



SpeedAI™ is available throughout the globe through Speedmet and the Welding Alloys Group.

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# SpeedAI™

## Aluminium MIG and TIG welding wire

### A worldwide presence

**United Kingdom**  
(Head office)  
Welding Alloys Ltd

**Argentina**  
Welding Alloys Argentina S.A.

**Australia (Trading Partner)**  
Specialised Welding  
Products Pty Ltd

**Brazil**  
Welding Alloys Brasil Ltda

**China**  
Welding Alloys China Ltd

**Egypt**  
Welding Alloys Egypt

**France**  
Welding Alloys France SAS

**Germany**  
Welding Alloys Deutschland  
Legierungstechnik GmbH  
Welding Alloys Deutschland  
Schweislegierungs GmbH

**Greece**  
Welding Alloys Hellas EPE

**India**  
Welding Alloys  
South Asia Pvt Ltd

**Iran**  
Aliaj Joosh Iran

**Italy**  
Welding Alloys Italiana s.r.l.

**Japan**  
Welding Alloys Japan

**Malaysia**  
Welding Alloys  
(Far East) Sdn. Bhd.

**Mexico**  
Welding Alloys  
Panamericana S.A. de C.V.

**Poland**  
Welding Alloys Polska Sp. z o.o.

**Russia**  
Welding Alloys Russia

**South Africa**  
WASA (PTY) Ltd

**South Korea**  
Welding Alloys Korea Ltd

**Spain**  
Welding Alloys España

**Sweden**  
Welding Alloys Sweden

**Thailand**  
Welding Alloys (Thailand) Co. Ltd

**Turkey**  
Welding Alloys Limited Şirketi

**Ukraine**  
Welding Alloys Ukraine

**United Arab Emirates**  
Welding Alloys Middle East FZC

**USA**  
Welding Alloys (USA) Inc.

**Vietnam**  
Welding Alloys Vietnam Co. Ltd.

[www.welding-alloys.com](http://www.welding-alloys.com)



# Why use SpeedAI™?

Welders appreciate SpeedAI™ MIG and TIG welding wire because:

- Excellent feedability and superior liner life, which comes from our exclusive wire finishing technology
- Consistent high quality welds from our deep shaved and cleaned wire
- Double shaving, close to final size, giving the best performance for higher strength alloys in the most demanding applications
- Expert advice to all our customers

ISO9001 : 2008 certified



## Packaging

MIG Spools - New 8Kg Spools

Spool Dia. mm	S100 Kg net	S200 Kg net	S300 Kg net	BS300 Kg net
0.8	0.5	2.0	5.0 & 8.0	7.0
1.0	0.5	2.0	6.5 & 8.0	7.0
1.2	0.5	2.0	6.5 & 8.0	7.0
1.6	-	-	6.5 & 8.0	7.0
2.4	-	-	6.5 & 8.0	7.0



All spools packed in heat-sealed plastic bags and boxed.  
D100 packed 18 to one box (9kg net).

## Technical Specifications Chemical Analysis

Product	ISO chemical	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other Each	Other Total	Al
SpeedAI/ 1080A	Al99.8(A)	0.15	0.15	0.03	0.02	0.02	-	0.06	0.02	0.02	-	98.80 min
SpeedAI/ 1070	Al99.7	0.20	0.25	0.04	0.03	0.03	-	0.04	0.03	0.03	-	99.70 min
SpeedAI/ 4043	AlSi5	4.5-6.0	0.8	0.30	0.05	0.05	-	0.10	0.20	0.05	0.15	Rem
SpeedAI/ 4047	AlSi12	11.0-13.0	0.8	0.30	0.15	0.10	-	0.20	-	0.05	0.15	Rem
SpeedAI/ 5183	AlMg4.5Mn0.7(A)	0.40	0.40	0.10	0.50-1.0	4.3-5.2	0.05-0.25	0.25	0.15	0.05	0.15	Rem
SpeedAI/ 5356	AlMg5Cr(A)	0.25	0.40	0.10	0.05-0.20	4.5-5.5	0.05-0.20	0.10	0.06-0.20	0.05	0.15	Rem
SpeedAI/ 5554	AlMg2.7Mn	0.25	0.40	0.10	0.50-1.0	2.4-3.0	0.05-0.20	0.25	0.05-0.20	0.05	0.15	Rem
SpeedAI/ 5556A	AlMg5Mn	0.25	0.40	0.10	0.6-1.0	5.0-5.5	0.05-0.20	0.20	0.05-0.20	0.05	0.15	Rem
SpeedAI/ 5754	AlMg3	0.40	0.40	0.10	0.50 <sup>1</sup>	2.6-3.6	0.30 <sup>1</sup>	0.20	0.15	0.05	0.15	Rem

Be 0.0003 max  
<sup>1</sup> Mn +Cr 0.10-0.6

In accordance with ISO 18273:2004 (E), AWS A5.10/A5.10M:1999 and JIS Z 3232:2000.  
If no range specified, figure is a maximum. Aluminium is remainder unless specified otherwise.

## TIG rods

TIG is supplied in 1m lengths; alloy code is stamped in 4 places. Packed in handy 2.5kg packs; 8 packs to a box (20kg net). Also available in 25kg bulk boxes.

Diameters : 1.6, 2.0, 2.4, 3.2, 4.0 and 5mm.

