



Choosing The Right Tungsten for TIG Welding

Electrode Color	Composition	Electrode Code		Diameter		Process		REMARK
		AWS	ISO	mm	Inch	AC	DC	
Green	Pure Tungsten	EWP	WP	1.6 mm	1/16"	*		Only working for in Ac process of Thyristor Welding Machine is not recommended for inverter welding machine
				2.4 mm	3/32"	*		
				3.2 mm	1/8"	*		
Gray	2% Ceriated Tungsten	EWCe-2	Wce20	1.0 mm	0.04"	*	*	Gray Tungsten would be suitable for Both process AC and DC
				1.6 mm	1/16"	*	*	
				2.4 mm	3/32"	*	*	
				3.2 mm	1/8"	*	*	
Red	2% Thoriated Tungsten	EWTh2	WTh20	1.0 mm	0.04"	*	*	%2 Thoriated(the spatter might cause some health issue like cancers
				1.6 mm	1/16"	*	*	
				2.4 mm	3/32"	*	*	
				3.2 mm	1/8"	*	*	
				4.0 mm	5/32"	*	*	
Gold	1.5% Lanthanated Tungsten	EWLa-1.5	WLa15	1.0 mm	0.04"	*	*	Lanthanated %1.5 best recommended for DC but you can also use for AC and also this color could be replace of RED because of some health issue
				1.6 mm	1/16"	*	*	
				2.4 mm	3/32"	*	*	
				3.2 mm	1/8"	*	*	
				4.0 mm	5/32"	*	*	
Blue	2% Lanthanated Tungsten	EWLa-2	WLa20	1.0 mm	0.04"	*	*	Lanthanated %2 best recommended for DC but you can also use for AC and also this color could be replace of RED because of some health issue
				1.6 mm	1/16"	*	*	
				2.4 mm	3/32"	*	*	
				3.2 mm	1/8"	*	*	
White	0.8% Zirconated Tungsten	EWZr-8	WZr8	1.0 mm	0.04"	*		Zirconated %3 and is really good for AC process
				1.6 mm	1/16"	*		
				2.4 mm	3/32"	*		
				3.2 mm	1/8"	*		
Brown	0.3% Zirconated Tungsten	EWZr-3	WZr3	1.6 mm	1/16"	*		Zirconated %8 and is really good for AC process
				2.4 mm	3/32"	*		
				3.2 mm	1/8"	*		
Turquoise (Mixed Rare earth)	Rare Earth Tungsten	EWG	WG	1.6 mm	1/16"	*	*	They called as a Rare Earth and could be use in AC/ DC especially instead of RED
				2.4 mm	3/32"	*	*	
				3.2 mm	1/8"	*	*	

Purchasing a brand new [TIG welding](#) machine can be a purchase that is 100% worth your time and money. With this type of machine, you can finish a wide variety of different spectacular welding projects. If you want to be sure that you are using this machine in the best manner, however, you want to be sure that you are choosing the right tungsten for the job. To learn about choosing the right tungsten for [TIG welding](#), check out our blog post linked below.

Every time you need a project done right, you need the right materials. To learn more about our shop and what we offer, be sure to check out our website linked below and contact us today.

Learn More: <https://www.canaweld.com/choosing-right-tungsten-tig-welding/>

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