

Stainless Steel Gas Shielded Welding Wire



ELOX SG 308 L Si

Standards :

TS EN ISO 14343-A :	G 19 9 L Si
EN ISO 14343-A :	G 19 9 L Si
AWS A5.9 :	ER 308 L Si

Chemical Composition of Welding Wire % (Typical) :

C	Si	Mn	Cr	Ni
<0.02	0.8	1.7	20.4	10.2

Mechanical Properties (MIG) :

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Impact Strength (ISO-V/+20°C)	Elongation (L ₀ =5d ₀)(%)
min. 350	520 - 660	min. 63 J	min. 35

Typical Base Material Grades :

* X2 CrNi 19 11, X5CrNi 18 10, X6 CrNiTi 18 10, X6 CrNiNb 18 10, X2 CrNiN 18 10, X10 CrNiNb 18 10, 304, 304L, 304 LN, 321, 347, A 320 B 8 C, A 320 B 8 D

Features and Applications :

- * MIG welding of 13% Cr ferritic stainless steels, high-carbon steels of type 304 or stabilized steels of type 347, or steels of similar types, used in industries of drug, cellulose, paper, and food (production).
- * Ar+ %2.5 O₂ or Ar+ %2.5 CO₂ mixed gas is used as shielding gas.
- * Maintenance of ductile behavior at temperature values down to -196 °C.
- * Maintenance of resistance to intergranular corrosion at temperatures up to 350 °C.

Welding Positions :



Current Type :

MIG D.C.(+)

Operating Data :

Diameter x Length (mm)	Diameter x Length (inch)	Weight Kg	Package Type
0.8	0.030"	12.5	D 300
1.0	0.040"	15	K 300
1.2	0.047"	15	

Approvals :

GOST-R, SEPRO