

# LNT/LNM AIMg 3

## Aluminium wire

### Classification

ISO 18273-01 : AI 5754

### General description

Solid wire for welding of aluminium alloys up to 3%Mg

### Shielding gases (acc. EN 439)

GTAW	I1	Inert gas Ar (100%)
GMAW	I1	Inert gas Ar (100%)
	I3	Inert gas Ar+ >0-95% He

### Approvals

	TÜV
GTAW	+
GMAW	+

### Chemical composition (w%), typical, wire / rod

Al	Mg	Zn	Cr	Ti	Mn	Si	Cu	Fe
bal.	3.4	0.1	0.19	0.09	0.01	0.06	0.01	0.13

### Mechanical properties, typical

### Physical properties

Melting range	580 - 642°C
Density	approximately 2660 kg/m <sup>3</sup>

### Materials to be welded

Material	Code	Type	W.Nr.	Int.Reg.Nr.	Int.Cast.Nr.
Aluminium wrought alloys	DIN 1725-1	Al Mg 1	3.3315	5005 A	
		Al Mg 1.5	3.3316	5050 B	
		Al Mg 1.8	3.3326	5051 A	
		Al Mg 2.5	3.3523	5052	
		Al Mg 3	3.3535	5754	
		Al Mg 1	3.0515	3103	
		Al Mg Si 0.5	3.3206	6060	
		Al Mg Si 0.7	3.3210	6005 A	
		Al Mg Si 0.8	3.2316	6181	
		Aluminium cast alloys	DIN 1725-2	G-AIMg 3	3.3541
G-AIMg 3 Si	3.3241				512.0

### Packaging

Process	Unit	Sizes (mm)						
		1.0	1.2	1.6	2.0	2.4	3.2	4.0
GTAW	5 kg tube			X	X	X	X	X
GMAW	7 kg spool B300	X	X	X				

Other sizes and packaging on request

LNT/LNM AIMg 3: rev. EN 15

**LINCOLN**  
ELECTRIC

GMAW / GTAW