

Neptune® TIG

Gas Tungsten Arc Welding (GTAW)

For aluminum—sheets, extrusion, pipe and castings.

Features

- High Strength 34,000 psi
- Minimum Crack Sensitivity
- Most Suitable For A Wide Range Of Aluminum Alloys
- May Be Anodized
- Excellent Color Match
- Helps Avoid Porosity

Characteristics

Neptune TIG is particularly excellent for truck bodies, molds, fixtures and aluminum castings. Ideal for unknown aluminum alloys. When pre-cleaning is difficult, **Neptune GCF** brazing will provide excellent results.

Technical

Inches	1/16	3/32	1/8
(mm)	(1.6)	(2.4)	(3.2)

(AC with Hi-Frequency)

Application

- Use AC with high frequency argon and/or helium gas.
- Bevel and preheat heavy sections.
- Use pure tungsten or zirconiated electrodes.
- Use stainless wire brush.
- For magnesium see **Neptune M TIG**.

Identification

- Marked by **Blue Tip**

Neptune[®] M TIG

Gas Tungsten Arc Welding (GTAW)

For magnesium–cast, sheet, tubing. Use for joining and build-up.

Features

- Strength 37,000 psi
- Excellent Color Match
- Bead Forming and Thin Flow
- Fast and Easy Use

Characteristics

Neptune M TIG has been specifically developed for the maintenance welder who must weld a variety of magnesium components such as dock plates, structural members, ladders and tool housings

Technical

Inches	(mm)
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1/8	(3.2)
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(AC with Hi-Frequency)

Application

- Clean and preheat.
- Use AC with high frequency and argon or helium gas.
- Paint **Neptune Flux** on the backside of the weld to aid penetration.
- Weld procedure identical to aluminum.

Identification

- Marked by **Red Tip**