

TUNGSTEN ELECTRODDE
AWS A5.12 WL10,WL15,WL20
BLACK, GOLDEN, SKY BLUE



DESCRIPTION

WL15 Lanthanated tungsten electrode attracts close attention and becomes popular in international welding area for its unique good welding performance; it is easy to use under AC or DC conditions; lanthanated electrodes operate at a slightly different arc voltage than thoriated or ceriated electrodes; developed around the same time as ceriated tungsten to help combat the increasing awareness of the radioactivity of thoriated tungsten; generally used to weld carbon and stainless steels, nickel alloys and titanium.

WL15 Tungsten Electrode Specifications:

Diameter	Diameter Tolerance	Length (mm)	Length Tolerance
1.0mm / 0.040 inch	(+/-) 0.05mm	50,75,150,175	(+/-) 0.10
1.6mm / 1/16 inch	(+/-) 0.05mm	50,75,150,175	(+/-) 0.10
2.0mm / 5/64 inch	(+/-) 0.05mm	50,75,150,175	(+/-) 0.10
2.4mm / 3/32 inch	(+/-) 0.05mm	50,75,150,175	(+/-) 0.10
3.2mm / 1/8 inch	(+/-) 0.10mm	50,75,150,175	(+/-) 0.10
4.0mm / 5/32 inch	(+/-) 0.10mm	50,75,150,175	(+/-) 0.10
4.8mm / 3/16 inch	(+/-) 0.10mm	50,75,150,175	(+/-) 0.10

Packing: all 1.5% lanthanated tungsten electrode is packaged 10 pcs in a plastic box, 10 plastic boxes in a inner paper box, 24 inner paper boxes in a carton, special diameters and lengths are available, please contact us for for further details.

Materials Welded: Carbon Steel, Stainless Steel, Nickel Alloy, Titanium Aluminum and etc.



Compositions,color and discharged power:

Model	Added Impurity	Impurity quantity(%)	Other Impurities(%)	Tungsten(%)	Electric discharged power	Color sign
WL10	La2O3	0.8-1.2	<0.20	The rest	2.8-3.2	Black
WL15	La2O3	1.3-1.7	<0.20	The rest	2.8-3.0	Golden Yellow
WL20	La2O3	1.8-2.2	<0.20	The rest	2.6-2.7	Sky blue

Quality of surface: polish annealed, or ground annealed

Applications: GTAW / TIG welding and plasma welding, cutting torches