

# ALUROD AlMg 4,5 Mn

## TIG Rods Aluminum alloys

Alurod AlMg 4,5 Mn is a TIG rod which deposits a 4,5% Mg aluminum alloy with high tensile strength requirements. Good mechanical properties.

Classification	
AWS	A5.10: ER 5183
EN	18273: S Al 5183

Approvals	Grades

### Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Zn	Ti	Mg	Fe	Cu	Al
-	0.80	0.25	-	-	0.10	-	0.10	4.50	0.30	0.10	Rem

### All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	≥ 125	≥ 275	≥ 17	-	-

Gas test: Acc. To EN 439: I1(Arcal1)

**Shielding Gas:** Acc. To EN 439: I1(Arcal1)

### Materials

Al Mg 3, Al Mg 5, Al Mg Mn, Al Zn 4,5 Mg 1

G-Al Mg 3 Si; G-Al Mg 5 Si; G-Al Mg 10;

### Storage

Keep dry and avoid condensation

### Current condition and welding position

AC



**Packaging data:** Box 5 kg

Diameters (L: 1000 mm)	1,6	2,0	2,4	3,2	4,0

Further forms of delivery on request.