

## 4130

**CATEGORY** GMAW-GTAW Solid wires

**TYPE** High strength low alloyed Chromium / Molybdenum filler metal.

**APPLICATIONS** Used in aeronautical sector, construction of connecting rods for automotive sector, fixing part, gears, bolts, axes etc..

**PROPERTIES** 4130 offers extreme high strength with excellent ductility and good weldability.

**CLASSIFICATION** AWS A 5.21: no standard  
AISI 4130  
DIN: W.Nr. 1.7218

**SUITABLE FOR** AISI 4130, 8630, 4140 and similar type of steels.

**APPROVALS** CE approved

**WELDING POSITIONS:** 

### WELD METAL ANALYSIS %

C	Si	Mo	Cr
0.30	0.3	0.20	1.00

### MECHANICAL PROPERTIES

Heat Treatment	R <sub>p0,2</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>5</sub> (%)	Impact Energy (J) ISO-V			Hardness HRc
				-20°C	-40°C	-60°C	
QT	1140	1170					36-40

QT: Quenched and tempered

### WELDING PARAMETERS / PACKING

D (mm)	Welding Parameters		spool type	Packing	
	Voltage (V)	Current (A)		kg / spool	kg / pallet
1.0	21-32	150-250	K/D 300	15	1080
1.2	24-34	210-310	K/D 300	15	1080

**REDRYING TEMPERATURE** not required

**TIG WELDING** 1000 mm cut lengths are available on request.