

Welding Consumables

Stainless Steel

Metal-Cored

Mild Steel

Nickel Alloy

Stainless Steel

MIG, TIG, Stick and Flux-Cored



American Wire Research, Inc.

Stainless Steel Welding Consumables

American Wire Research, Inc. is part of the KUANG TAI group from Taiwan, and KUANG TAI is one of the world's largest manufacturers of Stainless Steel Welding Consumables, and has been supplying the North American market for over 30 years.



GMAW & GTAW			
Product Name	AWS Classification	Diameter	Packaging & Weight*
AW-308L AWT-308L	ER308L	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-316L AWT-316L	ER316L	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-309L AWT-309L	ER309L	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-308LSi AWT-308LSi	ER308LSi	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-316LSi AWT-316LSi	ER316LSi	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-309LSi AWT-309LSi	ER309LSi	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-309LMo AWT-309LMo	ER309LMo	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW307Si AWT-307Si	ER307Si	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-310 AWT-310	ER310	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-312 AWT-312	ER312	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-308H AWT-308H	ER308H	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-316H AWT-316H	ER316H	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-317L AWT-317L	ER317L	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-347 AWT-347	ER347	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-409Nb AWT-409Nb	ER409Nb	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-410 AWT-410	ER410	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-430 AWT-430	ER430	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-430LNb AWT-430LNb	ER430LNb	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs
AW-439Ti AWT-439Ti	ER439Ti	0.035" to 3/16"	Spool: 33lbs, 44lbs, 60lbs Tube Pack: 36" x 10lbs

*Drum packaging options available for all GMAW products, contact us to find out more.



FCAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
AFX-308LT1 AFX-308LTO	E308LT1-1/4 E308LTO-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-309LT1 AFX-309LTO	E309LT1-1/4 E309LTO-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-316LT1 AFX-316LTO	E316LT1-1/4 E316LTO-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-309LMoT1 AFX-309LMoT0	E309LMoT1-1/4 E309LMoT0-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-308HT1 AFX-308HT0	E308HT1-1/4, E308HT0-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-310T1 AFX-310T0	E310T1-1/4, E310T0-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-317LT1 AFX-317LTO	E317LT1-1/4, E317LTO-1/4	0.035" to 1/16"	Spool: 33lbs
AFX-347T1 AFX-347T0	E347T1-1/4 E347T0-1/4	0.035" to 1/16"	Spool: 33lbs

SMAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASE-307	E307-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-308L	E308L-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-308H	E308H-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-309L	E309L-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE309MoL	E309MoL-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-312	E312-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-316L	E316L-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-316H	E316H-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-317L	E317L-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-347	E347-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs

SAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASA-308L	ER308 ER308L	5/64" to 3/16"	Spool: 60lbs
ASA-309L	ER309 ER309L	5/64" to 3/16"	Spool: 60lbs
ASA-309LMo	ER309LMo	5/64" to 3/16"	Spool: 60lbs
ASA-316L	ER316 ER316L	5/64" to 3/16"	Spool: 60lbs
ASA-317L	ER317L	5/64" to 3/16"	Spool: 60lbs
ASA-347	ER347	5/64" to 3/16"	Spool: 60lbs
ASA-410	ER410	5/64" to 3/16"	Spool: 60lbs

Visit www.americanwiresresearch.com or contact one of our sales representatives



Duplex Welding Consumables

The advantages over traditional austenite stainless steel:

- Higher mechanical strength and toughness
- Better thermal expansion, ductility and easy to form (EL% = 25-35)
- Better resistance to pitting and crevice corrosion
- Better resistance to fatigue and stress corrosion cracking
- Better welding performance

Key benefits

- Reinforcement for longer lifetime
- Meeting more demanding applications, including hot, humid and maritime climate
- Aesthetics improvement and weight reduction
- Cost saving in manufacturing on both material and labor costs

GMAW & GTAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
AW-2209	ER2209	0.035" to 1/16"	Spool: 33lbs, 44lbs, 60lbs
AWT-2209	ER2209	0.045" to 3/16"	Tube Pack: 36" x 10lbs
AW-2594	ER2594	0.035" to 1/16"	Spool: 33lbs, 44lbs, 60lbs
AWT-2594	ER2594	0.045" to 3/16"	Tube Pack: 36" x 10lbs
FCAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
AFX-2209T1 AFX-2209T0	E2209T1-1/4, E2209T0-1/4	0.045" to 1/16"	Spool: 33lbs
AFX-2594T1	E2594T1-1/4	0.045" to 1/16"	Spool: 33lbs
SMAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASE-2209	E2209-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-2553	E2553-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASE-2594	E2594-16	5/64" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
SAW			
Product Name	AWS Classification	Diameter	Packaging & Weight
ASA-2209	ER2209	3/32" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs
ASA-2594	ER2594	3/32" to 3/16"	Tube: 12" x 10lbs, 14" x 10lbs

Visit www.americanwireresearch.com or contact one of our sales representatives



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