

Venus® TIG

Gas Tungsten Arc Welding (GTAW)

For bronze, brass, cast iron, steel or combinations.

Features

- High Strength 60,000 psi
- Excellent Wearing Surface
- Hardness BHN 75
- Good Corrosion Resistance
- Low Friction Surface
- Color Match On Bronze

Characteristics

Venus TIG produces sound repairs on pumps, shafts or other bearing surfaces to produce a long wearing machinable low friction surface.

Technical

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

(DCEN)

Application

- Clean base metal completely.
- Use stainless brush.
- Preheat bronze to 400°F (204°C) avoid restrained joints.
- Use DC Straight Polarity or AC with high frequency.
- Argon and/or helium gas.

Identification

- Marked by **Black Tip**

Venus[®] C TIG

Gas Tungsten Arc Welding (GTAW)

For bronze, brass, cast iron, steel or combinations.

Features

- Strength 106,000 psi
- Excellent Corrosion Resistance
- Hardness BHN 200
- Low Friction Surface
- Welds Dissimilar Metals
- Work Hardens

Characteristics

Venus C TIG a highly alloyed aluminum bronze TIG filler. The addition of nickel and manganese gives it great versatility in joining and overlays on silicon bronzes, copper alloys, ferrous alloys and cast irons. **Venus C TIG** is the alloy of choice for applications such as valves, pumps, mixing blades, propellers and turbines.

Technical

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

(DCEN)

Application

- Clean base metal completely.
- Use stainless brush.
- Preheat bronze to 400°F (204°C) avoid restrained joints.
- Use DC Straight Polarity or AC with high frequency.
- Argon and/or helium gas.

Identification

- Marked by **Blue Tip**