentation and controls
- Plumbing
- Arts and crafts
- Stainless steel

Certanium® Alloys

52 Brazing Alloy

Cadmium-free

Tensile Strength: 70,000 PSI

Melting Temperature: 1,250°F to 1,410°F (677°C to 766°C)

Recommended Flux: 950

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**P14035**	15

52F Brazing Alloy

Cadmium-free, flux-coated

Flux Coating Color: Red

Tensile Strength: 70,000 PSI

Melting Temperature: 1,250°F to 1,410°F (677°C to 766°C)

Recommended Flux: 950 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**P14070**	15

Cronatron Alloys

41F Brazing Alloy

Low-temperature application

Flux Coating Color: Red

Tensile Strength: 80,000 PSI

Brazing Range: 1,120°F to 1,150°F (604°C to 621°C)

Recommended Flux: F40 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**CW1825**	6
3/32 x 18	**CW1824**	6

High Silver Brazing Alloys

Providing maximum capillary action and the lowest melting temperatures, these high silver products waste less brazing alloy. They have the ability to join many different metals – tool steel, stainless steel, alloy steel, copper and brass alloys and many others.

Superior Advantages

- Thin flow provides excellent capillary action
- Excellent electrical conductivity
- Low melt temperatures

Applications

- Electrical components
- Carbide tipping
- Copper coils and tubing
- Food, beverage and kitchen equipment (cadmium-free products)

Certanium® Alloys

51F Brazing Alloy

High-strength, cadmium-free

Flux Coating Color: White

Tensile Strength: Up to 73,000 PSI

Elongation: Up to 24%

Melting Temperature: 1,225°F to 1,370°F (663°C to 743°C)

Recommended Flux: 950 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**P14075**	15

54 Brazing Alloy

Cadmium-free

Tensile Strength: Up to 60,000 PSI

Bonding Temperature: 1,150°F to 1,200°F (621°C to 649°C)

Recommended Flux: 950

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**P14155**	15
3/32 x 18	**P14165**	15

54F Brazing Alloy

Cadmium-free, flux-coated

Flux Coating Color: Orange

Tensile Strength: Up to 60,000 PSI

Bonding Temperature: 1,150°F to 1,200°F (621°C to 649°C)

Recommended Flux: 950 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**P14445**	15

57F-CF Brazing Alloy

Cadmium-free, flux-coated

Flux Coating Color: Pink

Tensile Strength: 71,000 PSI

Bonding Temperature: 1,140°F to 1,200°F (616°C to 649°C)

Recommended Flux: 950 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
3/64 x 18	**P14446**	15
1/16 x 18	**P14447**	15

59 Ribbon Brazing Alloy

For carbide tipping, cadmium-free

Tensile Strength: Up to 60,000 PSI

Melting Temperature: 1,250°F to 1,425°F (677°C to 774°C)

Recommended Flux: 950

Size (Inches)	Part No.	Pkg. Qty. (Ft.)
.005 x 1	**P14075**	15

Cronatron Alloys

42 Brazing Alloy

Bare HI-Silver with low temperature feature

Tensile Strength: Up to 88,000 PSI

Melting Temperature: 1,100°F to 1,135°F (593°C to 613°C)

Recommended Flux: F40

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
3/64 x 18	**CW1823**	6
1/16 x 18	**CW1822**	6
3/32 x 18	**CW1821**	6

42 Ribbon Brazing Alloy

Bare HI-Silver with low temperature feature

Tensile Strength: Up to 88,000 PSI

Melting Temperature: 1,100°F to 1,135°F (593°C to 613°C)

Recommended Flux: F40

Size (Inches)	Part No.	Pkg. Qty. (Ft.)
.005 x 1 x 36	**CW3528**	3

43F Brazing Alloy

General purpose for industrial applications

Flux Coating Color: Blue

Tensile Strength: 88,000 PSI

Bonding Temperature: 1,100°F (593°C)

Recommended Flux: F40 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**CW1024**	6

Cadmium-free, use for food, beverage and kitchen equipment

40B Brazing Alloy

Tensile Strength: 85,000 PSI

Melting Temperature: 1,140°F (616°C)

Recommended Flux: F40

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**CW1925**	6
3/32 x 18	**CW1926**	6

40B Ribbon Brazing Alloy

Tensile Strength: 85,000 PSI

Melting Temperature: 1,140°F (616°C)

Recommended Flux: F40

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
.005 x 36	**CW3526**	3

40F Brazing Alloy

Flux Coating Color: Orange

Tensile Strength: 85,000 PSI

Melting Temperature: 1,140°F (616°C)

Recommended Flux: F40 (if needed)

Dia. x Length (Inches)	Part No.	Pkg. Qty. (Ft.)
1/16 x 18	**CW1025**	6