



# MWM 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

98% Ar / Balance O<sub>2</sub>  
Flow rate: 30-50 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 <sub>2</sub>
	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)
				+20°C	-196°C	
Typical Results (all weld metal) As Welded	470 (68)	640 (93)	34	140	80	10

**Ordering Information**

Product Number	Product (AWS Specification)	Dimension mm/inch	Single Pack Weight kg/lb	Box Weight kg/lb
MWM308LSI061	MWM 308LSi (ER308LSi)	0.6 mm (0.023")	1 kg (2.2 lb)	15 kg (33.0 lb)
MWM308LSI081	MWM 308LSi (ER308LSi)	0.8 mm (0.030")	1 kg (2.2 lb)	20 kg (44.0 lb)
MWM308LSI091	MWM 308LSi (ER308LSi)	0.9 mm (0.035")	1 kg (2.2 lb)	15 kg (33.0 lb)
MWM308LSI085	MWM 308LSi (ER308LSi)	0.8 mm (0.030")	5 kg (11.0 lb)	20 kg (44.0 lb)
MWM308LSI095	MWM 308LSi (ER308LSi)	0.9 mm (0.035")	5 kg (11.0 lb)	20 kg (44.0 lb)
MWM308LSI0815	MWM 308LSi (ER308LSi)	0.8 mm (0.030")	15 kg (33.0 lb)	15 kg (33.0 lb)
MWM308LSI0915	MWM 308LSi (ER308LSi)	0.9 mm (0.035")	15 kg (33.0 lb)	15 kg (33.0 lb)
MWM308LSI1215	MWM 308LSi (ER308LSi)	1.2 mm (0.045")	15 kg (33.0 lb)	15 kg (33.0 lb)

