

# QuFe12

(W.-Nr.: 1.2567)

is suitable for layer welding of and repairs to warm-working tools made from low-alloyed and non-alloyed steels. The weld is stable at temperatures, has a high wear resistance and annealing durability.

The microstructure of the un-annealed weld is martensitic with remains of austenite and carbides.

### Recommended for:

1.2343, 1.2344, 1.2367 - 1.2606, 1.2764 – 1.2767

### Rework

The weld can be polished, nitrated, quench and heat – treatment possible.

### Material analysis in %

C	Si	Mn	Cr	V	W	Fe
0,3	0,3	0,3	2,3	0,5	4	Rest

(test certificates upon request.)

### Standard/Mechanical values

Ø	N / mm <sup>2</sup>	elongation AL100	Items on stock	
			rods	spools
0,2	-	-	-	-
0,3	-	-	-	-
0,4	987	2,10	X	X
0,5	815	2,30	X	X
0,6	002	6,00	X	X
0,7	-	-	-	-
0,8	-	-	-	-

### Hardness after welding

Ø	HRC	basic 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)