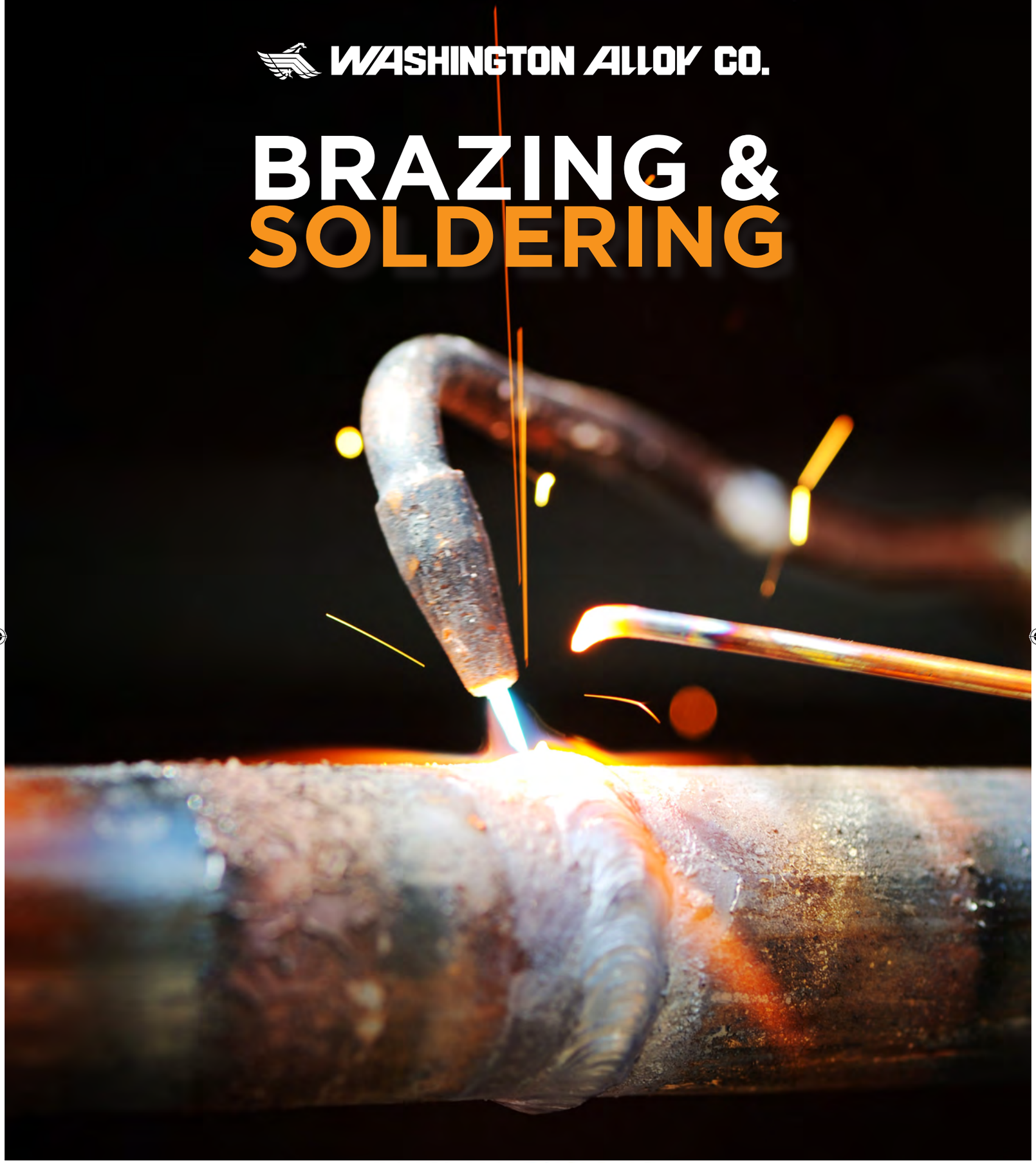
WASHINGTON ALLOY CO.

BRAZING & SOLDERING



American Welding Society
Supporting Company Member

GAWDA

CALIFORNIA MASSACHUSETTS NORTH CAROLINA TEXAS WASHINGTON

888-522-8296 WWW.WASHINGTONALLOY.COM SALES@WASHINGTONALLOY.COM

SUPERFLOW
PHOS COPPER BRAZING ALLOYS

SUPERFLOW Phos Copper Brazing Alloys (AWS A5.8 BCuP) are used for brazing copper-phosphorus applications in various industries, such as HVAC plumbing, automotive, electronics and more. SUPEFLOW Phos Copper Brazing Alloys are excellent for joining components, such as heat exchangers, refrigeration tubing, electrical connectors, fittings and other assemblies where strong and reliable joints are required.

