

QuNi40

EN ISO 18274: S Ni 2061 (NiTi3); AWS A5.14: ERNi-1; M.-No.: 2.4155

is suitable for joint and build-up welding on commercial pure nickel grades, including LC-nickel, nickel alloys and nickel clad steels. Such materials are employed primarily in the construction of pressed vessels and attachments, the chemical industry, in the food industry and for power generation, where good behavior under corrosion and temperature is demanded.

Repairs on GG-alloys conditionally possible.

Recommendation for

2.4060, 2.4061, 2.4066, 2.4068, mixed connections Nickel-Steel, cast iron (GG-GJL)

Rework

Material-typical treatment

Material analysis in %

C	Si	Mn	Fe	Ti	Ni
0,02	0,3	0,3	0,1	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	MPa	300
Tensile strength Rm	MPa	450
Elongation A (Lo = 5do)	%	25
Hardness untreated	HB	

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.