

Rev. 00

S-NCI

COVERED ARC WELDING ELECTRODE FOR REPAIRING CAST IRON AND JOINING OF VARIOUS CAST IRON PRODUCTS

HYUNDAI WELDING CO., LTD.

			S-NCI
Specification	AWS A5.15	ENI-CI	
	JIS Z3252	DFC NI	
	EN ISO 1071	ENiG4	
Applications	cast iron products suc	or repairing cast iron and join ch as cylinder covers, motor ite, alloy and malleable cast	beds, casings and gears.
Characteristics on Usage	Hardening of heat affe	rpe coated electrode, deposi ected zone is small and mac Therefore it is suitable parts	chining of the welds is
Note on Usage	 There is a possibil repairing part. Keep the weld met Adopt back steppin The preheat temp 	al completely at the repairing pa lity that cracks spreads or make cal length less than 50mm(2inch ng stone or symmetry method b eratures vary in accordance wit 150 °C (302°F) is appropriate in	es holes at both ends of n) to disperse welding heat. by turns. th the size, kind and shape

Mechanical Properties & Chemical Compositions of all-Weld Metal

Typical Chemical Composition of All-weld Metal(wt%)

С	Si	Mn	Р	S	Ni	Fe
1.38	0.79	0.36	0.004	0.003	98.3	0.58



Preheat & Interpass Temp. ℃(°F)	Hardness (HRB)
-	77.6

*Available sizes and Recommended Current

Diameter, mm(in)		2.6 (3/32)	3.2 (1/8)	4.0 (5/32)
Length,	mm(in)	300(12)	350(14)	350(14)
Recommended current range (AC or DC+)	Flat (1G-PA)	50~80	80~130	110~160

This information is provided solely for the purpose of confirming product conformance with applicable standards. The serviceability of a product or structure utilizing this type of information is and must be the sole responsibility of the builder/user. Many variables beyond the control of HYUNDAI WELDING CO., LTD. affect the results obtained in applying this type of information. These variables include, but are not limited to, welding procedure, shielding gas, plate chemistry and temperature, weldment design, fabrication methods and service requirements.