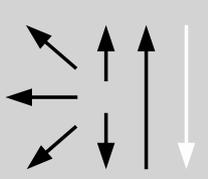


Classifications							
EN ISO 3581-A	AWS A5.4	Mat. No.					
E 19 9 H B 2 2	E308H-15	≈1.4948					
Characteristics and typical fields of application							
High temperature resistant up to 700 °C (1292 °F); resistant to scaling up to 800 °C (1472 °F). For surfacing and joining applications on matching / similar high temperature resistant steels / cast steel grades.							
Characteristics and typical fields of application							
TÜV certified parent metals 1.4948 – X6CrNi18-11; 1.4878 – X12CrNiTi18-9 1.4550 – X6CrNiNb18-10; AISI 304, 304H, 321H, 347H							
Typical analysis of all-weld metal (wt.-%)							
	C	Si	Mn	Cr	Ni		
wt-%	0.05	0.3	1.6	18.5	9.5		
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	350	390	550	35	70		
Operating data							
	Polarity: DC (+)	ø (mm)	L mm	Amps A			
				2.5	300	55 – 80	
				3.2	350	80 – 105	
				4.0	350	90 – 135	
				5.0	450	150 – 190	
Welding instruction							
Materials	Preheating	Postweld heat treatment					
Matching / similar steels / cast steel grades	Up to 25 mm wall thickness: none. Over 25 mm wall thickness: max. 200 °C (392 °F) advisable	Up to 25 mm wall thickness: none. Over 25 mm wall thickness: to avoid stress corrosion cracking 1050 °C (1922 °F) / air					
Approvals							
TÜV (01526), CE							