

Stainless Steel Gas Shielded Welding Wire



ELOX SG 316 L Si

Standards :

TS EN ISO 14343-A :	G Z 19 12 3 L Si
EN ISO 14343-A :	G Z 19 12 3 L Si
AWS A5.9 :	ER 316 L Si

Chemical Composition of Welding Wire % (Typical) :

C	Si	Mn	Cr	Ni	Mo
0.02	0.80	1.6	18.5	11.5	2.2

Mechanical Properties (MIG) :

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Impact Strength (ISO-V/+20°C)	Elongation (L _o =5d _o)(%)
min. 400	550 - 700	min. 63 J	min. 30

Typical Base Material Grades :

X2 CrNiMo 18 14 3, X5 CrNiMo 17 13 3, X2 CrNiMo 17 13 2, X5 CrNiMo 17 12 2, X6 CrNiMoTi 17 12 2, X6 CrNiMoNb 17 12 2, X2 CrNiMoN 17 13 3, X2 CrNiMoN 17 12 2, 316, 316 Cb, 316 L, 316 Ti.

Features and Applications :

- * MIG welding of 13% ferritic stainless steels, high-carbon or stabilized stainless steels of type 316 and low-carbon stainless steels of type 316 L, used in machinery and equipment parts of production plants for food, chemical, drug, textile and similar kinds of industries.
- * As shielding gas, Ar+ %2.5 O₂ or Ar+ %2.5 CO₂ mixed gas is used.
- * Maintenance of resistance to intergranular corrosion at temperature values up to 400 °C.
- * Resistance to low temperatures varying at values down to -196°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 K 300
1.0	0.040"	15	
1.2	0.047"	15	

Approvals :

GOST-R, SEPRO