

# Tartan<sup>®</sup> MIG

## Gas Metal Arc Welding (GMAW – Wire)

For welding mild and medium alloy steels.

### Features

- 80,000psi Tensile Strength
- Excellent Elongation
- Excellent Out-Of-Position Characteristics
- Good Quality Welds
- 96-98% Deposition Efficiency
- Copper Flashed
- Can Be Used On Rusty, Oily and Dirty Steel

### Characteristics

**Tartan MIG** is a deoxidized copper-flashed silicon-manganese alloyed wire with Zirconium, Aluminum, and Titanium that consistently produces excellent quality welds.

**Tartan MIG**, with its low carbon content and “fast-freezing” puddle makes it ideal for any type of out-of-position welding. Also, its additional deoxidants make it ideal for welding rusty, dirty, oily-type steels, while ensuring consistent good quality welds.

We recommend **Gemini Anti-Spatter spray** for lasting protection of your contact tip and MIG nozzle (see chemical aids in Abrasives & Metal Working products section).

### Technical

Inches	.035	.045
(mm)	(0.9)	(1.2)
Volts	15-30	20-35
Amps	50-300	15-375
Gas Flow (ft <sup>3</sup> /hr)	20-35	20-35

Use Reverse Polarity (DCEP)

### Shielding Gas Options

- 100% CO<sub>2</sub>
- 98% Argon - 2% O<sub>2</sub>
- 95% Argon - 5% O<sub>2</sub>
- 75% Argon - 25% CO<sub>2</sub>
- 80% Argon - 20% CO<sub>2</sub>
- 90% Argon - 10% CO<sub>2</sub>

### Spool Size

- 2# Available in .035
- 33# Available in .030, .035 and .045
- 44# Available in .045

# Tartan® B MIG

## Gas Metal Arc Welding (GMAW – Wire)

For welding mild and medium alloy steels.

### Features

- 80,000psi Tensile Strength
- High Elongation
- Excellent For Rust and Mill Scale
- Good For Galvanized Steel
- Superior Out Of Position Characteristics
- Excellent Wetting Action
- Copper Flashed

### Characteristics

**Tartan B MIG** has a high silicon-manganese content providing excellent appearing welds over a wide range of welding conditions. Deposits have good wetting action.

The high alloying of **Tartan B MIG** allows a wide range of welding parameters. Good results are achieved even under adverse conditions of dirty, rusty steels. Deposits have superior mechanical properties.

We recommend **Gemini Anti-Spatter spray** for lasting protection of your contact tip and MIG nozzle (see chemical aids in Abrasives & Metal Working products section).

### Technical

Inches	.023	.030	.035	.045
(mm)	(0.6)	(0.8)	(0.9)	(1.2)
Volts	15-30	15-30	15-35	20-35
Amps	20-125	30-200	50-300	115-373
Gas Flow (ft <sup>3</sup> /hr)	15-30	20-35	20-35	25-35

Use Reverse Polarity (DCEP)

### Shielding Gas Options

- 100% CO<sub>2</sub>
- 98% Argon – 2% O<sub>2</sub>
- 95% Argon – 5% O<sub>2</sub>
- 90% Argon – 10% CO<sub>2</sub>
- 80% Argon – 20% CO<sub>2</sub>
- 75% Argon – 25% CO<sub>2</sub>

### Spool Size

- 11# Available in .023, .030, and .035
- 22# Available in .035
- 44# Available in .030, .035 and .045