



ADVANCE **METAL** POWDER  
Your Zero Inventory Partner

ADVANCE  CRAFT  
STAINLESS STEEL WIRES



WELD WITH CONFIDENCE, ACHIEVE SUPERIOR RESULTS.



TIG | MIG | SAW

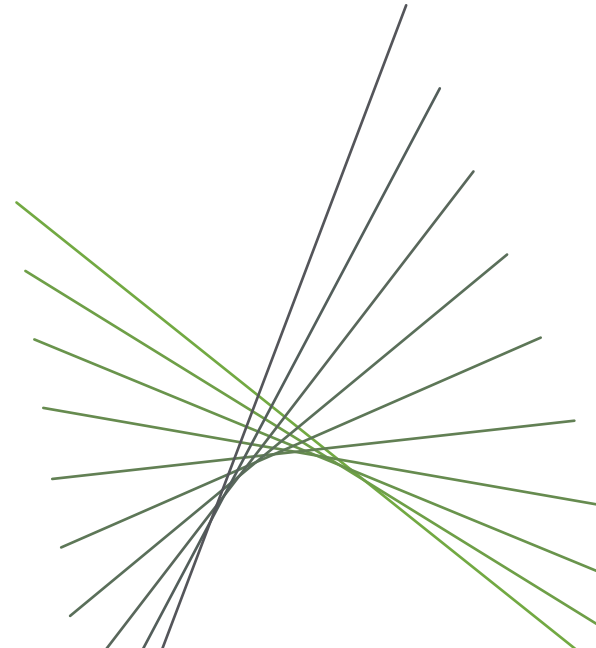
ADVANCE **CRAFT** Stainless Steel wires are engineering materials that are capable of meeting a broad range of design criteria.

They exhibit excellent:

- Corrosion resistance
- Strength at elevated temperature
- Toughness at cryogenic temperatures, and
- Fabrication characteristics

They are selected for a broad range of consumer, commercial and industrial applications. They are used for demanding requirements of chemical processing to the delicate handling of food and pharmaceuticals. They are preferred over many other materials because of their performance in even the most aggressive environments, and they are fabricated by methods common to most manufacturers. Most stainless steels are considered to have good weldability and may be welded by

several welding processes including the arc welding processes, resistance welding, electron and laser beam welding, friction welding and brazing. For any of these processes, joint surfaces and any filler metal must be clean.



# Stainless Steel Wires

## MIG

The MIG wires are supplied in bright as well as in matte finish and the wire is specially cleaned to avoid weld contamination. Stainless steel MIG wires can be supplied in plastic spool. The wires have suitable cast / helix to ensure perfect "Pay-Off".

Size (mm)	Size (inch)	Fraction
0.80	0.030"	- - -
0.90	0.035"	- - -
1.00	0.040"	- - -
1.20	0.045"	- - -
1.60	0.062"	1/16"



Plastic Spool SD300



12.5 kgs / 15 kgs / 20 kgs  
25 lbs / 30 lbs

Plastic Spool SD200



5 kgs  
10 lbs

Plastic Spool SD100



1 kgs  
2 lbs

TIG

We manufacture high quality stainless steel TIG wires in 36" & 1,000 mm cutlengths, with embossing on both sides above 1.0 mm wires as per customer's requirements. TIG wires are supplied in bright and clean finish to avoid all possible contamination. No oil is used in processing of TIG wires.

