

Classifications							
EN ISO 14343-A				Mat. No.			
G Z 22 17 8 4 N L				1.3954			
Characteristics and typical fields of application							
Non magnetic; stainless; resistant to intercrystalline corrosion and wet corrosion up to 350 °C (662 °F). Seawater-resistant. Cold toughness at subzero temperatures. Specially for joining and surfacing work on matching / similar non magnetic CrNiMo(Mn,N) steels/cast steel grades.							
Base materials							
1.3948 – X4CrNiMnMoN19-13-8		1.3951 – X2CrNiMoN22-15					
1.3952 – X2CrNiMoN18-14-3		1.3953 – X2CrNiMo18-15					
1.3964 – X2CrNiMnMoNNb21-16-5-3		1.4439 – X2CrNiMoN17-13-5					
Typical analysis of solid wire (wt.-%)							
	C	Si	Mn	Cr	Mo	Ni	N
wt-%	0.03	0.70	7.3	22.2	3.6	18.0	0.24
Structure: Austenite, no ferrite							
Mechanical properties of all-weld metal							
Heat-treatment	Yield strength R _{p0.2}	Yield strength R _{p1.0}	Tensile strength R _m	Elongation A (L ₀ =5d ₀)	Impact work ISO-V KV J		
	MPa	MPa	MPa	%	+20 °C		
aw	430	460	640	30	70		
Operating data							
Polarity: DC (+)		Shielding gas: (EN ISO 14175) M12, (z.B. ArHeC-15/2)		ø (mm) 1.0 1.2		Spool: B300 B300	
Welding instruction							
Materials				Preheating		Postweld heat treatment	
Matching / similar non magnetic steels/cast steel grades				None		None	
Approvals							
GL, WIWEB							