

## QuFe20

(M.-No. ~1.2343) DIN EN 14700 S Fe 6

is used for highly wear resistant build-ups on machine parts and tools, subject to heavy abrasion and compression combined with moderate impact at elevated temperatures, such as slide, guide and sealing surfaces. Low wear when using fiber-glass re-enforced plastics.

Possible Hardness: 53 - 58 HRC.  
 Dependent on layers and hardness of the base material

### Recommendation for basic materials

1.2082, 1.2083, 1.2311, 1.2312, 1.2343, 1.2344, 1.2367, 2606, 1.2764 – 2767, 1.2842  
 1.2738, on multilayer coatings, cache coating with **QuFe65** / **QuNi26**

### Rework

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

### Material analysis in %

C	Si	Mn	Cr	Mo	Ti	Fe
0,35	0,3	1,2	7,0	2,2	0,3	Rest

(test certificates upon request.)

### Standard / Mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	N/mm <sup>2</sup>	
Tensile strength Rm	N/mm <sup>2</sup>	
Elongation A (Lo = 5do)	%	
Hardness untreated	HRC	53 - 58

### 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.  
 We cannot guarantee for the accuracy.