

## QuTi5

EN ISO 24034: Ti6402; AWS-SFA : 5.16 ERTi5 (Titanium Al 6 V4); M.- No.: 3.7164/3.7165

is used for weldings on base material *Titan Grade 5*.

This alloy is characterized by a low density, strength and a very high corrosion resistance against oxidizing acidity and mixed acid as well as chloride dissolution.

### Recommended for

Used for joint and build up welding of elements in the aerospace industry and medicine technology

Titan Grade 5

### Rework

Material-typical treatment

### Material analysis in %

C	H	O	N	Fe	V	Al	Ti
0,08	<0,015	0,20	0,05	0,25	3,5 - 4,5	5,5 - 6,7	Rest

(test certificates upon request.)

### Standard/Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	N/mm <sup>2</sup>	>825
Tensile strength Rm	N/mm <sup>2</sup>	>890
Elongation A (Lo = 5do)	%	10
Hardness untreated	HB	90

### 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.