



# Alloy Sol™ - Aluminum Repair and Joining Rod

## Description

All purpose brazing and soldering of aluminum fittings, castings, tubing, and coils. 600 degree flow temp allows the technician to successfully fix and fabricate all aluminum grades.

## Applications

- Join and repair:
  - Filling in holes, building up worn or missing sections and joining cast to wrought parts.
  - General purpose outdoor use on repairing aluminum skids, platforms, loading docks, truck bodies, irrigation piping, fences and railings.
  - Joining thick to thin sections requiring a combination of braze-welding and brazing techniques.
- Use any heat source :
  - Oxy-acetylene torch
  - Natural gas torch
  - Propane torch
  - Mapp gas

Pairs With:

- Alloy Sol Rods

## Properties

Composition	
Si (Silicon) :	5%
Fe (Iron):	.3%
Cu (Copper):	.001%
Mg (Magnesium):	.003%
Mn (Manganese):	.04%
Zn (Zinc):	.003%
Ti (Titanium):	.004%
Al (Aluminum):	94.649%

Technical Data	
Appearance:	Gray
Solidus:	580° F (305° C)
Liquidus:	1080° F (582° C)
Recommended Brazing Temperature	600-700°F (315-371°C)
Density (Lbs/in <sup>3</sup> )	0.15
Electrical Conductivity (%IACS)	N/A
Electrical Resistivity (Microhm-cm)	N/A
Shelf Life:	Lifetime - Stored in proper area
Packaging:	Plastic Tube

## Product Variants

- 18" Rods
  - SW-AS09305.K - 5 Rod Pack
  - SW-AS09315K - 15 Rod Pack
  - SW-AS09320K - 20 Rod Pack
- 8" Rods
  - SW-AS09305.5 - 5 Rod Pack