

Stainless Steel Gas Shielded Welding Wire



ELOX SG 309 L Si

Standards : _____

**Chemical Composition of Welding Wire
% (Typical) :**

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

| | | | | |
|------|------|------|------|------|
| C | Si | Mn | Cr | Ni |
| 0.03 | 0.80 | 1.80 | 23.5 | 13.0 |

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. 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 O₂ or (Ar+%2.5 CO₂) gas is used as shielding gas.

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/K 300 |
| 1.0 | 0.040" | 15 | |
| 1.2 | 0.047" | 15 | |

Approvals : _____

GOST-R, SEPRO