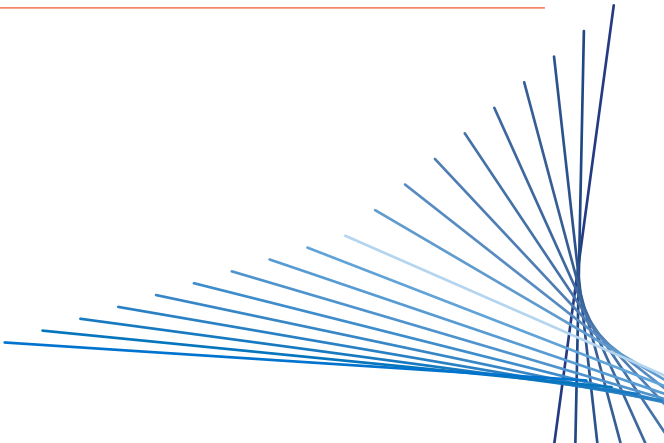
Size (mm)	Size (inch)	Fraction
1.60	0.062"	1/16"
2.00	0.078"	- - -
2.40	0.094"	3/32"
3.20	0.125"	1/8"
4.00	0.156"	5/32"



Plastic Tubes



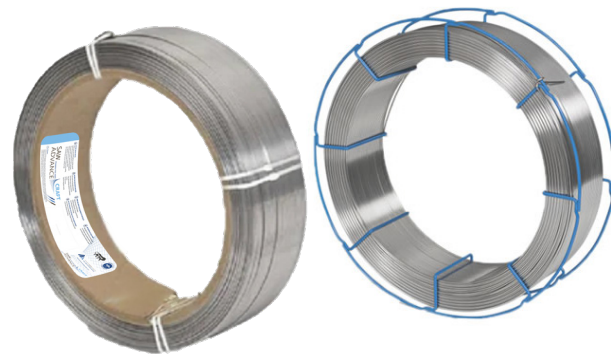
5 kgs                      10 kgs  
10 lbs                    20 lbs



## SAW

We manufacture clean & layer wound wire for submerged arc welding from 1.60 mm (0.062") to 5.00 mm (0.187") in various grades in bright as well as in matte finish. The wires tensile strength, helix and cast diameter is engineered to precise tolerance to ensure perfect "Pay-Off".

Size (mm)	Size (inch)	Fraction
1.60	0.062"	1/16"
2.00	0.078"	- - -
2.40	0.094"	3/32"
3.20	0.125"	1/8"
4.00	0.156"	5/32"
5.00	0.187"	3/16"



### Metal Ring Box Packing



25 kgs

60 lbs



We manufacture high quality stainless steel wire for welding electrodes in sizes 2.00 mm (0.078") - 5.00 mm (0.187") in bright as well as in matte finish.

The stainless steel wire for welding electrodes are supplied in coil as well as in cut length as per AWS, DIN, BS, JIS and other equivalent international standards or as per the customer's requirement.

The commonly manufactured grades are AWS 304L, ER 308L, ER 308L (10%), ER 309L, ER 309H, ER 316L, ER 316H, ER 310, ER 312, ER 309LMO, ER 317L, ER 318, ER 347H, ER 430L with low and normal silicon contents.

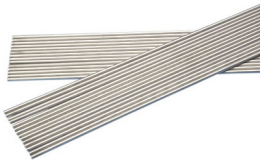
Size (mm)	Size (inch)	Fraction
2.00	0.078"	- - -
2.40	0.094"	3/32"
2.50	0.098"	- - -
3.15	0.124"	- - -
3.20	0.125"	1/8"
4.00	0.156"	5/32"
5.00	0.187"	3/16"

