

QuFe14

(W.-Nr. special Alloy)

is suitable for layer welding of and repairs to warm working tools made from non-alloy or low-alloy steels. The weld can be used up to temperatures of 600°C. High resistance to corrosive mediums. A suitable alternative to Fe 13 when a lower C-content and a higher Cr-content, is required.

Recommended for:

1.2082, 1.2083, 1.2343, 1.2344, 1.2367-1.2606.

Rework

The weld can be annealed, nitrated, chrome-plated, CVD plated, polished and machined.

Material analysis in %

C	Si	Mn	Mo	Cr	Fe
0,06	0,4	0,3	0,5	5,3	Rest

(test certificates upon request.)

Standard/Mechanical Values

∅	N / mm ²	elongation AL100	Items on stock rods	spools
0,2			X	
0,3			X	
0,4			X	
0,5	845	1,6	X	
0,6	751	2,0	X	
0,7				
0,8				

Hardness after welding

∅	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

(The reported values were determined by the manufacturer and / or by a neutral Laboratory determined. For the accuracy we can not guarantee)