

QuNi 24

(W.-Nr. 2.4831)

is suitable for welding similar high strength, high corrosion resistant nickel Based alloys. It is possible to join ferrite and austenitic steels and to build up steels. Because of its high elastic limit it is possible to use the wire when welding steel with 9% nickel content. The wire is mainly used for applications in the aerospace industry, the chemical industry as well as in salt water areas.

Recommended for:

1.4529, 1.4539, 2.4856, 2.4858

Rework

material-typical treatment

Material analysis in %

C	Si	Cr	Mo	Nb	Fe	Ni
< 0,03	0,25	22,0	9,0	3,5	1,0	Basis

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm ²	elongation AL100	Items on stock rods	Items on stock spools
0,2	-	-	-	-
0,3	106	3,60	X	X
0,4	1906	3,40	X	X
0,5	1736	3,30	X	X
0,6	-	-	-	-
0,7	-	-	-	-
0,8	-	-	-	-

Hardness after welding

Ø	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

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 determined. For the accuracy we can not guarantee)