

QuFe53

EN ISO 14343-A W Z17MoH/GZ17MoH AWS A5.9 ER430 mod; M.- No.: 1.4122

The material is suitable for joining and building-up repairs to the same or similar stainless chrome steels and cast steels.

It is also suitable for application to sealing surfaces on gas, water and steam fittings made of non-alloyed steels and up to a working temperature of 450°C

Recommendation for

1.4122 and other similar 17% Chrome-Steels

Material analysis

C	Si	Mn	Mo	Cr	Ni
0,40	0,50	0,45	1,1	16,5	0,5

(Test certificates upon request)

Standard mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	550 after heat treatment 760° / 2h
Tensile strength Rm	MPa	750 after heat treatment
Elongation A (Lo = 5do)	%	12 after heat treatment
Hardness untreated	HRC	47 - 52

Following standard:

Laser welding wires

Rods: 333 mm / 1.000 mm special lengths upon request

Spools: 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.