



E7016

LOW HYDROGEN STEEL WELDING ELECTRODE

TYPICAL APPLICATIONS

1. Heavy steel fabrication
2. Shipbuilding
3. Pressure vessels

CHARACTERISTICS

1. All positional welding, especially good at vertical up welding
2. Higher crack resistance and X-ray quality weld bead
3. CVN impact value at -30 °C as high as 150J

CHEMICAL COMPOSITIONS (Wt%), ALL WELD METAL, TYPICAL

C	Mn	Si	S	P
0.54	0.91	0.48	0.011	0.014

MECHANICAL PROPERTIES, ALL WELD METAL, TYPICAL

Condition	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)	Charpy V notch (J)
AW	562	453	29	-30 °C 150

Note:

- ① Re-drying it at 350 °C for 1-2 hours before using is necessary.
- ② Rust, oil, water, etc should be removed from the weld parts before welding.

SIZE AMPS

2.5mm 50-90A

3.2mm 90-130A

4.0mm 130-180A

5.0mm 180-240A

CLASSIFICATION

AWS A5.1 E7016
6, EN ISO: 2560-A E 42 3 B 1 2

PACKING SPECIFICATION

*1kg PE bag
*5kg Cardboard Box

CURRENT TYPE

AC/DC+

AVAILABLE SIZES (DIA./LENGTH)

2.5mm*350mm
3.2mm*350mm
4.0mm*400mm
5.0mm*400mm

EQUIVALENT TO

Lincoln Easyarc 7016
Esab OK 53.16
Hyundai S-7016.H
Kobelco LB52-U