

## QuAlMgZr

EN ISO 18273: S AL 5087 (AlMg4,5MnZr); AWS/SFA A 5.10: ER5087; M.-No. 3.3546

is suitable for welding aluminium-magnesium alloys.  
Good corrosion resistance against salt water and atmospheric conditions.  
Due to the addition of zircon, the tendency for hot cracking is subdued.

### **Recommendation for:**

AlMg2,7Mn; AlMg3; AlMg4,5Mn; AlMg5; AlMgSi0,7; AlMgSi1; AlMg1SiCu;  
AlZn4,5Mg1; G-AlMg3; G-AlMg5

### **Reworking**

Material- typical treatment

### **Material analysis in %**

Si	Fe	Cu	Mg	Mn	Cr	Zr	Ti	Zn	Al
0,25	0,40	0,05	4,80	0,90	0,15	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>	280
Elongation A (Lo = 5do)	%	18
Hardness untreated	HRC	

### **Following standard:**

#### **Laser welding wires**

Rod: 333 mm / 1.000 mm Special lengths upon request

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.