

QuFe30

(W.-Nr. 1.4718)

is universally applicable for buildups on structural parts Subject to high impact and medium abrasion.

Main applications are cutting tools and dies in the automobile industry.

Despite high hardness, the deposit is very tough, crack resistant and has excellent edge retention. Machining by grinding is possible.

Recommended for:

1.2080, 1.2379, 1.2436, 1.2601 and similar

Rework

The weld can be heat treated, nitrated, chrome-plated CVD coated and machined

Material analysis in %

C	Si	Mn	Cr
0,5	3,0	0,5	9,5

(test certificates upon request.)

Standard/Mechanical Values

∅	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2	1451	1,70	X	X
0,3	1399	1,90	X	X
0,4	1301	2,30	X	X
0,5	1396	2,60	X	X
0,6	1314	2,70	X	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)