To learn more about SUPERFLOW Brazing and Soldering products contact our sales department at sales@washingtonalloy.com or call us toll free at (800) 830-9033

SUPERFLOW 15 BRAZING ALLOY

15% PHOS COPPER (BCuP-5)
AWS A5.8/A5.8M BCuP-5 | ASME SFA 5.8 BCuP5

SUPERFLOW 15 is a Phos-copper-silver brazing alloy formulated to join copper, brass and bronze. This alloy is the standard of the industry for many air conditioning and refrigeration applications as well as electrical.

SUPERFLOW 15 is commonly used in service applications where poor fit-ups or vibration or expansion issues exist. Phos-copper-silver alloys are self-fluxing on copper but should not be used on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres. Superflow white or black brazing flux is needed when working on brazeable grades brass or bronze.

Physical Data	
Solidus	1190°F (643°C)
Liquidus	1475°F (802°C)
Brazing Range	1300-1500°F (704°C-816°C)
Color	Bright Silver Copper
Specifc Gravity	8.44
Density (lb/cu in.)	0.301
Electrical Conductivity (% of IACS)	9.91
Electrical Resistivity (Microhm-cm)	17.38

Chemical Composition	
Silver	14.5-15.5
Copper	Balance
Phosphorus	4.8-5.2
Total other elements	0.15

Available sizes:

TAG 15 04/2	BCuP-5 1/16 x 20″
TAG 15 05	BCuP-5 3/32 x 36″
TAG 15 06	BCuP-5 1/8 x 36″
TAG 15 06FM	BCuP-5 1/8 x 0.50 x 20″
TAG 15 06F	BCuP-5 1/8 x .050 x 20″ (1 lbs)
TAG 15 06B	BCuP-5 1/8 x .050 x 20″ (25 lbs bulk)

Other sizes available – please inquire

SUPERFLOW 5 BRAZING ALLOY

5% PHOS COPPER (BCuP-3)
AWS A5.8/A5.8M BCuP-3 | ASME SFA 5.8 BCuP3

SUPERFLOW 5 is a Phos-copper-silver brazing alloy formulated to join copper, brass and bronze. This alloy may be used where joint clearance are wider than desired and will fill moderate size gaps. Superflow white or black brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self-fluxing on copper but should not be used on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres.

Physical Data	
Solidus	1190°F (643°C)
Liquidus	1495°F (813°C)
Brazing Range	1325-1500°F (718°C-816°C)
Color	Bright Light Copper
Specifc Gravity	8.13
Density (lb/cu in.)	0.293
Electrical Conductivity (% of IACS)	9.6
Electrical Resistivity (Microhm-cm)	18.11

Chemical Composition	
Silver	4.8-5.2
Copper	Balance
Phosphorus	5.8-6.2
Total other elements	0.15

Available sizes:

TAG 5 04/2	BCuP-3 1/16 x 20"
TAG 5 05	BCuP-3 3/32 x 36"
TAG 5 06C	BCUP-3 1/8 x 36"
TAG 5 06FM	BCuP-3 1/8 x 0.50 x 20" (7 cnt)
TAG 5 06F	BCuP-3 1/8 x .050 x 20" (1 lbs)
TAG 5 06B	BCuP-3 1/8 x .050 x 20" (25 lbs bulk)
TAG 5 06SQ	BCUP 3 1/8 x 36"

Other sizes available - please inquire

SUPERFLOW 2 BRAZING ALLOY

2% PHOS COPPER (BCuP-6)
AWS A5.8/A5.8M BCuP-6 | ASME SFA 5.8 BCuP6

SUPERFLOW 2 is a Phos-copper-silver brazing alloy formulated to join copper, brass and bronze. This alloy is commonly used where cost may be a factor without sacrificing good flowing and leak free characteristics. Superflow brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self- fluxing on copper but should not be used on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres.

Physical Data	
Solidus	1190°F (643°C)
Liquidus	1450°F (788°C)
Brazing Range	1350-1500°F (732°C-816°C)
Color	Bright Light Copper
Specifc Gravity	8.03
Density (lb/cu in.)	0.290
Electrical Conductivity (% of IACS)	5.5
Electrical Resistivity (Microhm-cm)	31.5

Chemical Composition	
Silver	1.8-2.2
Copper	Balance
Phosphorus	6.8-7.2
Total other elements	0.15

Available sizes:

TAG 2 04	BCuP-6 1/16 x 36"
TAG 2 05	BCuP-6 3/32 x 36"
TAG 2 05/2	BCuP-6 3/32 x 20"
TAG 2 06	BCuP 6 1/8 x 36"
TAG 2 06/2	BCuP 6 1/8 x 20"
TAG 2 06F	BCuP-6 1/8 x 0.50 x 20" (1 lbs)
TAG 2 06B	BCuP-6 1/8 x .050 x 20" (25 lbs bulk)
TAG 2 06F36C	BCuP 6 1/8 x .050 x 36"

