

Wire type:
TIG Solid wire

Current:



Welding positions:



Shielding gas:
I1-I3

AlMg5 is our aluminium wire for TIG welding forged and cast aluminium-manganese and aluminium-magnesium alloys with a maximum of 5% Mg content. Typical applications include shipbuilding, tank building railway and car industry. To be used in combination with tungsten electrodes type WP.

Base materials to be welded:

- Aluminium-manganese alloys
- Aluminium-magnesium alloys
- Aluminium-MgSi alloys
- Similar aluminium alloys

Applications:

- Shipbuilding & Offshore
- Power Generation
- General fabrication & construction
- Transport & Lifting Industry

Chemical composition, wt.% weld metal – typical:

Mn	Cr	Mg	Ti	Al
0,15	0,15	5,0	0,09	Bal.

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %	Physical properties	
As welded	≥ 120	≥ 250	≥ 18	Melting range 575-633°C	Density 2,64 g/cm ³

Packaging data:

Dia. mm.	Length mm.	Weight / package kg.
2,0	1000	5
2,4	1000	5
3,2	1000	5