

Coreshield 8Ni1

AWS A5.29 E71T8-Ni1 / JIS Z3313 YFW-S503B

Description

- Coreshield 8Ni1 is a self-shielded flux cored wire designed to produce welds with outstanding impact toughness at temperatures as low as -60°F (-51°C). It is suitable for all position welding and is especially suited for making root passes or handling poor fit up. It should only be run on DCEN (electrode negative).

Flux
CORED
WIRES

Application

- Coreshield 8Ni1 should be used for welding offshore structures, bridges, storage tanks, and other applications where excellent impact toughness is specified and where self-shielding provides an advantage.

Typical Mechanical Properties of All Weld Metal

Yield Point N/mm ² {kgf/mm ² }	Tensile Strength N/mm ² {kgf/mm ² }	Elongation (%)	Impact Value J(kgf · m)	
			-30°C	-50°C
421 {43}	539 {55}	29	122 {12.4}	89 {9.1}

Typical Undiluted Weld Metal Analysis %

C	Mn	Si	Ni	P	S	Al
0.05	1.08	0.30	0.97	0.010	0.002	0.74