

## MT-52 Welding Electrode

The MT-52 welding electrode is designed for high-efficiency welding, featuring a titanium iron powder type coating. It is suitable for flat or fillet position welding and can be used with both AC and DC power sources.



### ADDITIONAL IMAGES

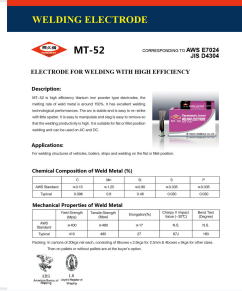


### Product Overview

#### High-Efficiency Welding Electrode

The MT-52 is a high-efficiency, titanium iron powder type electrode engineered for superior welding performance. It features a high melting rate of approximately 150%, providing excellent arc stability and minimal spatter for increased productivity. Designed for ease of use, it allows for simple slag removal and is suitable for both AC and DC power sources in flat or fillet welding positions.

## Technical Specifications



Technical specifications and performance data for the MT-52 welding electrode.

### Mechanical Properties

Property	Typical Value
Yield Strength	410 MPa
Tensile Strength	490 MPa
Elongation	27%
Charpy V Impact (-30°C)	67 J
Bend Test	180 degrees

### Typical Chemical Composition (%)

Element	Content
Carbon (C)	0.096%
Manganese (Mn)	0.8%
Silicon (Si)	0.46%
Sulfur (S)	0.030%
Phosphorus (P)	0.030%

### Compliance Standards

AWS E7024, JIS D4304

## Performance Metrics

### Key Performance Metrics

**150 %**

Melting Rate

## Usage & Applications

### Common Applications

- Vehicle structures
- Boilers
- Shipbuilding
- General welding

### Power Source Compatibility

AC, DC

### Suitable Welding Positions

Flat, Fillet

## Logistics

### Standard Packaging

Supplied in 20kg net weight cartons. The 2.5mm electrodes are packed as 8 boxes x 2.5kg, while other sizes are packed as 4 boxes x 5kg. Pallets are available as an optional add-on.