

QuNi25

DIN EN ISO 17274 S Ni 8065; M.-No. ~2.4858 AWS A 5.14 ERNiFeCR-; M.-No. ~2.4655

is used for joint and build-up welding of corrosion resistant steels as well as mixed connections. Application at fluid load of sulfuric acid and phosphoric acid dilution. Titanium stabilized

Ni25 is a full austenitic weld with high resistance against corrosion susceptibility by stress cracking and localized corrosion in chloric media. The weld is non-corroding in seawater.

Recommendation for

1.4500, 1.4529, 1.4539, 1.4563, 2.4619, 2.4858

Rework

Material-typical treatment

Material analysis in %

C	Si	Mn	Cr	Ni	Mo	Cu	Fe	Ti
<0,02	<0,5	0,9	21,5	42,0	3,0	2,0	Rest	1,0

(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	~ 550
Elongation A (Lo = 5do)	%	~ 30
Hardness untreated	HRC	

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.