

## QuFe15

(W.-Nr. special Alloy)

is preferred for changes to and repairs of mould cavities made of tempered materials 1.2311,1.2312,1.2162 and 1.2738. It is option to Fe10/fe10Cr/Fe10NiMo because of different reactions to etching medium/acids.

### Recommended for:

1.2311, 1.2312, 1.2162, 1.2738

### Rework

The weld can be eroded, structured, polished, Chrome-plated, etched, nitrated, annealed and hardened.

### Material analysis in %

C	Si	Mn	Cr	Fe
0,1	0,6	1,1	1,94	Rest

(test certificates upon request.)

### Standard/Mechanical Values

∅	N / mm <sup>2</sup>	elongation AL100	Items on stock rods	Items on stock spools
0,2	-	-	X	X
0,3	-	-	X	X
0,4	1000	1,90	X	X
0,5	-	-	X	X
0,6	1058	2,90	X	X
0,7	1050	3,90	X	
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)