



Solid wire, high-alloyed, austenitic stainless, creep resistant

EN ISO 14343-A						AWS A5.9 / SFA-5.9				
G 19 9 H					ER19-10H	ER19-10H				
Characteristi	cs and ty	pical fields o	of applicati	on						
Solid wire of G 1 grades. Creep re								resista	ant steel and cast steel	
Base materia	ls									
1.4948 - X6CrNi AISI 304H, 321H		878 - X8CrNiTi	18-10; 1.494	0 - X7CrNi	Ti18-10; 1.4912	- X7CrN	iNb18-10			
Typical analy	sis									
	С		Si		Mn	Мn			Ni	
wt%	0.05	0.05		0.3			18.8		9.3	
Mechanical p	roperties	of all-weld	metal - typ	oical valu	es (min. value	es)				
Condition		Yield strength	R _{00.2}	Tensile str	rength R _m	Elongation A (L ₀ =5d ₀)		Im	pact energy ISO-V KV J	
		MPa		MPa		%		20	20°C	
u		390 (≥ 350)		590 (≥ 550)		35 (≥ 30)		70	70 (≥ 47)	
u untreated, as-	welded - s	hielding gas Ar	+ 2.5% CO ₂							
Operating dat	ta									
× † †	Polarity	Polarity		DC+		Dime	Dimension mm			
		Shielding gas (EN ISO 14175)		M11 M12 M13		0.8	0.8			
	(EN ISO					1.0				
						1.2				

Creep rupture properties according to matching high temperature steels / alloys.

Shielding gas: Ar + 2 - 3% CO₂

Approvals

TÜV (19689), CE