



AGI

Abyssinia Group Of Industries

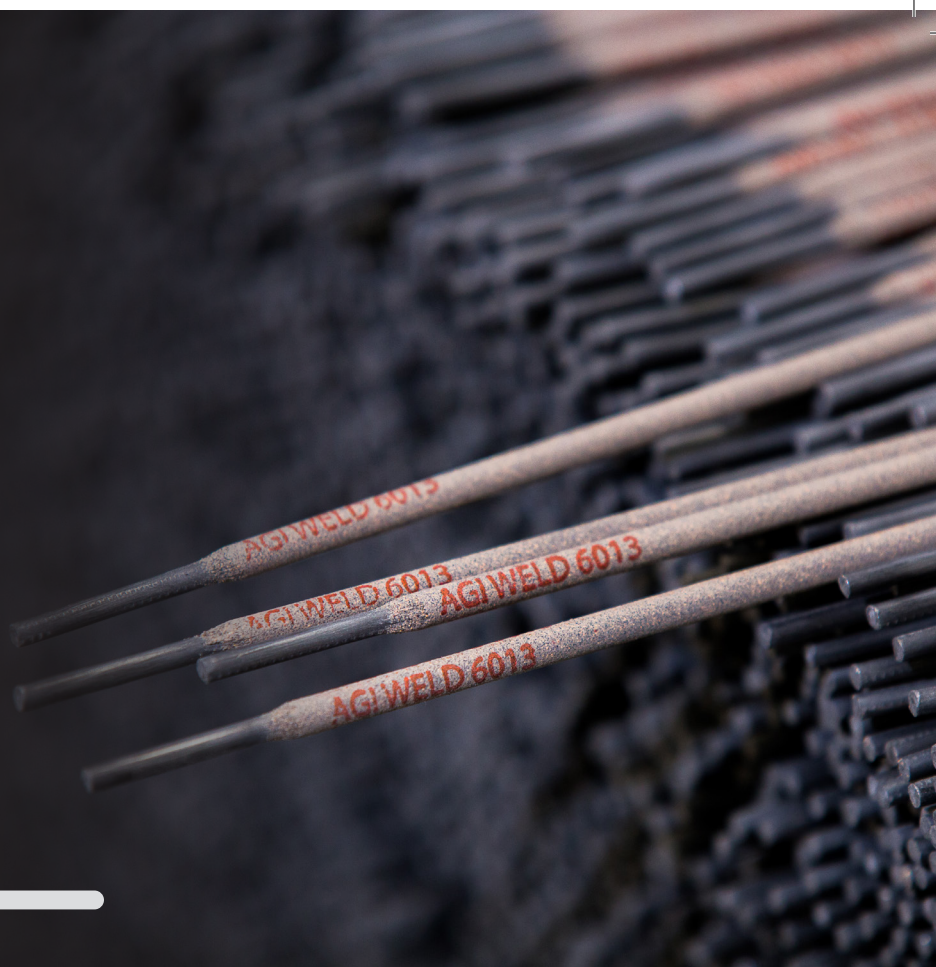
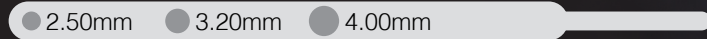
Welding Rod

Type - Carbon Steel electrode with rutile coating.

DIN EN499:1994: E 43 O RC 1 1

AWS: A5.1:2004: E6013

Rod Sizes:



Applications:

Welding joints on steel constructions in car body works and fitting shops. Assembly and repair welding, especially in industry and crafts. Suitable for welding in all positions especially in the horizontal position.



Characteristics:

As per standards KS 322:1988, AGI Weld E 6013 is the best all round rutile electrode and is relatively insensitive to rust or other surface impurities. It deposits smooth weld beads in all positions including vertical-down and the slag is easy to remove. AGI Weld E 6013 is very easy to strike and re-strike, making it ideal for short welds, root runs and tacking.



Current mode: AC / DCEP / DCEN

Welding current:

Æmm	2.5 × 350	3.20 × 350	4.0 × 350	5.0 × 350
Amps	70 – 900	90 – 130	140 – 180	180 – 250



Mechanical properties

Tensile strength: 430 N/mm² min
Yield strength: 330 N/mm² min
Elongation: 17% min



Chemical analysis of weld deposit, typical values in %:

C	Mn	Si	S	P
≤0.12	0.3 – 0.60	≤0.35	<0.035	<0.040

Packaging

In order to avoid various damages that can occur during the shipping and handling process, we package the rods in a compact box.

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