

## QuNi62

(W.-No. 2.4856) Inconel625

The NiCrCoMo-alloyed welding wire is used for joint welding of heat-resistant and highly heat resisting Ni-base alloy, gamma iron and cast material.

A nickel-chrome-molybdenum-alloy with niobium addition which stabilizes the matrix in connection with the molybdenum and thereby it guarantees a high tensile strength without hardened heat treating. The alloy is resistant against a number of heavy corrosive media and especially against pitting and crevice corrosion. It's used in chemical process engineering, for space flight and naval architecture, for ecology constructions and nuclear reactors.

### Recommended for:

Alloy 625, W.-No. 2.4856

### Rework

Material-typical treatment

### Material analysis in %

C	Si	Mn	Mo	Fe	Nb	S	P	Al	Ti	Co	Cr	Ni
0,10	0,50	0,50	9,0	5,0	3,6	0,015	0,015	0,40	0,40	1,0	22,0	58,0

(test certificates upon request.)

### Standard/Mechanical Values

Ø	N / mm <sup>2</sup>	Elongation AL100	Items on stock	
			rods	spools
0,3	-	-	X	-
0,4	-	-	-	-
0,5	-	-	X	X
0,6	-	-	X	-
0,7	-	-	-	-
0,8	-	-	-	-

(standard values)

### 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 cannot guarantee)