

QuFe11

(M.-No. special alloy); DIN EN 14700 S Fe 13

is due to its excellent hot wear resistance and toughness used for tough, hot wear resistant build-ups on hot working tools and structural parts, which are subjected to impact, compression and abrasion at elevated temperatures, such as forging dies and hammers, die cast moulds, hot cutting knives, guides, vacuum chambers, continuous casting rolls.

Possible Hardness: 38 – 42 HRC.
Dependent on layers and hardness of the base material

Recommendation for

1.2343, 1.2344, 1.2367, 1.2606, 1.2764 – 1.2767

Rework

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

Material analysis in %

C	Si	Mn	Cr	Mo	Fe
0,1	0,4	0,6	6,5	3,3	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 ²	
Tensile strength Rm	N/mm ²	
Elongation A (Lo = 5do)	%	
Hardness untreated	HRC	38 - 42

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.