Other sizes available - please inquire

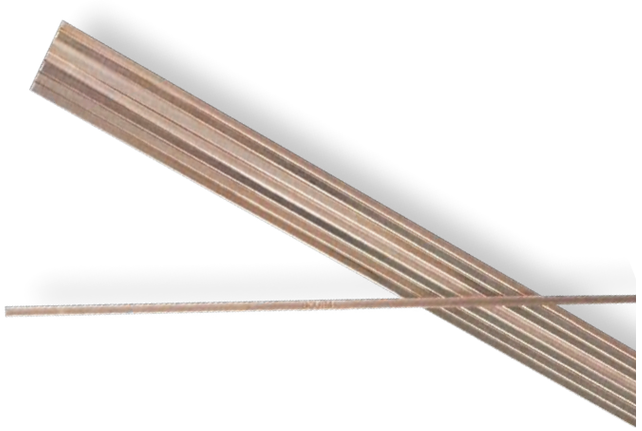
SUPERFLOW 6 (6HP) BRAZING ALLOY

6% PHOS COPPER (BCuP-4)
AWS A5.8/A5.8M BCuP-4 | ASME SFA 5.8 BCuP-4

SUPERFLOW 6 (6HP) is a Phos-copper-silver brazing alloy formulated to join copper, brass and bronze. This alloy has higher phosphorus than most phos–copper alloy giving it a "quick flow" useful in production setting as well as automated applications. Superflow white or black brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self-fluxing on copper but should not be used on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres.

Physical Data	
Solidus	1190°F (643°C)
Liquidus	1325°F (718°C)
Brazing Range	1275-1450°F (691°C-788°C)
Color	Bright Light Copper
Specifc Gravity	9.03
Density (lb/cu in.)	0.292
Electrical Conductivity (% of IACS)	15.1
Electrical Resistivity (Microhm-cm)	11.38

Chemical Composition	
Silver	5.8-6.2
Copper	Balance
Phosphorus	7.0-7.5
Total other elements	0.15



Available sizes:

TAG 6 04/2	BCuP-4 1/16 x 20"
TAG 6 05/2C	BCuP-4 3/32 x 20"
TAG 6 06B	BCuP-4 1/8 x 0.50 x 20" (25 lb bulk)
TAG 6 06C	BCuP-4 1/8 x 36"
TAG 6 06F	BCuP-4 1/8 x .050 x 20" (1 lbs)
TAG 6 08C	BCuP-4 3/16 x 36"

Other sizes available – please inquire

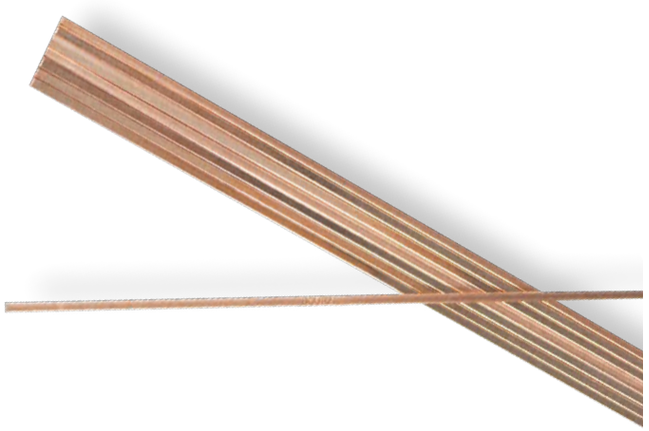
SUPERFLOW 0 BRAZING ALLOY

0% PHOS COPPER (BCuP-2)
AWS A5.8/A5.8M BCuP-2 | ASME SFA 5.8 BCuP-2

SUPERFLOW 0 is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy is commonly used where there is a close or controlled fit up . Superflow white or black brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self- fluxing on copper but should not be used on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres.

Physical Data	
Solidus	1310°F (710°C)
Liquidus	1460°F (793°C)
Brazing Range	1310-1550°F (732°C-816°C)
Color	Bright Copper
Specifc Gravity	8.13
Density (lb/cu in.)	0.287
Electrical Conductivity (% of IACS)	8.5
Electrical Resistivity (Microhm-cm)	21.5

Chemical Composition	
Phosphorus	7.0-7.5
Copper	Balance
Total other elements	0.15



Available sizes:

TAG 0 04/2	BCuP-2 1/16 x 20"
TAG 0 05/2	BCuP-2 3/32 x 20"
TAG 0 05/SQ	BCup-2 3/32 x 36" square
TAG 0 06F	BCuP-2 1/8 x 0.50 x 20" (1 lbs)
TAG 0 06B	BCuP-2 1/8 x .050 x 20" (25 lbs bulk)
TAG 0 06	BCuP-2 1/8 x 36"
TAG 0 09	BCup-2 1/4 x 36"

