



# 5356

**Certifications:**

AWS A5.10  
ASME SFA A5.10

### Features

- High strength
- High ductility, fatigue strength, and toughness
- Higher column strength, and better feedability

### Applications

- Used on 5086 and lower strength alloys.
- Can be used on truck frames, bus panels, rail cars, and shipbuilding

### Diameters & Packages

Diameter	1 lb	5 lb	16 lb	30 lb	36" TIG Rods, 10 lb
0.030"	✓	✓	✓		
0.035"	✓	✓	✓		✓
0.040"			✓		
0.047"	✓	✓	✓	✓	✓
0.062"	✓		✓		✓
0.093"					✓
0.125"					✓
0.156"					✓
0.187"					✓

### Technical Specifications

**Shielding Gas:** 100% Argon or Argon/Helium mixtures

**Typical Chemical Composition:**

Chemical	Si	Fe	Cu	Mn	Mg	Zn
	0.25 max	0.40 max	0.10 max	0.05-0.20	4.5-5.5	0.10 max

Chemical	Ti	Cr	Al	Be	Other Each	Other Total
	0.06-0.20	0.05-0.20	Remainder	0.0003 max	0.05	0.15

**Recommended Weld Parameters:**

Diameter	Base Material Thickness	Amps	Volts	IPM
0.035	1/16	100	21	350
0.035	1/8	140	22	450
0.035	1/4	180	23	600
3/64	3/32	120	24	220
3/64	1/8	160	25	330
3/64	1/4	220	25	370
3/64	3/8	230	25	450