

ALTIG AIMg5

MIG/MAG solid wires-TIG rods

Aluminum alloys

ALTIG AIMg5 is a 5356 type aluminum solid TIG welding rod depositing Al-5Mg weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

ALTIG AIMg5 is used for the welding of Al-Mg alloys and Al-Mg-Zn alloys. The rod is also suitable for the welding of dissimilar aluminium alloy grades containing up to 5%Mg and components which are subsequently to be anodised.

ALTIG AIMg5 is the most widely used Al welding wire, because of the weld metals high yield strength and high resistance to corrosion, including seawater.

TIG rod that deposits a 5% Magnesium aluminum alloy. Suitable for welding alloys like Peraluman and Anticorodal.



Classification	
EN ISO	18273: S Al 5356 (AlMg5Cr(A))
AWS	A5.10: ER 5356

Approvals
DB
●

CE

Chemical analysis (Typical values in %)

Al	Si	Mn	Mg	Cr	Ti	Cu	Fe
Rem	0.2	0.1	5	0.1	0.1	0.1	0.3

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As Welded	≥ 110	≥ 240	≥ 17

Gas test: 100% Ar

Shielding Gas - EN ISO 14175 : I1

Materials

Al Mg 1SiCu, Al Mg Si 0,7;
Al Mg 3, Al Mg 5, Al Zn 4,5 Mg 1;
G-Al Mg 3Si; G-Al Mg 5Si

Storage

Keep dry and avoid condensation

Current condition and welding position

AC



Packaging data

Packaging Type	TUB
Diam(mm) / weight(kg)	5
1.6	●
2.0	●
2.4	●
3.2	●
4.0	●