

TI 308LSi

TIG Welding Wire - Stainless Steels

Standards

AWS/ASME SFA - 5.9	ER308LSi
EN ISO 14343 - A	W 19 9 LSi
TS EN ISO 14343 - A	W 19 9 LSi

Properties and Applications

Austenitic stainless steel welding rod for GTA (TIG) welding of unstabilized or stabilized corrosion resisting Cr-Ni steels. Used in tank, pipe, equipment welding in food, beverage, chemical and pharmaceutical industries. Therefore, the increased Silicon (Si) promotes weld pool fluidity and smoother weld bead appearance. Resistant to intergranular corrosion up to 350°C. Non-scaling up to 800°C, in air or oxidizing combustion gases.

Typical Chemical Features of the Welding Wire

Type of Analysis	C	Si	Mn	Cr	Ni
Welding Wire	0.02	0.80	1.80	19.75	10.50

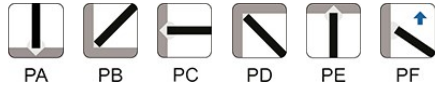
Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)	Charpy V-Notch Properties (J)	
As welded	I1	420	560	36	20°C → 195	-196°C → 50

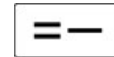
* Chemical composition and mechanical properties are valid when using shielding gas.

Application Information

Welding Positions



Polarity:



Protection Gas:

I1

Welding Parameters & Efficiency

Diameter x Length (mm)
1.60x1000
2.00x1000
2.40x1000
3.20x1000

Packaging Information

Product Code	Diameter x Length (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
23115GBKM2	1.60x1000	5 kg	5.30	4	21.40	Cardboard Tube
23115GGKM2	1.60x1000	5 kg	5.30	4	21.40	Plastic Box
23115HBKM2	2.00x1000	5 kg	5.30	4	21.40	Cardboard Tube
23115HGKM2	2.00x1000	5 kg	5.30	4	21.40	Plastic Box
23115IBKM2	2.40x1000	5 kg	5.30	4	21.40	Cardboard Tube
23115IGKM2	2.40x1000	5 kg	5.30	4	21.40	Plastic Box
23115LBKM2	3.20x1000	5 kg	5.30	4	21.40	Cardboard Tube
23115LGKM2	3.20x1000	5 kg	5.30	4	21.40	Plastic Box

Storage & Re-Drying Information

Shouldn't be exposed to high statical load and impact.