



MWT 308LSi

Stainless Steel MIG Welding Wire – AWS A5.9/ASME SFA-A5.9: ER308LSi

Key Benefits

- Excellent welding properties and weld bead appearance
- Added Silicon level for increased weld puddle fluidity and toe wetting.
- Low carbon content reducing risk for intergranular corrosion
- Exceptional performance at high wire feed speeds

Typical applications

- 304 and 304L stainless steels
- Austenitic stainless steels of 18% Cr and 8% Ni grade
- ASTM A743 and A744 Types CF-8 and CF-3

Conformity and Approvals

AWS A5.9:	ER308Si, ER308LSi
ASME SFA-A5.9:	ER308Si, ER308LSi
CWB/CSA W-48-14:	ER308LSi
EN ISO 14343-B:	SS308LSi
ABS:	E308Si, ER308LSi
ISO 14343-2009	SS308LSi

Welding Positions

All

Shielding Gas

100% Ar
Flow rate: 8-16 CFH

Wire Composition as per AWS A5.9/A5.9M ER308LSi

Requirements - AWS ER308LSi Typical Wire Composition	%C	%Mn	%Si	%S	%P
	0.03 max. 0.019	1.0-2.5 1.72	0.65-1.00 0.86	0.03 max. 0.011	0.03 max. 0.026
Requirements - AWS ER308LSi Typical Wire Composition	%Cr	%Ni	%Mo	%Cu	%N ₂
	19.5-22.0 19.64	9.0-11.0 9.22	0.75 max. 0.080	0.75 max. 0.005	- 0.087

Mechanical Properties as required per AWS A5.9/A5.9M ER308LSi

	Yield Strength MPa (ksi)	Tensile Strength MPa (ksi)	Elongation (%)	Impact Energy (J)		FN (WRC-1992)
Typical Results (all weld metal) As Welded	470 (68)	640 (93)	34	+20°C	-196°C	10
				140	80	

Ordering Information

Product Number	Product (AWS Specification)	Dimension mm/inch	Single Pack Weight kg/lb	Box Weight kg/lb
MWT308LSI16	MWT 308LSi (ER 308LSi)	1.6 x 1000 mm (1/16")	5 kg (11.0 lb)	20 kg (44.0 lb)
MWT308LSI24	MWT 308LSi (ER 308LSi)	2.4 x 1000 mm (3/32")	5 kg (11.0 lb)	20 kg (44.0 lb)
MWT308LSI32	MWT 308LSi (ER 308LSi)	3.2 x 1000 mm (1/8")	5 kg (11.0 lb)	20 kg (44.0 lb)
MWT308LSI40	MWT 308LSi (ER 308LSi)	4.0 x 1000 mm (5/32")	5 kg (11.0 lb)	20 kg (44.0 lb)



Box (20.0 kg)



Single Pack (5.0 kg)