

# Stainless Steel Gas Shielded Welding Wire



## ELOX SG 307

**Standards :**

TS EN ISO 14343-A :	G 18 8 Mn
EN ISO 14343-A :	G 18 8 Mn
TS EN ISO 14343-A :	W 18 8 Mn
EN ISO 14343-A :	W 18 8 Mn
AWS A5.9 :	-ER 307

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

C	Si	Mn	Cr	Ni
0.08	0.9	7.0	19.2	9.0

**Mechanical Properties (TIG) :**

Yield Strength (N/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Impact Strength (ISO-V/+20°C)	Elongation (L <sub>0</sub> =5d <sub>0</sub> )(%)
min. 370	580 - 750	min. 63 J	min. 30

**Features and Applications :**

- \* Filler welding of high-strength low-alloyed and alloyed heat-treatable steels, armor steels, steels including 14 % Mn, ferritic chromium steels, heat-resistant steels, non-magnetic steels etc.
- \* Joint welding of different types of steels with each other.
- \* Filler welding of abrasion-resistant steels for valves and turbines.
- \* As shielding gas, argon is used at TIG welding, where as Ar+ %2.5 O<sub>2</sub> or Ar+ %2.5 CO<sub>2</sub> mixed gas is used at MIG welding.

**Welding Positions :**

**Current Type :**

- TIG D.C.(-)
- MIG D.C.(+)

**Operating Data :**

Diameter x Length (mm)	Diameter x Length (inch)	Weight Kg	Package Type
1.6 x 1000	1/16 x 39"	5	Plastic Box
2.0 x 1000	5/64 x 39"	5	
2.4 x 1000	3/32 x 39"	5	
3.2 x 1000	1/8 x 39"	5	
0.8	0.030"	12.5	D 300 K 300
1.0	0.040"	15	
1.2	0.047"	15	
1.6	0.062"	15	

**Approvals :**

GOST-R, SEPRO