

diamondspark X70 RC-Pipe

Flux-cored wire, seamless, for automatic pipeline welding, rutile type

Classifications							
EN ISO 18276-A		EN ISO 18276-B		AWS A5.29 / SFA-5.29			
T 55 5 Mn1.5Ni P M21 1 H5		T 62 5 T1-1M21A-I	T 62 5 T1-1M21A-N3M1-UH5		E91T1-K2M-JH4		
Characteristics	and typical fields o	of application					
Seamless rutile, Nickel-manganese alloyed, flux-cored wire for singleor multilayer welding of carbon, carbon-manganese steels and high strength steels with $Ar-CO_2$ shielding gas. Main features: excellent weldability in all positions, excellent bead appearance, very low spatter losses, fast freezing and easy to remove slag. The exceptional mechanical properties of this wire even at low temperatures as well as the low content of diffusible hydrogen make it especially suitable for pipeline applications.							
Base materials							
API 5L: X70, X80 EN 3183: L485, L555							
Typical analysis							
Gas		С	Si		Mn	Ni	
wt%	M21	0.06	0.40		1.45	1.45	
Mechanical properties of all-weld metal - typical values (min. values)							
Condition	Yield strength R _e	Tensile strength R _m	Elongation A (L ₀ =5d ₀)		Impact energy ISO-V KV J		
	MPa	MPa	%		-40°C	-50°C	
u	630 (≥ 550)	700 (640–760)	22 (≥ 18)		70	60 (≥ 47)	
u untreated, as welded - shielding gas M21 (Ar + 15 - 25 % C02)							
Operating data							
<u> </u>	Polarity	DC +	DC +		Dimension mm		
Polarity Shielding gas (EN ISO 14175)		M21: Ar + 15 – 25	M21: Ar + 15 - 25 % CO2		1.2		
Welding with standard GMAW-facilities possible							
Approvals							