**Coil Form**

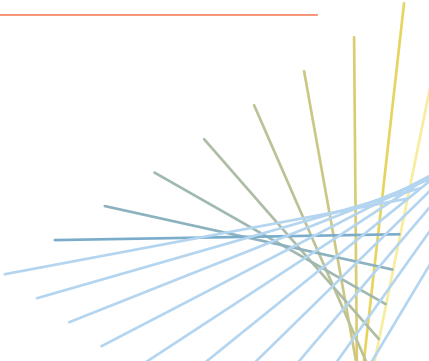


As per customer's request

**Cut Length**



As per customer's request



## Welding Alloys

Stainless Steel -

TIG

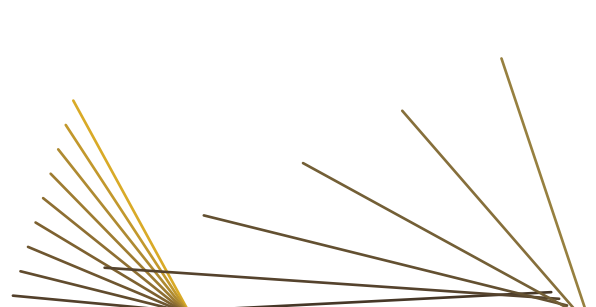
MIG

SAW

Grade	Nearest to EN 12072:2000 14343:2007	British BS2901 PTS	USA AWS A5.9	German DIN 8556
ER 307	18 8 Mn	307S94	ER 307	WK. 1.4370
ER 307Si	18 8 Mn	307S98	ER 307Si	WK. 1.4370
ER 308	19 9	308S96	ER 308	WK. 1.4302
ER 308H	- - -	- - -	ER 308H	WK. 1.4302
ER 308L	19 9 L	308S92	ER 308L	WK. 1.4316
ER 308LSi	19 9 LSi	308S93	ER 308LSi	WK. 1.4316
ER 309H	22 12 H	309S94	ER 309	WK. 1.4829
ER 309L	23 12 L	309S92	ER 309L	WK. 1.4332
ER 309Nb	- - -	- - -	ER 309Nb	- - -
ER 309LNb	- - -	- - -	ER 309LNb	- - -
ER 309LSi	23 12 LSi	309S93	ER 309LSi	WK. 1.4332
ER 309LMo	23 12 2L	~309S95	ER 309LMo	WK. 1.4459
ER 310	25 20	310S94	ER 310	WK. 1.4842
ER 312	29 9	312S94	ER 312	WK. 1.4337
ER 316	19 12 3	- - -	ER 316	WK. 1.4403
ER 316L	19 12 3 L	316S92	ER 316L	WK. 1.4430



Grade	Nearest to EN 12072:2000 14343:2007	British BS2901 PTS	USA AWS A5.9	German DIN 8556
ER 316LSi	19 12 3 LSi	316S93	ER 316LSi	WK. 1.4430
ER 317L	19 13 4 L	317S92	ER 317L	WK. 1.4438
ER 318	19 12 3 Nb	318S97	ER 318	WK. 1.4576
ER 320LR	---	---	ER 320LR	---
ER 330	---	---	ER 330	---
ER 330Nb	---	---	ER 330Nb	---
ER 347	19 9 Nb	347S96	ER 347	WK. 1.4551
ER 347Si	19 9 Nb Si	347S97	ER 347Si	WK. 1.4551
ER 385 [904L]	---	---	ER 385 [904L]	---
ER 409Nb	---	---	ER 409Nb	---
ER 410	---	---	ER 410	---
ER 410NiMo	---	---	ER 410NiMo	---
ER 430	17	---	ER 430	WK. 1.4015
ER 430Nb	---	---	ER 430Nb	---
ER 430LNb	---	---	ER 430LNb	---
ER 2209	---	---	ER 2209	---



# Welding Alloys

Stainless Steel -  Wires for Electrodes

Grade	Nearest to EN 12072:2000 14343:2007	British BS2901 PTS	USA AWS A5.9	German DIN 8556
ER 308H	- - -	- - -	ER 308H	WK. 1.4302
ER 308L	19 9 L	308S92	ER 308L	WK. 1.4316
ER 309H	22 12 H	309S94	ER 309	WK. 1.4829
ER 309L	23 12 L	309S92	ER 309L	WK. 1.4332
ER 309LMo	23 12 2 L	309S95	ER 309LMo	WK. 1.4459
ER 310	25 20	310S94	ER 310	WK. 1.4842
ER 312	29 9	312S94	ER 312	WK. 1.4337
ER 316L	19 12 3 L	316S92	ER 316L	WK. 1.4430
ER 317L	18 15 3 L	317S92	ER 317L	WK. 1.4438
ER 320LR	- - -	- - -	ER 320LR	- - -
ER 330	- - -	- - -	ER 330	- - -
ER 347	19 9 Nb	347S96	ER 347	WK. 1.4551
ER 385 [904L]	- - -	- - -	ER 385 [904L]	- - -
ER 410	- - -	- - -	ER 410	- - -
ER 410NiMo	- - -	- - -	ER 410NiMo	- - -
ER 2209	- - -	- - -	ER 2209	- - -