Other sizes available – please inquire

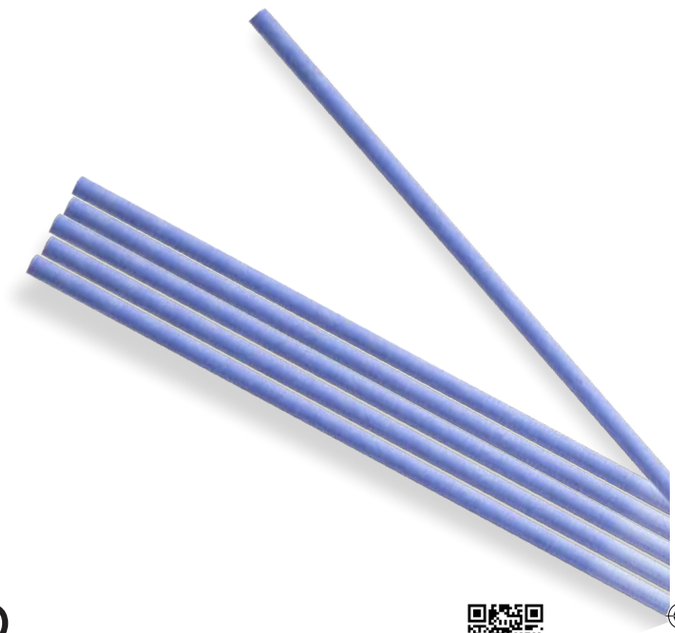
SUPERFLOW 45CF BRAZING ROD

45CF (BAg-5)
AWS A5.8/A5.8M BAg-5 | ASME SFA5.8 BAg-5

SUPERFLOW 45CF is a general purpose silver brazing alloy with a wide melting range and widely used in many brazing operations. SUPERFLOW 45CF is commonly used to join any combinations of copper, brass, steel and bronze.

Physical Data	
Solidus	1125°F (663°C)
Liquidus	1370°F (743°C)
Brazing Range	1370-1550°F (743°C-843°C)
Color	Yellow white to light gold
Specifc Gravity	9.11
Density (lb/cu in.)	4.8
Electrical Conductivity (% of IACS)	19.0
Electrical Resistivity (Microhm-cm)	9.0

Chemical Composition	
Silver	44.0-46.0
Copper	29.0-31.0
Zinc	23.0-27.0
Total other elements	0.15



Available sizes:

TAG 45CF 03	BAG-5 CAD-FREE 3/64 X 36"
TAG 45CF 04	BAG-5 CAD-FREE 1/16 X 36"
TAG 45CF 04/2	BAG-5 CAD-FREE 1/16 X 20"
TAG 45CF 05	BAG-5 CAD-FREE 3/32 X 36"
TAG 45CF 06	BAG-5 CAD-FREE 1/8 X 36"

Other sizes available - please inquire

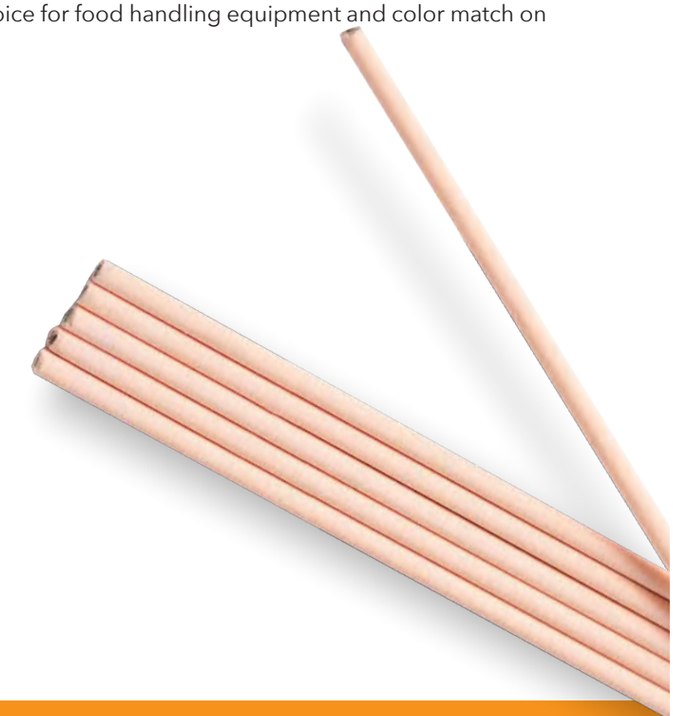
SUPERFLOW 56CF BRAZING ROD

56CF (BAg-7)
AWS A5.8/A5.8M BAg-7 | ASME SFA 5.8 BAg-7

SUPERFLOW 56CF is a cadmium free silver brazing alloy with a narrow melting range and the lowest working temperature in the cad-free family yielding premium flow, wetting, ductility, penetration . SUPERFLOW 56CF is commonly used to join any combinations of copper, brass, steel , bronze and stainless steel. This alloy is a great choice for food handling equipment and color match on stainless and nickel alloys while minimizing stress corrosion cracking .

