PLUMBING SOLDER

Nathan Trotter

In 1789, more than 100 years before the introduction of Copper in residential and commercial plumbing, Nathan Trotter opened Nathan Trotter & Co. in Philadelphia as a metal merchant, importing Tin, Antimony, Lead and Zinc ingot from around the world.

Today we are North America's largest manufacturer of Tin products and solder alloys, built on generations of experience and still family-owned and operated. Our Plumbing solder product line is no exception to our core values, deeply rooted in our dedication to quality and reliability. Our customers expect the best from us, end of story.

Solder	Phoenix	Armor	Viper	SilverStrike	SilverStar
Alloy	50Sn / 50Pb	95Sn / 5Sb	97Sn / 3Cu	95.9Sn / 3Cu 1Bi / 0.1Ag	95.5Sn / 4Cu 0.5Ag
Lead-Free	No	Yes	Yes	Yes	Yes
Composition	High-Purity Virgin Metals				
Melting Temp Range	361-421 F 183-216 C	450-464 F 232-240 C	440-572 F 227-400 C	420-460 F 216-238 C	416-454 F 214-234 C
Ultimate Tensile Strength	9790 psi / 67.5 Mpa	10080 psi / 69.5 Mpa	10370 psi / 71.5 Mpa	9573 psi / 66 Mpa	9645 psi / 66.5 Mpa
ASTM B32 Compliant	Yes				
NSF/ANSI 61 Compliant	No	Yes	Yes	Yes	Yes
NSF/ANSI 372 Compliant	No	Yes	Yes	Yes	Yes
Shelf Life	Indefinite				
Flux Compatability	Can be used with any application-compliant flux				
Country of Origin	U.S.A.				

PHOENIX
50Sn/50Pb
Solid Leaded Wire Solder

The Phoenix solder alloy was the original Plumbing solder and is commonly used today for non-potable water and DWV (drain, waste and vent) applications due to its versatility, flow and low melting point.

Part No.	Spool Weight	Wire Diameter	Case Count	UPC Code	Carton UPC Coded	Technical Data Sheet
4:20053	1 lb / 454 g		24			
4:20054	5 lb / 2.27 kg	0.118" / 3 mm	4		Yes	
4:20055	20 lb / 9.08 kg		1			

ARMOR
95Sn/5Sb
Solid Lead-Free Wire Solder

The Armor solder alloy was the first Lead-free Plumbing solder and is still commonly used today due to its compliance to The United States Environmental Protection Agency's 2020 Lead-Free Safe Drinking Water Act and The 2020 National Plumbing Code of Canada.

Part No.	Spool Weight	Wire Diameter	Case Count	UPC Code	Carton UPC Coded	Technical Data Sheet
8:60028	1 lb / 454 g		24			
8:60029	5 lb / 2.27 kg	0.118" / 3 mm	4		Yes	
8:60030	20 lb / 9.08 kg		1			

VIPER
97Sn/3Cu
Solid Lead-Free Wire Solder

The Viper alloy was the first improved Lead-free Plumbing solder, is the most popular cost effective improved Lead-free solder, and complies to The United States Environmental Protection Agency's 2020 Lead-Free Safe Drinking Water Act and The 2020 National Plumbing Code of Canada.

Part No.	Spool Weight	Wire Diameter	Case Count	UPC Code	Carton UPC Coded	Technical Data Sheet
8:60031	1 lb / 454 g		24			
8:60032	5 lb / 2.27 kg	0.118" / 3 mm	4		Yes	
8:60033	20 lb / 9.08 kg		1			

SILVERSTRIKE
Silver Bearing
Solid Lead-Free Wire Solder

SilverStrike is a standard grade Silver-bearing solder which provides improved flow, and that complies to The United States Environmental Protection Agency's 2020 Lead-Free Safe Drinking Water Act and The 2020 National Plumbing Code of Canada.

Part No.	Spool Weight	Wire Diameter	Case Count	UPC Code	Carton UPC Coded	Technical Data Sheet
8:60034	1 lb / 454 g		24			
8:60035	5 lb / 2.27 kg	0.118" / 3 mm	4		Yes	
8:60036	20 lb / 9.08 kg		1			

SILVERSTAR PREMIUM
High Silver Bearing
Solid Lead-Free Wire Solder

SilverStar is a premium grade Silver-bearing solder with the highest level of Silver and best flow in Plumbing solders, and is compliant to The United States Environmental Protection Agency's 2020 Lead-Free Safe Drinking Water Act and The 2020 National Plumbing Code of Canada.

Part No.	Spool Weight	Wire Diameter	Case Count	UPC Code	Carton UPC Coded	Technical Data Sheet
8:60037	1 lb / 454 g		24			
8:60038	5 lb / 2.27 kg	0.118" / 3 mm	4		Yes	
8:60039	20 lb / 9.08 kg		1			

Visit **nathantrotter.com** to obtain the Safety Data Sheets for each product.