

Qu4541

DIN EN 10088-3/5 1.4541 X6CrNiTi18-10; AISI 321; M.- No.: 1.4541

Instruments and building elements of the food industry, luxury food, film and photo industry as well as articles of daily use and power station construction.

The resistance against intercrystalline corrosion also in welded form is pretty good by the Ti-alloy.

Recommended for

1.4541

Rework

Material-typical treatment

Material analysis in %

C	Si	Mn	P	S	Cr	Ni	Ti
0,08	1,00	2,00	0,045	0,015	18,0	10,5	0,40

(test certificates upon request.)

Standard/Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	190
Tensile strength Rm	MPa	500
Elongation A (Lo = 5do)	%	30
Hardness untreated	HRC	215

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.