



Nexus 307 Si

18Cr 8Ni 7Mn Stainless Steel solid wires for MIG welding applications

Austenitic 307 MIG wire for joining and overlaying materials of similar compositions. The 307 Si 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
G 18 8 Mn

Typical All-Weld Metal Analysis (wt%)

C	Si	Mn	S	P	Cr	Ni	Mo
0.015	0.95	7.0	0.02	0.025	18.5	8.5	0.3

Typical All-Weld Metal Mechanical Properties

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Hardness Hv
>460	~650	~30	140 - 200

Welding Positions

All Positions including vertical down

Materials

14% manganese (Hadfields) Steels and buffer layers prior to hardfacing

Packaging

Size mm	1.0	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)