# C H E M I C A L   C O M P O S I T I O N

AWS Classifications	UNS Number	Composition, Wt %										Other Elements	
		C	Cr	Ni	Mo	Mn	Si	P	S	N	Cu	Element	Amount
S T A I N L E S S   S T E E L													
ER307	S30780	0.04-0.14	19.5-22.0	8.0-10.7	0.5-1.5	3.3-4.75	0.30-0.65	0.03	0.03	-	0.75	-	-
ER308	S30880	0.08	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER308H	S30880	0.04-0.08	19.5-22.0	9.0-11.0	0.50	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER308L	S30883	0.03	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER308Si	S30881	0.08	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER308LSi	S30888	0.03	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER309	S30980	0.12	23.0-25.0	12.0-14.0	0.15	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER309L	S30983	0.03	23.0-25.0	12.0-14.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER309Mo	S30982	0.12	23.0-25.0	12.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER309LMo	S30986	0.03	23.0-25.0	12.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER309Si	S30981	0.12	23.0-25.0	12.0-14.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER309LSi	S30988	0.03	23.0-25.0	12.0-14.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER310	S31080	0.08-0.15	25.0-28.0	20.0-22.5	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER312	S31380	0.15	28.0-32.0	8.0-10.5	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER316	S31680	0.08	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER316H	S31680	0.04-0.08	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER316L	S31683	0.03	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER316Si	S31681	0.08	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER316LSi	S31688	0.03	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	-	-
ER317	S31780	0.08	18.5-20.5	13.0-15.0	3.0-4.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER317L	S31783	0.03	18.5-20.5	13.0-15.0	3.0-4.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-
ER318	S31980	0.08	18.0-20.0	11.0-14.0	2.0-3.0	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	Cb <sup>§</sup>	8xCmin/1.0max
ER320	N0S021	0.07	19.0-21.0	32.0-36.0	2.0-3.0	2.5	0.60	0.03	0.03	-	3.4-4.0	Cb <sup>§</sup>	8xCmin/1.0max
ER320LR	N0S022	0.025	19.0-21.0	32.0-36.0	2.0-3.0	1.5-2.0	0.15	0.015	0.02	-	3.4-4.0	Cb <sup>§</sup>	8xCmin/0.40max
ER321	S32180	0.08	18.5-20.5	9.0-10.5	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	Ti	9xCmin/1.0max
ER330	N08331	0.18-0.25	15.0-17.0	34.0-37.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	-	-

