EZ - TIG 347 Si

CLASSIFICATION

HRN EN ISO 14343-A	AWS / ASME SFA-5.9	W. Nr.
W 19 9 Nb Si	ER347Si	1.4551

DESCRIPTION AND APPLICATION

Stabilized austenitic stainless steel solid rod for TIG welding of stabilized 18/9 CrNi steel, boilers and equipment in the chemical and pharmaceutical industry. The rod is stabilized with niobium which increases resistance to intergranular corrosion. Higher silicon content improves welding properties such as wetting. Rod is recommended for welding parts whose operating temperature does not exceeds 400°C.

Steel grade	DIN (W. Nr.)
High alloy stainless steels	X5 CrNi 18 10 (1.4301) X2 CrNi 19 11 (1.4306) G-X6 CrNi 18 9 (1.4308) G-X5 CrNiNb 18 9 (1.4552) X6 CrNiNb 18 10 (1.4550) X6 CrNiTi 18 10 (1.4541)

MECHANICAL PROPERTIES OF THE ALL-WELD METAL

$R_{p0.2}$ N/mm²	R_m N/mm²	A_5 %	KV (+20°C) J
> 350	> 550	> 25	≥ 60

APPROXIMATE CHEMICAL COMPOSITION OF THE ROD

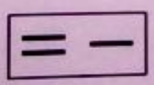
	C	Mn	Si	Cr	Ni	Nb
%	≤ 0,05	1,3	0,8	19,0	9,0	0,70

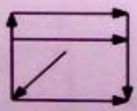
SHIELDING GAS

I1 (Ar)

PACKAGING

Rod diameter mm	Rod length mm	Weight of packaging kg
1,2; 1,6; 2,0; 2,4; 3,2	1000	5





Marking: **ER 347 Si / 1.4551**