



Nexus 308L/308LSi

19Cr 9Ni Low Carbon solid Stainless Steel wires for MIG and TIG welding applications

Austenitic 308 low carbon MIG/TIG wires for joining and overlaying materials of similar compositions. The 308LSi MIG wire has higher Silicon level which increases weld pool fluidity, producing mitre finish fillet welds with good toe blending and low spatter.

International Standards

	ISO 14343 - A - :2007	AWS A5.9-93
308L	W 19 9 L	ER 308L
308LSi	G 19 9 L Si	ER 308LSi

Typical Wire Analysis (wt%)

	C	Si	Mn	S	P	Cr	Ni	Mo
308L	0.012	0.4	1.9	0.002	0.02	19.5	10.5	0.05
308LSi	0.012	0.85	1.9	0.002	0.02	19.5	10.5	0.05

Typical All-Weld Metal Mechanical Properties

	Yield Strength N/mm²	Tensile Strength N/mm²	Elongation %	Impact Strength -196°C
308L	>380	~600	>35	>40
308LSi	>380	~600	>35	>35

Welding Positions

All Positions including vertical down
--

Materials

All 300 series Austenitic Stainless Steels, particularly AISI 304.

Packaging

Size mm	1.6	2.4	3.2
Plastic 5 kilo Tube	✓	✓	✓

Size mm	0.8	1.2	1.6
Metal spools 15 kilo	✓	✓	✓

Additional Information

Certification	BS EN 10204:2004 Type 3.1
Material safety data sheet	MSDS 02
BOC Shielding Gas MIG	Stainshield Light (<4mm) Universal (2-10mm) Heavy (>9mm)
BOC Shielding Gas TIG	Pureshield Argon Stainshield TIG <5mm
Related Nexus Products	Nexus E308L electrodes