

Tungsten

The Weldcraft™ product line contains a broad spectrum of high-quality tungsten electrodes to serve all your TIG welding needs.



Tungsten electrodes

	Pure (EWP)	2% Ceriated (EWCe-2)	2% Lanthanated (EWLa-2)	Rare Earth (EWG)
Type	Forms a clean, balled end when heated and provides good arc stability for AC welding with a balanced or unbalanced square wave or sine wave.	Performs well in DC welding and arc starting at low-current settings, and offers excellent performance in AC processes.	Substitute for 2% Thoriated. Similar characteristics to 1.5% Lanthanated with better arc starting, arc stability and less tip erosion.	Combines the best of all alloying elements and provides excellent arc stability in AC or DC welding.
Old Color/ New Color	No change/ Green	Orange/ Gray	No change/ Dark blue	Gray/ Light blue
Diameter in. (mm) Part #		0.040 (1.0) WC040X7	0.040 (1.0) WL2040X7	
	1/16 (1.6) WP116X7	1/16 (1.6) WC116X7	1/16 (1.6) WL2116X7	1/16 (1.6) WG116X7
	3/32 (2.4) WP332X7	3/32 (2.4) WC332X7	3/32 (2.4) WL2332X7	3/32 (2.4) WG332X7
	1/8 (3.2) WP018X7	1/8 (3.2) WC018X7	1/8 (3.2) WL2018X7	1/8 (3.2) WG018X7
		5/32 (4.0) WC532X7	5/32 (4.0) WL2532X7	
Application	AC transformers	DC AC inverters	DC AC inverters	DC AC inverters
Alloying Element	None	Cerium	Lanthanum	Cerium, Lanthanum, Yttrium and others
Composition	99.5% Tungsten 0.5% Other	97.3% Tungsten 1.8–2.2% Cerium 0.5% Other	97.3% Tungsten 1.8–2.2% Lanthanum 0.5% Other	97.3% Tungsten Balance: Cerium, Lanthanum, Yttrium and others
Materials Welded	Aluminum Magnesium	Carbon Steel Stainless Steel Nickel Alloy Titanium Aluminum	Carbon Steel Stainless Steel Nickel Alloy Titanium Aluminum	All