



Nexus 625

Ni Cr Mo Nb Alloy wires for MIG and TIG welding applications

Nickel 625 Alloy solid wires for joining pipework, plate and vessel of similar composition. Also suitable for joining Alloys to steel, copper/nickel and other nickel alloys

International Standards

BS EN ISO 18274:2004	AWS A5.14-97
S Ni 6625 (NiCr22Mo9Nb)	ER NiCrMo-3

Typical Wire Analysis (wt%)

C	Si	Mn	Cr	Ni	Mo	Fe	Nb
0.025	0.3	0.4	21.0	Bal	9.0	<2.0	3.5

Typical Wire Mechanical Properties

Yield Strength N/mm²	Tensile Strength N/mm²	Elongation %	Impact Strength +20⁰C / -196⁰C
>450	>700	>30	>65J / >45J

Welding Positions

All Positions including vertical down
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Materials

Inconel 625, 800,825 Avesta 254SMo, ASTM B444&B446 UNS N06625
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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 10
BOC Shielding Gas MIG	Stainshield Light (<4mm) Universal (4-10mm) Heavy (>10mm)
BOC Shielding Gas TIG	Pureshield Argon or Alushield Universal