Data sheet

QuFe13 blank

EN 14700: S Fe 8; (M.-No. ~1.2367)

is due to the excellent hot wear resistance and toughness used for highly stressed hot working tools, which are simultaneously subjected to high mechanical, thermal and abrasive loads, such as forging dies and hammers. This alloy guaranties good stability besides corrosive processing plastic. Also free of cracks when multilayer welding.
Workable using carbide tools.
Achievable hardness is up to 42 – 46 HRC according to development and layer.
Can be hardened under certain conditions.

The weld is non copper-coated.

Recommendation for basic materials

1.2343, 1.2344, 1.2082, 1.2083, 1.2367, 1.2606

Rework

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

Material analysis in %

C	Si	Mn	Cr	Mo	Ti	Fe
0,25	0,5	0,7	5,0	4,0	0,6	Rest

(test certificates upon request.)

Standard / Mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	N/mm²	
Tensile strength Rm	N/mm²	
Elongation A (Lo = 5do)	%	
Hardness untreated	HRC	42 - 46

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.