Solid wire corrosion resistant steel

Classifications				
AWS A5.28	EN ISO 14341-A			
ER80S-G	G42 4 M GO			

Characteristics and typical fields of application

Solid wire for single or multipass welding of corrosion resistant steels such as Corten with Ar-CO2 shielding gas. The exceptional mechanical properties of this wire make it suitable also for welding high yield strength steels.

Base materials

EN 10025-5: S235J0W - S235J2W - S355J0WP - S355J2WP - S355J0W - S355J2W - S355K2W

Typical analysis of solid wire (wt%)							
С	Mn	Si	Р	S	Cr	Ni	Cu
0.10	1.40	0.80	<0.025	<0.025	0.40	0.85	<0.40

Structure: Austenite with small amount of ferrite

Mechanical properties of all-weld metal

Heat- treatment	Yield strength R _P			Impact work ISO-V KV J
	MPa	MPa	%	-40°C
aw	440	550-660	22	47

Operating data

