ELOX SG 309 L Si

Standards

TS EN ISO 14343-A	: G 23 12 L Si
EN ISO 14343-A	: G 23 12 L Si
AWS A5.9	: ER 309 L Si

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn	Cr	Ni
0.03	0.80	1.80	23.5	13.0

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Impact Strength (ISO-V/+20 °C)	Elongation ($(L_o=5d_o)$ (%))
min. 320	min. 520	min. 47 J	min. 30

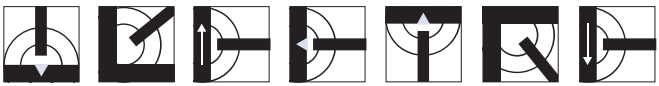
Typical Base Material Grades

- Ferritic Cr and austenitic CrNi steels, austenitic manganese steels, unalloyed high strength steels, high temperature steels.

Features and Applications

- Applicability on ferritic Cr or austenitic CrNi steels, austenitic manganese steels, unalloyed high-strength steels, heat-treated steels
- Usability in welding austenitic stainless steels, in joint- welding of different kinds of metals, in buffer layers, in joint-welding of corrosion-resistant stainless steels to each other or to low-alloyed steels, and in welding coated steels
- Ar+ %2.5 O_2 or (Ar+%2.5 CO_2) gas is used as shielding gas

Welding Positions



Current Type

MIG D.C.(+)

Operating Data

Product Code	Diameter (mm) / (inch)		Weight (Kg)	Package Type
6011100383	0.8	0.030”	12.5	BS 300
6011100331	1.0	0.040”	15	BS 300
6011100332	1.2	0.047”	15	BS 300

Approvals: CE, SEPRO