

## MIG-MAG Wires Stainless and Heat resistant steels

Inertfil 430 is a solid wire suitable for the welding of 15-17% Cr steels (AISI 430). These steels have been developed for air hardening and require pre-heating and stress relieving treatments in order to obtain sufficient ductility to allow mechanical working.

Classification	
AWS	A5.9: ER 430
EN	12072: G 17

Approvals	Grades

### Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.08	0.60	0.40	≤ 0.030	≤ 0.020	17	-	-	-	-	-	-

### All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation A5 (%)	Impact Energy ISO - V (J) 20°C	Hardness
PWHT 770°C x 2h	≥ 400	≥ 450	≥ 20	≥ 47	-

Gas test: Acc. To EN 439: M13(Cargal1)

**Shielding Gas:** Acc. To EN 439: M13(Cargal1)

### Materials

AISI 430

### Storage

Keep dry and avoid condensation

### Current condition and welding position

DC+



**Packaging data:** BS300 Kg. 15

Diameters	1,0	1,2				