Physical Data	
Solidus	1145°F (618°C)
Liquidus	1205°F (652°C)
Brazing Range	1205-1400°F (652°C-760°C)
Color	White to light gold
Specifc Gravity	9.47
Density (troy oz./cu in.)	5.0
Electrical Conductivity (% of IACS)	20.5
Electrical Resistivity (Microhm-cm)	9.58

Chemical Composition	
Silver	55.0-57.0
Copper	21.0-23.0
Zinc	15.0-19.0
Tin	4.5-5.5
Total other elements	0.15



Available sizes:

TAG 56CF 04	BAG-7 1/16 X 36"
TAG 56CF 05	BAG-7 3/32 X 36"
TAG 56CF 06	BAG-7 1/8 X 36"

Other sizes available - please inquire

LOW FUMING BRONZE - BARE

AWS A5.8/A5.8M RBCuZn-C | ASME SFA 5.8 RBCuZn-C

Washington Alloy Low Fuming Bronze is a general-purpose oxyacetylene brazing rod used for steel, copper alloys, cast iron, nickel alloys and stainless steel. A balanced chemical analysis of copper and zinc as well as alloying elements of tin, iron, manganese and silicon produce weld deposits that are easily attained simply by applying a neutral or slightly oxidizing flame. The high silicon content of Washington Alloy Low Fuming Bronze keeps fumes to a minimum. Preheating is required for some applications and bronze brazing flux is required for the bare rods.

Physical Data	
Solidus	1590°F (866°C)
Liquidus	1630°F (888°C)
Brazing Range	1330-1550°F (721°C-843°C)
Color	Yellow Brass
Hardness as welded	80-100 Brinell
Tensile Strength	60-68,000

Chemical Composition	
Copper	56.0-60.0
Zinc	Balance
Tin	0.80-1.10
Iron	0.25-1.20
Manganese	0.01-0.50
Silicon	0.04-0.15
Total other elements	0.50 max including Pb of 0.05 and Al of 0.01

Available sizes:

TCU LFB / 04	1/16 x 36"
TCU LFB / 05	3/32 x 36"
TCU LFB / 051	3/32 x 18"
TCU LFB / 06	1/8 x 36"
TCU LFB / 068	1/8 x 18"
TCU LFB / 07	5/32 x 36"
TCU LFB / 08	3/16 x 36"
TCU LFB / 09	1/4 x 36"
TCU LFB / 10	5/16 x 36"
TCU LFB / 11	3/8 x 36"

Other sizes available – please inquire

FLUX COATED LOW FUMING BRONZE

AWS A5.8 RBCuZn-C | ASME SFA 5.8 RBCuZn-C

Washington Alloy Low Fuming Bronze is a general-purpose oxyacetylene brazing rod used for steel, copper alloys, cast iron, nickel alloys and stainless steel. A balanced chemical analysis of copper and zinc as well as alloying elements of tin, iron, manganese and silicon produce weld deposits that are easily attained simply by applying a neutral or slightly oxidizing flame. The high silicon content of Washington Alloy Low Fuming Bronze keeps fumes to a minimum. Preheating is required for some applications and bronze brazing flux is required for the bare rods.

Physical Data	
Solidus	1590°F (866°C)
Liquidus	1630°F (888°C)
Brazing Range	1330-1550°F (721°C-843°C)
Color	Yellow Brass
Hardness as welded	80-100 Brinell
Tensile Strength	60-68,000

Chemical Composition	
Copper	56.0-60.0
Zinc	Balance
Tin	0.80-1.10
Iron	0.25-1.20
Manganese	0.01-0.50
Silicon	0.04-0.15
Total other elements	0.50 max including Pb of 0.05 and Al of 0.01

Available sizes:

TCU LFB 04	FLUX COATED LFB 1/16 X 18" (RBCUZN-C)
TCU LFB 05	FLUX COATED LFB 3/32 X 36" (RBCUZN-C)
TCU LFB 05/18	FLUX COATED LFB 05 3/32 X 18" (RBCUZN-C)
TCU LFB 06	FLUX COATED LFB 1/8 X 36" (RBCUZN-C)
TCU LFB 06/18	FLUX COATED LFB 06 1/8 X 18" (RBCUZN-C)
TCU LFB 07	FLUX COATED LFB 5/32 X 36" (RBCUZN-C)
TCU LFB 08	FLUX COATED LFB 3/16 X 36" (RBCUZN-C)
TCU LFB 09	FLUX COATED LFB 1/4 X 36" (RBCUZN-C)

