ELOX SG 410

Standards

TS EN ISO 14343-A	: G/W 13
EN ISO 14343-A	: G/W 13
AWS A5.9	: ER 410

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn	Cr
0.10	0.35	0.50	13.0

Mechanical Properties (MIG)

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Elongation ($(L_o=5d_o)$ (%)	Heat Treatment
min. 250	min. 520	min. 20	840 °C - 870 °C/2h

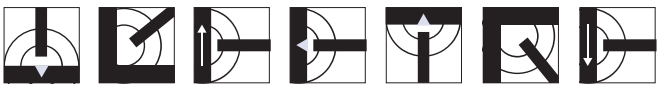
Typical Base Material Grades

- X 6 CrTi 17, X 20 CrNi 17 2, 431, 430 Ti
- AISI: 431, 430Ti

Features and Applications

- Preferred use in formation of surfaces resistant to corrosion, wear, and heat.
- Maintained hardness at temperatures of up to 500°C
- Resistance to formation of oxide layers at temperatures up to 900°C
- Reqiured use of Ar+ %2.5 O_2 or Ar+ %2.5 CO_2 mixed gas as shielding gas
- For TIG; Ar gas as shielding

Welding Positions



Current Type

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

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Weight (Kg)	Package Type
6011100365	1.0	0.040”	15	BS 300
6011100375	1.2	0.047”	15	BS 300
6011100196	2.40 x 1000	3/32 x 39”	5	Plastic Box

Approvals: CE, SEPRO