



**WILLIAMS METALS
AND WELDING ALLOYS INC.**

www.wmwa.net

1-877-435-6543
Call us today!
sales@wmwa.net

Welding Product Information

Aluminum Wire & Electrodes AWS A5.3, A5.10

1100	4643
4043	5183
4047	5356

Brazing & Braze Welding Filler Metals AWS A5.8

B _{Ag} -24
B _{Ag} -7
B _{Ag} -3
B _{Ag} -1
BCuP-5
Available in wire, strip, powder, cast or preforms. Also brazing and soldering fluxes and lead-free solder.

Carbon, Mild & Low Alloy Steel Wires & Electrodes AWS A5.1, A5.5, A5.17, A5.18, A5.23, A5.28

70S-2	80S-D2	90S-B3	120S-1	7018
70S-3	80S-Ni1	90S-B9	6010	7018-A1
70S-6	80S-Ni2	100S-1	6011	8018-B2
80S-B2	80S-B6 (502)	110S-1	6013	9018-B3
80S-B3L	80S-B8 (505)			

Flux Core/Metal Core AWS A5.28, A5.29 Carbon & Low Alloy Steel Electrodes for Arc Welding

E7XT-1C/M	E9XT1-B3L	E80C-Ni1
E7XT-9C/M	E8XT1-Ni1	E80C-Ni2
E7XT-12C/M	E9XT1-Ni2	E80C-D2
E8XT1-B2	E70C-3C/M	E90C-B3
E8XT1-B2L	E70C-6C/M	E90C-B9
E9XT1-B3	E80C-B2	

Other grades and specialty alloys available upon request.

Cobalt Alloys AWS A5.13

Alloy #1	Alloy #6	Alloy #12	Alloy #21
Available in coated electrodes, powder and cored wires. Other grades and surfacing products also available.			

The Williams Advantage Includes:

- Welding Procedure Specification (WPS) and Procedure Qualification Record (PQR) forms upon request.
- Tech support for applications regarding joint design and repairs.
- Most alloys are available for immediate shipment.

• Birmingham, AL • Concord, NC • Garrettsville, OH • Mansfield, OH • Pittsburgh, PA • St. Louis, MO • Wayne, PA Corporate

Copper & Copper Alloy Wires & Electrodes AWS A5.6, A5.7, A5.27

Aluminum Bronze: A1, A2, A3	Low Fuming Bronze
Copper Nickel	Phos Bronze
Deoxidized Copper	Silicon Bronze

Nickel Alloy Wires & Electrodes AWS A5.11, A5.14, A5.15

44	92	182	625
55	99	187	C-276
60	112	190	FC55
61	117	617	HX
67	122	622	WELD A
82	141		

Stainless Steel Wires & Electrodes AWS A5.4, A5.9

307	309	316	320LR	410NiMo
307Si	309L	316L	330	420
308	309LSi	316LSi	347	630
308L	310	317L	410	2209
308LSi	312	320		

Flux Core Stainless Electrodes AWS A5.22

E308HTXX	E316TXX
E308LTXX	E316LTXX
E309TXX	E347TXX
E309LTXX	E410TXX

Controlled Ferrites upon request.
Flux cored TIG rods also available for root pass welding on pipe.
These products are also available using seamless tubing to prevent moisture pickup under humid conditions.
Other grades available upon request.

Titanium TIG Rod & Specialty Coated TIG & MIG Wire AWS A5.16

ERTi-1	ERTi-5
ERTi-2	ERTi-23
ERTi-3	





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Williams Represents the Following:

Alcotec Wire	Electrodos Infra	Kennametal Stellite	Sandvik
AMPCO Metal	ESAB	Kiswel	Select-Arc
Arcos Alloys	Eureka Alloys	Kobelco	Special Metals
Avesta	Harris	Lincoln	Stoody
Carpenter Powder Products	Hobart Brothers	Lucas Milhaupt	Techalloy
Elco Enterprises	INE	National Standard	Williams Welding Alloys

METALS

Copper C101, C102, C103, C107, C110, C116, C122, C145, C147, C172, C17510, C18150, C182, C706, C715

Rod * Bar * Plate * Strip * Sheet * Pipe * Coil * Extruded Shapes * *Machined to Print Services Available*

Brass C210, C220, C230, C260, C272, C353, C360, C385, C464, C485

Coil * Rod * Bar * Plate * Pipe * Sheet

Bronze C314, C510, C544, C630, C655, C673, C954, C959, C863, C89835, C932 (SAE 660), C936 (Modified SAE 64), SAE 841, SAE 863

Rod * Bar * Plate * Continuous Cast Tube * Centrifugal Cast Tube * Sand Casting

Aluminum 6061, 6063, 6101

Pipe * Angles * UABC * Bar * Rod

BAR & ROD PRODUCTS

Copper	Sizes Available
101, 110, 145, 147 Round	1/8" thru 8"
110, 107, 116 Square	1/4" thru 3"
110 Rectangular Bus	1/16" thru 2" thick, 1/2" thru 12" wide
Square, Full Round, Radius *Silver Plated *Tin Plated	12 foot and 20 foot lengths
Class III Round C17510	.50" thru 5.5"
Class II Round 18150, 182	5/16" thru 4"

Brass	Sizes Available
360 Round	1/4" thru 10"
Hex	3/16" thru 2.5"
Flat Bar	1/16" thru 2.5" thick, 1/4" thru 6" wide

464 Round	1/4" thru 6"
544 Round	3/16" thru 6"

Aluminum	Sizes Available
6101, 6061, 6063 T61, 63, 65 Rectangle Bar	1/8" thru 1"
Square, Full Round, Radius, *Tin Plated	
6101, 6061, 6063 Round	.250" and Up

TUBE PRODUCTS

260	1/8" OD thru 3" OD
272	1/16" OD thru 4.25" OD
330	1/16" OD thru 4.25" OD

PIPE PRODUCTS

Copper	Sizes Available
102, 110, 715 Schedule 40 and 80	.250" thru 10"
20 and 40 foot lengths	

Aluminum	Sizes Available
6063, 6061, 6101 Schedule 40 and 80	.250" thru 12"
20, 30, and 40 foot lengths	

SHEET & PLATE PRODUCTS

Copper	Sizes Available
101, 102, 103, 110, 706	.016" thru 6"

Brass	Sizes Available
210, 220	.020" thru .625"
260	.020" thru .750"
464	.250" thru 2"

COIL & STRIP PRODUCTS

Copper	Sizes Available
110	.005" thru .125"

Brass	Sizes Available
220, 230, 260	.010" thru .125"
All Tempers	

**Metal Inquiries Please Call
877-499-1544**