Other sizes available – please inquire

SUPERFLOW SILVER BRAZING ALLOYS

SUPERFLOW High Silver Brazing Alloys are high joint/tensile strength and excellent mechanical properties, resulting in strong and reliable joints also offering good resistance to corrosion and oxidation, ensuring the durability and longevity of the brazed joints. SUPERFLOW Silver Brazing Alloys can join a wide range of materials, including copper, brass, bronze, steel, stainless steel and some high-temperature alloys. Their excellent thermal and electrical conductivity make them suitable for applications where efficient heat transfer or electrical conductivity is required. Superflow white or black brazing flux is needed when working with bare wires or non-coated rods.

45%CF (BAg-5)

BAg-5 AVAILABLE SIZES	
TAG 45CF-06/1	45%CF BAg-5 CAD-FREE .030 X 1 COIL CLAMSHELL PACK
TAG 45CF-06/3	45%CF BAg-5 CAD-FREE .030 X 3 COIL CLAMSHELL PACK
TAG 45CF-06/5	45%CF BAg-5 CAD-FREE .030 X 5 COIL CLAMSHELL PACK
TAG 45CF 06C	45%CF BAg-5 CAD-FREE .030 X 50 - COIL
TAG 45CF-236/1	45%CF BAg-5 CAD-FREE 3/64 X 1 COIL CLAMSHELL PACK
TAG 45CF-236/3	45%CF BAg-5 CAD-FREE 3/64 X 3 COIL CLAMSHELL PACK
TAG 45CF-236/5	45%CF BAg-5 CAD-FREE 3/64 X 5 COIL CLAMSHELL PACK
TAG 45CF 236	45%CF BAg-5 CAD-FREE 3/64 X 50 - COIL
TAG 45CF-24/1	45%CF BAg-5 CAD-FREE 1/16 X 1 COIL CLAMSHELL PACK
TAG 45CF-24/3	45%CF BAg-5 CAD-FREE 1/16 X 3 COIL CLAMSHELL PACK
TAG 45CF-24/5	45%CF BAg-5 CAD-FREE 1/16 X 5 COIL CLAMSHELL PACK
TAG 45CF 25	45%CF BAg-5 CAD-FREE 1/16 X 50 - COIL
TAG 45CF 27	45%CF BAg-5 CAD-FREE 3/32 X 50 - COIL
TAG 45CF 28	45%CF BAg-5 CAD-FREE 1/8 X 50 - COIL

56%CF (BAg-7)

BAg-7 AVAILABLE SIZES	
TAG 56CF 04	56%CF BAg-7 1/16 X 36"
TAG 56CF 05	56%CF BAg-7 3/32 X 36"
TAG 56CF 06	56%CF BAg-7 1/8 X 36"
TAG 56CF-06/1	56%CF BAg-7 .030 X 1 TO COIL CLAMSHELL PACK
TAG 56CF-06/3	56%CF BAg-7 .030 X 3 TO COIL CLAMSHELL PACK
TAG 56CF-06/5	56%CF BAg-7 .030 X 5 TO COIL CLAMSHELL PACK
TAG 56CF 06C	56%CF BAg-7 .030 X 50 TO COIL
TAG 56CF-236/1	56%CF BAg-7 3/64 X 1 TO COIL CLAMSHELL PACK
TAG 56CF-236/3	56%CF BAg-7 3/64 X 3 TO COIL CLAMSHELL PACK
TAG 56CF-236/5	56%CF BAg-7 3/64 X 5 TO COIL CLAMSHELL PACK
TAG 56CF 236	56%CF BAg-7 3/64 X 50 TO COIL
TAG 56CF-24/1	56%CF BAg-7 1/16 X 1 TO COIL CLAMSHELL PACK
TAG 56CF-24/3	56%CF BAg-7 1/16 X 3 TO COIL CLAMSHELL PACK
TAG 56CF-24/5	56%CF BAg-7 1/16 X 5 TO COIL CLAMSHELL PACK
TAG 56CF 25	56%CF BAg-7 1/16 X 50 TO COIL
TAG 56CF-27/1	56%CF BAg-7 3/32 X 1 TO COIL CLAMSHELL PACK
TAG 56CF-27/3	56%CF BAg-7 3/32 X 3 TO COIL CLAMSHELL PACK
TAG 56CF-27/5	56%CF BAg-7 3/32 X 5 TO COIL CLAMSHELL PACK
TAG 56CF 27	56%CF BAg-7 3/32 X 50 TO COIL

45% (BAg-1)

