



### TYPICAL APPLICATIONS

- 1, Welding high tensile alloys to high temperature heat-resisting alloys
- 2, Welding of high yield steels and abrasion resisting steels and dissimilar steels

### CHARACTERISTICS

- 1, Welding dissimilar joints
- 2, Highly resistant to weld metal cracks and fissures
- 3, Strong arc force
- 4, Faster travel speed

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

C	Mn	Si	S	P	Cr	Ni	Mo
0.12	1.35	0.58	0.003	0.02	28.8	9.5	0.21

### MECHANICAL PROPERTIES, ALL WELD METAL, TYPICAL

Condition	Tensile Strength (Mpa)	Elongation (%)
AW	605	26

### CURRENT TYPE

AC/DC+

Note:

- 1, Be baked for 1 hour at 300-350 C before using
- 2, Welding in short arc, and swing scope should not exceed 2.5 times of the electrode dia.

SIZE	AMPS
2.5mm	60-80A
3.2mm	80-120A
4.0mm	100-150A
5.0mm	140-180A

# E312-16

DISSIMILAR STAINLESS STEEL  
WELDING ELECTRODES

### CLASSIFICATION

AWS A5.4 E312-16  
EN ISO3581-A-E25 20R

### PACKING SPECIFICATION

\*2kg Plastic Tube  
\*5kg Plastic Tube

### AVAILABLE SIZES (DIA./LENGTH)

2.5mm\*350mm  
3.2mm\*350mm  
4.0mm\*350mm  
5.0mm\*350mm

### EQUIVALENT TO