

## QuAlMg4,5Mn

EN ISO 18273: S AL 5183 (AlMg4,5Mn); AWS/SFA A5.10: ER5183 ; M.- No.: 3.3548

is suitable for the welding of Aluminium-Magnesium-Alloy.

### Recommendation for basic materials

AlMg2,7Mn; AlMg3; AlMg4,5Mn; AlMg5; AlMgSi0,7; AlMgSi1; AlMgSiCu; AlZn4,5Mg1;  
G-AlMg3; G-AlMg5

### Rework

Material-typical treatment

### Material analysis in %

Si	Fe	Cu	Mg	Mn	Cr	Ti	Zn	Al
0,35	0,40	0,05	4,80	0,90	0,15	0,15	0,25	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>	130
Tensile strength Rm	N/mm <sup>2</sup>	180
Elongation A (Lo = 5do)	%	18
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.