



Nexus 310

25Cr 20Ni Stainless Steel solid wires for MIG and TIG welding applications

Fully austenitic 310 MIG/TIG wires for joining and overlaying materials of a similar composition. The MIG/TIG wires have excellent weldability with low levels of spatter.

International Standards

	ISO 14343 - A - :2007	AWS A5.9-93
TIG	W 25.20	ER 310
MIG	G 25.20	ER 310

Typical All-Weld Metal Analysis (wt%)

C	Si	Mn	S	P	Cr	Ni	Mo
0.11	0.4	1.6	0.001	0.002	25.0	20.0	0.2

Typical All-Weld Metal Mechanical Properties

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact Strength -196°C
>380	~600	~40	~60

Welding Positions

All Positions including vertical down

Materials

AISI 310 Fully austenitic and scale resistant up to ~1050°C for furnace applications.

Packaging

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

Size mm	1.0	1.2
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