

QuFe23

DIN EN 17400: S Fe 3; DIN 8555 MSG 3-55 T (M.- No.: 1.2343)

is used for wear-resistant coatings on hot working steels and heat resistant tools for operating temperatures up to 550°C, for example for hot shear blades, bottom dies, die casting molds, etc.

Achievable hardness is up to 53 – 58 HRC depending on treatment and layer.

Recommendation for

1.2082, 1.2083, 1.2311, 1.2312, 1.2343, 1.2344, 1.2358, 1.2367, 2606, 1.2764 – 2767, 1.2842
1.2738, on multilayer coatings, cache coating with **QuFe65** / **QuNi26**

Rework

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

Material analysis in %

C	Si	Mn	Cr	Mo	V	Fe
0,38	1,0	0,4	5,0	1,1	0,45	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	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.