FOR HEAT-RESISTING STEEL

Typical applications

Welding of super-heater tubes of high temperature and high pressure boilers, heater tubes of oil refining equipments.

Coating

Low hydrogen type.

Characteristics on Usage

- ① Preheat at 250~400℃ and postheat treat at 730~780℃ because of high self-hardening property of the deposited weld metal.
- ② Redry the electrode at 300~350°C for 60 minutes prior to use.

Typical chemical composition of all-weld-metal (%)

С	Si	Mn	Cr	Мо
0.08	0.74	0.98	8.48	0.90

Typical mechanical properties of all-weld-metal

Temp.	Y · P N/mm²{kgf/mm²}	T · S N/mm²{kgf/mm²}	EI (%)	PWHT
R.T	480 {49}	570 {58}	30	850℃×1hr. S·R
500℃	440 {45}	490 {50}	8	

Sizes available and recommended currents (AC or DC ⊕)

Dia.	(mm)	2.6	3.2	4.0	5.0	6.0
Length	(mm)	350	350	400	400	450
Amp.	F	55~90	75~115	120~160	160~220	210~260
	V&OH	50~60	70~110	90~150	_	-

Welding positions











Approved by