

## QuAIX10

SFA/AWSA5.10: AL4145; EN ISO 18273 AL4145 (AlSi10Cu4); M.-No.3.2585

is a cold hardening alloy AlSi(X) with a low melting point and good flow properties. Bright weld, low level of unburned carbon. The weld is easy to polish with a high tensile strength and crack resistance.

### Recommendation for basic materials

Joint and build-up welding of forgeable alloys: AlMgCuZn..., cast alloys: AlSiMg..., AlSiCu...

### Rework

Material-typical treatment

### Material analysis in %

Si	Fe	Cu	Mn	Mg	Cr	Zn	Al
10,0	0,8	4,0	0,15	0,15	0,15	0,2	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>	
Tensile strength Rm	N/mm <sup>2</sup>	
Elongation A (Lo = 5do)	%	
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.