

## QuFe18

EN ISO 14343-A G/W (13) AWS A5.9: ER 410; M.-No. ~1.4009

is suitable for build-up welding on structural parts in water, gas and steam atmosphere and similar 13% martensite Cr-steels where a high corrosion resistance is needed. The weld deposit is polish able. Coatings on unalloyed and low-alloyed steels up to temperatures till 450° C.

### Recommendation for

1.4000 – 1.4006, 1.4008, AISi 410, 420 building-ups on steels like 1.2083, 1.2085

### Rework

The weld can be polished and machined.

### Material analysis in %

| C    | Si  | Mn   | Ni  | Cr   |
|------|-----|------|-----|------|
| 0,08 | 0,8 | 0,65 | 0,4 | 12,5 |

(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> | 380                           |
| Tensile strength Rm     | N/mm <sup>2</sup> | 550                           |
| Elongation A (Lo = 5do) | %                 | 15                            |
| Hardness untreated      | HB                | 150 - 225                     |

### 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.