



# TIG ALG3

Old reference: TIG AlMg3

## Classification

AWS 5.10 : ~ER5654  
ISO 18273 : S Al 5754 (AlMg3)

Material N° : 3.3536

## Description & Applications

Solid rod for TIG welding of Aluminium alloys with up to 3% Mg. Very often used in marine construction for their excellent resistance to salt water corrosion and other types of construction.

### Base materials:

Alloy	DIN	Material N°
3004	Al Mg1	3.3315
3005	Al Mg2.5	3.3523
3303	Al Mg3	3.3535
5005	Al Mg Si0.5	3.3206

## Typical Chemical Composition ( % )

Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
0.05	0.13	0.002	0.15	3.1	0.01	0.08	Rem.

## All Weld Metal Mechanical Properties

R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
120	250	22

## Welding Current & Instructions

Welding mode	Shielding Gas
TIG ~	Ar : 5-10 l/min Argon / He : 5-10 l/min

ind.10



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