TAG 45CF AVAILABLE SIZES	
TAG 45 04	45% BAg-1 (AG 45%) 1/16 X 36"
TAG 45 05	45% BAg-1 (AG 45%) 3/32 X 36"
TAG 45 06	45% BAg-1 (AG 45%) 1/8 X 36"
TAG 45-24/1	45% BAg-1 (AG 45%) 1/16 X 1 TO COIL CLAMSHELL PACK
TAG 45-24/3	45% BAg-1 (AG 45%) 1/16 X 3 TO COIL CLAMSHELL PACK
TAG 45-24/5	45% BAg-1 (AG 45%) 1/16 X 5 TO COIL CLAMSHELL PACK
TAG 45 25	45% BAg-1 (AG 45%) 1/16 X 50 TO COIL
TAG 45 27	45% BAg-1 (AG 45%) 3/32 X 50 TO COIL
TAG 45 21	45% BAg-1 (AG 45%) 1/32 X 50 TO COIL

50%NCF (BAg-24)

BAg-24 AVAILABLE SIZES	
TAG 50NCF-236/1	BAg-24 3/64 X 1 TO COIL CLAMSHELL PACK
TAG 50NCF-236/5	BAg-24 3/64 X 5 TO COIL CLAMSHELL PACK
TAG 50NCF-24/1	BAg-24 1/16 X 1 TO COIL CLAMSHELL PACK
TAG 50NCF-24/3	BAg-24 1/16 X 3 TO COIL CLAMSHELL PACK
TAG 50NCF-24/5	BAg-24 1/16 X 5 TO COIL CLAMSHELL PACK
TAG 50NCF-25	BAg-24 1/16 X 50 TO COIL
TAG 50NCF-27	BAg-24 3/32 X 50 TO COIL

Other products and sizes available - please inquire
All bare and non-coated rods sold in Troy Ounces (t.o.)
*1 t.o., 3 t.o., 5 t.o. coils all in clamshell pack
**25 t.o. & 50 t.o., coils packed in plastic bag inside of a protective box
******CF or Cad-free = Cadmium Free ; N =Nickel ; T = Tin***

Washington Alloy offers a wide range for Silver Brazing Alloys to fit almost any application.
Reach out to your local sales representative today to learn more about our vast line of Silver Brazing products.

SUPERFLOW 50/50 LEAD BEARING SOLDERS

*50Sn/50Pb | **ASTM** B32 50Sn, Pb50*

SUPERFLOW 50/50 Tin Lead (Sn/Pb) solder is one of the most general-purpose solders in the leaded family. 50/50 is used on copper, copper alloys (brass and bronze) , steel , nickel and lead. The Sn/Pb family of solders with lower elongations properties are not used in heavy vibration or excessive stress requirements. With its low melting point soldering guns/irons and air fuel torches are most commonly found as the heating source. DO NOT USE ANY LEADED ALLOYS ON POTABLE WATER APPLICATIONS or SYSTEMS

Physical Data	
Solidus	452°F (233°C)
Liquidus	464°F (240°C)
Tensile Strength	5900 psi
Shear Strength	6000 psi
Eletrical Conductivity	11.9% AT 68°F (IACS)
Color	Bright Silver
Density	7.250 Mg m^{-3}

Chemical Composition	
Tin	Balance
Antimony	4.5-5.5%

Available sizes:
TAS 95/5SB 261
TAS 95/5SB 281

95SN/5SB 3/32 X 1 LB
95SN/5SB 1/8 X 1 LB

Other sizes available - please inquire

SUPERFLOW 95/5 TIN-ANTIMONY SOLDERS

*95Sn/5Sb | **ASTM** B32 95TA, Sb5*

SUPERFLOW 95/5 tin-antimony solder is useful for applications where higher service temperature is a factor than with the common tin-lead solders. It provides higher electrical conductivity and is recommended where lead contamination must be avoided. The tin-antimony solders are not recommended for use on brass. 95/5 has a narrow working temperature range.
Do not continue to heat the joint after the solder flows.

