



# E6013



AVAILABLE IN:

- 20KG BOX WITH 4PCS 5KG BOX
- 5KG BOX



## WELDING ROD

A welding rod is a molten electrode coated for arc welding.



## WELDING WIRE

When welding, it is used as a filler metal or as a conductive metal wire welding material.



THICKNESS: 3.2MM  
2.5MM





# E6013



E6013 is a carbon steel welding rod with a rutile type coating, which can be used for both AC and DC welding and can be used for full position welding. Excellent welding process, stable arc, small spatter, easy slag removal, and beautiful weld formation.

Suitable for welding general low-carbon steel structures, especially for thin plate and small parts, as well as cover welding that requires a beautiful and smooth weld surface.



## WELDING ROD QUALITY CERTIFICATE

<b>PRODUCT</b>	E6013	<b>SPECIFICATION</b>	GB/T 5117 E4313, AWS A5.1 E6013
<b>BATCH NO.</b>	9581574	<b>DATE OF DELIVERY</b>	2023-10-12

### CHEMICAL COMPOSITION OF DEPOSITED METAL (%)

TEST ITEMS	C	Mn	Si	S	P	Ni	Cr	Mo	V
<b>GUARANTEED VALUE</b>	≤ 0.20	≤ 1.20	≤ 1.00	≤ 0.035	≤ 0.040	≤ 0.30	≤ 0.20	≤ 0.30	≤ 0.08
<b>EXAMPLE VALUE</b>	0.079	0.38	0.21	0.018	0.024	0.020	0.032	0.005	0.010

### MECHANICAL PROPERTIES OF DEPOSITED METAL

TEST ITEMS	Rm (MPa)	Rel (MPa)	A (MPa)	KV <sub>2</sub> (J)
				0°C
<b>GUARANTEED VALUE</b>	≥430	≥330	≥17	≥47
<b>EXAMPLE VALUE</b>	485	380	28.5	86

### REFERENCE CURRENT (AC, DC)

WELDING ROD DIAMETER (MM)	Ø2.0	Ø2.5	Ø3.2	Ø4.0
<b>WELDING ROD DIAMETER (MM)</b>	40~70	50~90	90~130	130~210

### PRECAUTIONS:

1. BEFORE WELDING, THE WELDING ROD MUST BE BAKED AT 350°C FOR 1 HOUR AND USED AS NEEDED.
2. BEFORE WELDING, IMPURITIES SUCH AS RUST, OIL STAINS, AND MOISTURE MUST BE REMOVED FROM THE WELDED PARTS.
3. SHORT ARC OPERATION MUST BE USED DURING WELDING, PREFERABLY WITH NARROW WELD BEADS.

