

EZ - TIG 310

CLASSIFICATION

EN ISO 14343-A	AWS / ASME SFA-5.9	W. Nr.
W 25 20	ER310	1.4842

DESCRIPTION AND APPLICATION

Austenitic solid rod for TIG welding of heat resistant austenitic steels of the 25/20 CrNi types. Weld metal has good oxidation resistance especially at high temperatures due to its high Cr content. Weld metal is heat resistant to temperatures up to 1200°C.

Steel grade	HRN	DIN (W. Nr.)	ASTM / AISI	EN / ISO
High alloyed	Č 4578	X15 CrNiSi 25 20 (1.4841)	310 / 314	X15CrNiSi25-21
heat resistant	-	X12 CrNi 25 21 (1.4845)	310 S	X8CrNi25-21
stainless steels	-	G-X15 CrNi 25 20 (1.4840)	-	GX15CrNi25-20
	-	X7 CrNi 23 14 (1.4833)	-	X12CrNi23-13
	Č 4586	X20 CrNiSi 25 4 (1.4821)	327	X15CrNiSi25-4
	-	G-X 40 CrNiSi 22 9 (1.4826)	-	GX40CrNiSi22-9
	-	G-X 25 CrNiSi 20 14 (1.4832)	-	GX25CrNiSi20-14
	ČL 4577	G-X 40 CrNiSi 25 12 (1.4837)	-	GX40CrNiSi25-12

MECHANICAL PROPERTIES OF THE ALL-WELD METAL

R _{p0.2} N/mm ²	R _m N/mm ²	A ₅ %	KV (+20°C) J
> 350	> 550	> 20	≥ 120

APPROXIMATE CHEMICAL COMPOSITION OF THE ROD

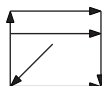
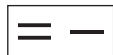
	C	Mn	Si	Cr	Ni
%	≤ 0,1	1,7	0,4	25,6	21,0

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 310 / 1.4842