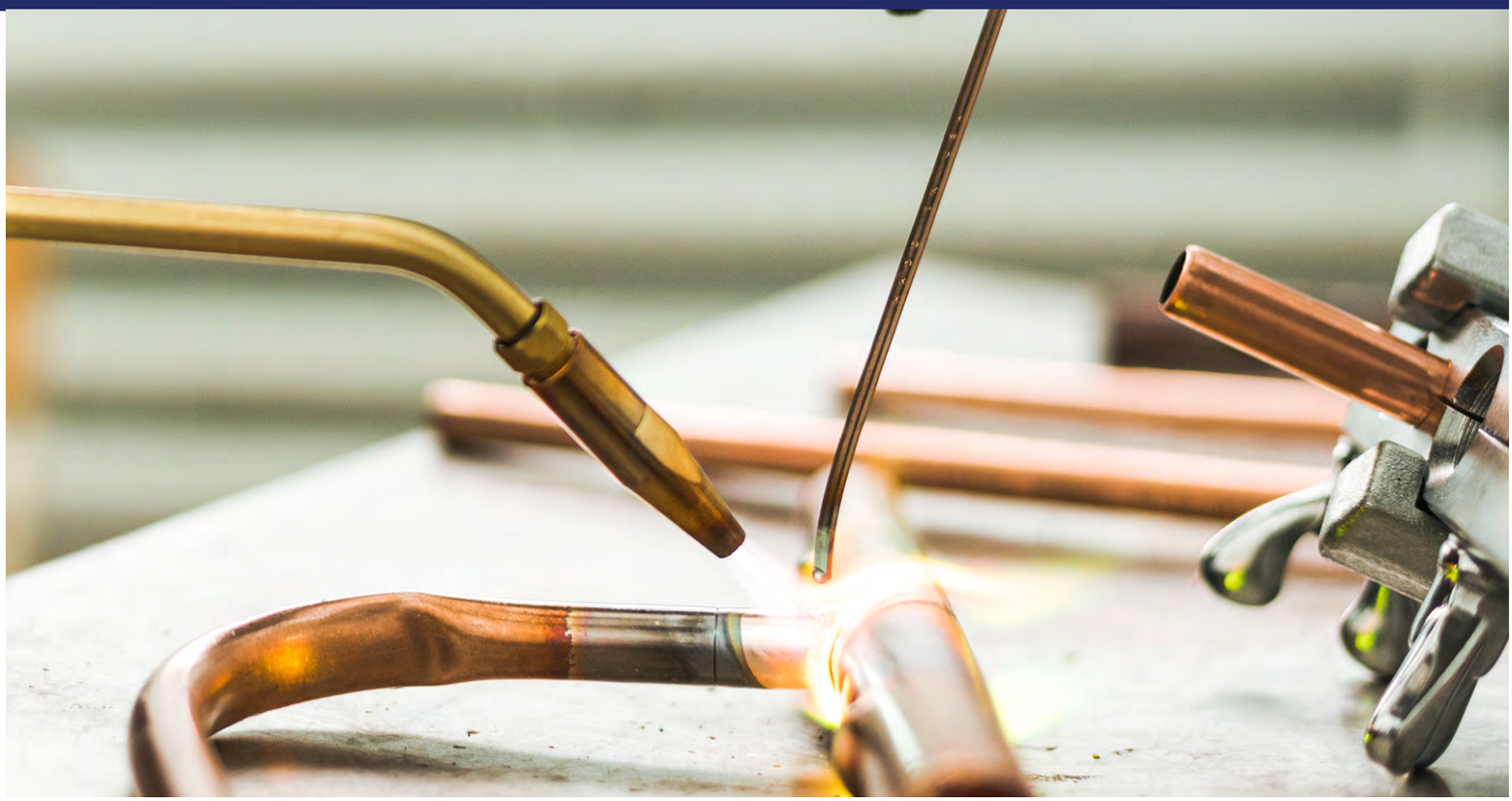
Physical Data	
Solidus	361°F (183°C)
Liquidus	421°F (216°C)
Tensile Strength	5900 psi
Shear Strength	6000 psi
Eletrical Conductivity	11.9% AT 68°F (IACS)
Color	Bright Silver
Density	7.250 Mg m^{-3}

Chemical Composition	
Tin	Balance
Antimony	4.5-5.5%

Available sizes:
TAS 95/5SB 261
TAS 95/5SB 281

95SN/5SB 3/32 X 1 LB
95SN/5SB 1/8 X 1 LB

Other sizes available - please inquire



SUPERFLOW BRAZING FLUX

SUPERFLOW Brazing fluxes are a crucial component in brazing as it plays a vital role in the brazing process by facilitating the flow and wetting of the filler metal, preventing oxidation of the base metals, and promoting the formation of strong, reliable joints.

The choice of flux depends on the materials being brazed and the specific brazing process being used.

Available Fluxes:

Brazing Flux
White Brazing Flux
Black Brazing Flux
Aluminum Brazing Flux
Cast Iron Flux
General Purpose Brazing Flux
Soldering Flux
Aluminum Soldering Flux
RMA Flux
Liquid Soldering Flux
Acid Soldering Flux

*product label may vary

CALIFORNIA MASSACHUSETTS NORTH CAROLINA TEXAS WASHINGTON
888-522-8296 www.washingtonalloy.com sales@washingtonalloy.com

WASHINGTON ALLOY CO.

CALIFORNIA MASSACHUSETTS NORTH CAROLINA TEXAS WASHINGTON
888-522-8296 WWW.WASHINGTONALLOY.COM SALES@WASHINGTONALLOY.COM