

**Classifications**

EN ISO 14172:2015 E Ni 6182  
AWS A5.11:2010 ENiCrFe-3

KS B ISO 14172:2015 E Ni 6182  
JIS Z 3224:2010 E Ni 6182

**Description**

- Covering is low hydrogen type for welding of Ni-Cr-Fe alloy steel (Inconel 600, 601) or different materials, such as Inconels, Inconel and low alloy steels, stainless steels and low alloy steels.
- KNCF-A82 makes safety welding with good weldability and usability.
- Excellent heat resistance, corrosion resistance and mechanical quality of all weld metal.
- Redry the electrode at 300~400°C for 1~2 hours prior to use.

**Welding positions****Typical chemical composition of all-weld metal (%)**

C	Si	Mn	P	S	Fe	Ni	Cr	Ti	Nb+Ta
0.02	0.57	5.57	0.010	0.004	7.32	Rem.	15.27	0.12	2.16

**Typical mechanical properties of all-weld metal**

	Y.S (MPa)	T.S (MPa)	El. (%)	Remarks
AWS A5.11		min. 550	min. 30	
EN ISO 14172	min. 360	min. 550	min. 27	
Example	510	660	48	AW

\* AW : As-Welded

**Sizes available and recommended currents (DC+)**

Dia.	(mm)	2.6	3.2	4.0	5.0
Length	(mm)	300	300	350	350
Amp. (A)	F V-OH	60~80 50~70	80~120 70~100	120~150 100~140	150~180