

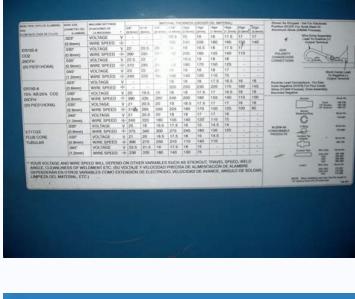
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# Mig welding temperature chart



Type of tungsten	Color	Uses and performance
Pure	Green	Provides good arc stability for AC welding. Reasonably good resistance to contamination. Lowest current carrying capacity. Least expensive. Maintains a balled end.
Ceriated CeO <sub>2</sub> 1.8% to 2.2%	Orange	Similar performance to thoriated tungsten. Easy arc starting, good arc stability, long life. Possible replacement for thoriated.
Thoriated ThO <sub>2</sub> 1.7% to 2.2%	Red	Easier arc starting. Higher current capacity. Greater arc stability. High resistance to weld pool contamination. Difficult to maintain balled end on AC.
Lanthanated La <sub>2</sub> O <sub>3</sub> 1.3% to 1.7%	Gold	Similar performance to thoriated tungsten. Easy arc starting, good arc stability, long life, high current capacity. Possible replacement for thoriated.
Zirconiated ZrO <sub>2</sub> 0.15% to 0.40%	Brown	Excellent for AC welding due to favorable retention of balled end, high resistance to contamination, and good arc starting. Preferred when tungsten contamination of weld is intolerable.



Welder Setting Chart											
Welding parameters											
Material	Material	Polarity	Ampereage	Tungsten color	Penetration	Weld	Electrode	Weld flow	Weld flow	Welding cap	Welding cap
Aluminum	Al	DC	30-70	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	70-100	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	100-150	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	100-150	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	150-180	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	150-180	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	180-200	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	180-200	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	200-250	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	200-250	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	250-300	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	250-300	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	300-350	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	300-350	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	350-400	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	350-400	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	400-450	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	400-450	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	450-500	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	450-500	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	500-550	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	500-550	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	550-600	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	550-600	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	600-650	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	600-650	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	650-700	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	650-700	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	700-750	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	700-750	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	750-800	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	750-800	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	800-850	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	800-850	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	850-900	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	850-900	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	900-950	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	900-950	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	950-1000	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	950-1000	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1000-1050	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1000-1050	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1050-1100	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1050-1100	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1100-1150	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1100-1150	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1150-1200	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1150-1200	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1200-1250	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1200-1250	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1250-1300	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1250-1300	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1300-1350	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1300-1350	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1350-1400	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1350-1400	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1400-1450	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1400-1450	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1450-1500	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1450-1500	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1500-1550	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC	1500-1550	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	DC	1550-1600	Green	100°	100	0.05	10	10	10-20°	10
Aluminum	Al	AC</									

