

QuFe51

EN 14700: S Fe 2; DiN 8555: MSG 2-GZ-500

is preferably used for repairing and building-up tasks. The welding material is abrasion-resistant and also when layer-welding, free from cracks.

The achievable hardness is approx. 50-53 HRC.
This is dependent upon the treatment and number of layers.

Recommendation for base materials:

Nitridable steel, case-hardened-steel, low and medium-alloyed heat-treatable-steel

Rework

Heat-treatable, nitridable, chrome-plateable

Material analysis in %

C	Si	Mn	Cr
1,1	0,5	2,0	1,9

(test certificates upon request.)

Standard / Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	
Tensile strength Rm	MPa	
Elongation A (Lo = 5do)	%	
Hardness untreated	HRC	50 - 53

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.