AWS Classifications	UNS Number	Composition, Wt %										Other Elements	
		C	Cr	Ni	Mo	Mn	Si	P	S	N	Cu	Element	Amount
ER347	S34780	0.08	19.0-21.5	9.0-11.0	0.75	1.0-2.5	0.30-0.65	0.03	0.03	-	0.75	Cb <sup>g</sup>	10xCmin/1.0max
ER347Si	S34788	0.08	19.0-21.5	9.0-11.0	0.75	1.0-2.5	0.65-1.00	0.03	0.03	-	0.75	Cb <sup>g</sup>	10xCmin/1.0max
ER383	N08028	0.025	26.5-28.5	30.0-33.0	3.2-4.2	1.0-2.5	0.50	0.02	0.03	-	0.70-1.5	-	-
ER385	N08904	0.025	19.5-21.5	24.0-26.0	4.2-5.2	1.0-2.5	0.50	0.02	0.03	-	1.2-2.0	-	-
ER409	S40900	0.08	10.5-13.5	0.6	0.50	0.8	0.8	0.03	0.03	-	0.75	Ti	10xCmin/1.5max
ER409Cb	S40940	0.08	10.5-13.5	0.6	0.50	0.8	1.0	0.04	0.03	-	0.75	Cb <sup>g</sup>	10xCmin/0.75max
ER410	S41080	0.12	11.5-13.5	0.6	0.75	0.6	0.5	0.03	0.03	-	0.75	-	-
ER410NiMc	S41086	0.06	11.0-12.5	4.0-5.0	0.4-0.7	0.6	0.5	0.03	0.03	-	0.75	-	-
ER420	S42080	0.25-0.40	12.0-14.0	0.6	0.75	0.6	0.5	0.03	0.03	-	0.75	-	-
ER430	S43080	0.10	15.5-17.0	0.6	0.75	0.6	0.5	0.03	0.03	-	0.75	-	-
D U P L E X   S T E E L													
ER2209	S39209	0.03	21.5-23.5	7.5-9.5	2.5-3.5	0.50-2.0	0.90	0.03	0.03	0.08-0.20	0.75	-	-
ER2507	S32750	0.03	24.0-26.0	6.0-8.0	3.0-5.0	1.20	0.80	0.035	0.02	0.24-0.32	0.50	-	-
ER2553	S39553	0.04	24.0-27.0	4.5-6.5	2.9-3.9	1.5	1.0	0.04	0.03	0.10-0.25	1.5-2.5	-	-
ER2594	S32750	0.03	24.0-27.0	8.0-10.5	2.5-4.5	2.5	1.0	0.03	0.02	0.2-0.3	1.5	-	-

Notes:

- Analysis shall be made for the elements for which specific values are shown in this table. If the presence 'of other elements is indicated in the course of this work, the amount of those elements shall be determined to ensure that their total, excluding iron, does not exceed 0.50 percent.
- Single values shown are maximum percentages.
- In the designator for composite, stranded, and strip electrodes, the "R" shall be deleted. A designator "C" shall be used for composite and stranded electrodes and a designator "O" shall be used for strip electrodes. For example, ERXXX designates a solid wire and EQXXX designates a strip electrode of the same general analysis, and the same UNS number. However, ECXXX designates a composite metal cored or stranded electrode and may not have the same UNS number. Consult ASTM/SAE Uniform Numbering System for the proper UNS Number.
- For special applications, electrodes and rods may be purchased with less than the specified silicon content.
- ASTM/SAE Unified Numbering System for Metals and Alloys.
- Nickel + copper equals 0.5 percent maximum.
- Cb(Nb) may be reported as O>(Nb) + Ta.
- These classifications also will be included in the next revision of ANSI/AWS A528, *Specification for Low Alloy Steel Filler Metals for Gas Shielded Metal Arc Welding*. They will be deleted from ANSI/AWS A5.9 in the first revision following publication of the revised ANSI/AWS A5.28 document.

## H O W I T W O R K S



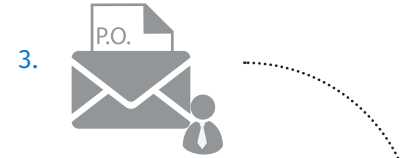
● **SEND IN YOUR INQUIRY**

Via Email or our website inquiry form.



● **GET QUOTATION**

Via Email .  
Allow for 12-24hrs on weekdays



● **RELEASE PURCHASE ORDER**

Via Email & Print.



● **PROFORMA INVOICE RELEASED**

Via Email.



● **REMIT PAYMENTS**

Via  
RTGS/NEFT/Cheque



● **MATERIALS DISPATCHED**

Allow for 24-36hrs on weekdays



ADVANCE METAL POWDER  
Your Zero Inventory Partner

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