

## Stick Electrode for Mild Steel

# KT-7

### Classification

AWS A5.1/A5.1M	-
JIS Z3211	E4303
EN ISO 2560-A	E35 0 RB 1 2
GB T5117	E4303

Coating Type: Lime Titania

### Applications and Features

- (1) KT-7 is a lime titania type electrode for mild steel.
- (2) High current available, good crack resistance, and superior mechanical properties.
- (3) Easy strike and re-strike, stable arc, low spatter, good weld puddle fluidity, easy slag removal, deep penetration, and good bead appearance.
- (4) Ideal for tack welding and welding of light steel structure, automotive, and building structures.

### Welding Position



### Welding Instruction

Please see Appendix A

### Typical Weld Metal Composition (wt%)

C	Si	Mn	P	S
0.07	0.18	0.45	0.015	0.012

### Typical Weld Metal Mechanical Properties

Tensile strength	Yield strength	Elongation	Charpy V-Notch	
N/mm <sup>2</sup>	N/mm <sup>2</sup>	%	°C	J
470	420	29	0	85

### Available Sizes and Welding Parameters (AC/DC ±)

Diameter (mm)	3.2	4.0	5.0	6.0	
Current (A)	F/HF	80~120	120~170	170~240	230~300
	V-up/OH	60~110	110~160	-	-