



Nexus 1CrMo

1.5CrMo wires for MIG and TIG welding creep resisting steels

Low alloy copper coated solid MIG/TIG wires for joining and overlaying materials of similar compositions at temperatures up to 550°C

International Standards

	BS EN ISO 12070:1999	AWS A5.28- 05
TIG	W CrMo1Si	ER80S-G
MIG	G CrMo1Si	ER80S-G

Typical Wire Analysis (wt%)

C	Si	Mn	S	P	Cr	Mo
0.10	0.60	1.00	0.011	0.012	1.20	0.52

Typical All-Weld Metal Mechanical Properties

	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact Strength -10°C
TIG	≥355	≥510	≥22	≥47J
MIG	≥355	≥510	≥20	≥47J

Welding Positions

All Positions including vertical down

Materials

13CrMo4.5

Packaging

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

Size mm	0.8	1.0	1.2
Metal spools 15 kilo	✓	✓	✓

Additional Information

Certification	BS EN 10204:2004 Type 3.1
Material safety data sheet	MSDS 11
BOC Shielding Gas MIG	Argoshield Light (<4mm) Universal (2-10mm) Heavy (>9mm)
BOC Shielding Gas TIG	Pureshield Argon