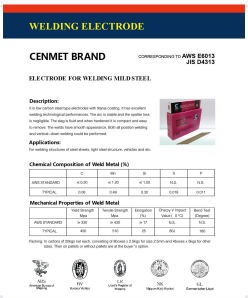
Welding Electrode Rod

Welding electrode rods provide excellent arc stability and are suitable for all-position welding. The slag is fluid and easy to remove, resulting in smooth welds.

ADDITIONAL IMAGES

Overview


WELDING ELECTRODE

CENMET BRAND

ELECTRODE FOR WELDING MILD STEEL

Description:

Application:

Chemical Composition of Weld Metal (%)

Mechanical Properties of Weld Metal

Comprehensive technical specifications including AWS E6013 compliance and mechanical test results.

High-Performance Mild Steel Welding Electrodes

These low carbon steel electrodes feature a specialized titania coating designed for superior welding performance. They provide a stable arc with negligible spatter loss and produce a fluid slag that is easy to remove once hardened. Engineered for versatility, they support all-position and vertical-down welding, making them ideal for steel sheets, light structures, and vehicle fabrication.

Technical Standards

Classifications & Approvals

ABS • BV • LR • NK • GL

International Standards	AWS E6013, JIS D4313

Mechanical Properties

Typical Mechanical Performance

450 MPa	510 MPa	25 %	80 J
Yield Strength	Tensile Strength	Elongation	Charpy V Impact (0°C)

Chemical Composition

Weld Metal Chemical Analysis

Element	AWS Standard (%)	Typical Value (%)
Carbon (C)	d 0.20	0.08
Manganese (Mn)	< 1.20	0.49
Silicon (Si)	< 1.00	0.30
Sulphur (S)	N.S.	0.018
Phosphorus (P)	N.S.	0.011

Physical Characteristics

Available Sizes

- 2.5mm x 300mm
- 3.2mm x 350mm

Applications

Recommended Use Cases

- Steel sheet structures
- Light steel structures
- Vehicle manufacturing
- All-position welding
- Vertical-down welding

Logistics & Packaging

Weight and Container Specs

Electrodes are packed in 20kg net cartons. For 2.5mm size, cartons consist of 8 boxes of 2.5kg each. For other sizes, cartons consist of 4 boxes of 5kg each. Palletized or non-palletized shipping is available based on buyer requirements.

Net Weight per Carton	20 kg