Neptune® S

ROCKMOUNT
Welding Alloys

Solder / Gas

For aluminum sheet or cast material, self-fluxing.

Features

- Fills Cracks and Defects
- Easy and Safe To Use
- Good Color Match
- No Flux Required
- 32,000 psi
- Build-Up Worn Areas
- Salvage Castings
- No Special Preparation
- Fill Holes
- Hardness 105 BHN

Characteristics

Neptune S has been developed to join and repair aluminum castings, sheet metal and forging. It may be applied at low temperature and without the use of flux.

Since **Neptune S** flows well below the melting point of aluminum, it is very easy to apply without fear of melting the base metal. **Neptune S** is ideal for sealing fine cracks, holes or building worn areas when deposits do not have to develop high strength.

Technical

Use Carburizing Flame
Temperature: 670°F (354°C)

Inches	1/8
(mm)	(3.2)

Application

- Clean joint thoroughly and roughen surface to improve bond.
- Heat area to be repaired until alloy adheres.
- No flux required.

Neptune® SS

ROCKMOUNT Welding Alloys

Solder/Torch, Iron, Furnace

For aluminum and aluminum to all other metals.

Features

- Good Strength 7,500 psi
- Thin Flowing
- Good Color Match
- May Be Preplaced
- Low Temperature
- Works With Zinc Die Castings
- Seals Cracks
- Easy To Use

Characteristics

Neptune SS is a very low temperature solder product, developed for easy joining of aluminum tubing, castings, sheets, etc. When used with **Neptune Solder Flux**, it will join aluminum to steel, copper, stainless, brass, etc. Since the melting point of **Neptune SS** is so low, there is no danger of melting the aluminum base metal. This cadmium alloy with its low melting point is ideal for use on white metal or zinc die castings. Marked with an orange tip.

Technical

Temperature: 320°F (180°C)

Inches	1/8
(mm)	(3.2)

Application

- Clean joint thoroughly.
- **Neptune Solder Flux** is required to aid cleaning and wetting action (available separately).
- If heating with an open flame, apply heat indirectly, avoiding contact with flux.
- Apply alloy when flux boils, avoid overheating.
- Remove flux with hot water.