

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/31/2019 PM
 Supersedes: 12/30/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
 Wheeling, IL 60090-2682
 Phone (847) 537-3990
 Fax (847) 537-4085

Element Values		Change
Copper	\$362.00	\$0.00
Zinc	\$209.00	\$0.00
Tin	\$1,476.00	\$0.00
Nickel	\$1,659.00	\$0.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$384.00	\$5.76
CDA 102	K11	OFC Copper	\$384.00	\$5.76
CDA 110	K32	ETP Copper	\$362.00	\$5.43
CDA 122	K19	DHP Copper	\$362.00	\$5.43
CDA 14415	K81	High Performance Alloy 14415	\$363.67	\$5.46
CDA 151	K82	High Performance Alloy 151	\$372.00	\$5.58
CDA 155	K04	High Performance Alloy 155	\$392.00	\$5.88
CDA 18070	K75	High Performance Alloy 18070	\$387.00	\$5.81
CDA 19010	K76	High Performance Alloy 19010	\$378.86	\$5.68
CDA 19210	K80	High Performance Alloy 19210	\$361.84	\$5.43
CDA 194	K65	High Performance Alloy 194	\$359.57	\$5.39
CDA 197	K85	High Performance Alloy 197	\$361.84	\$5.43
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$354.35	\$5.32
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$346.70	\$5.20
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$339.05	\$5.09
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$316.10	\$4.74
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$309.98	\$4.65
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$305.39	\$4.58
CDA 353	Z21	High Leaded Brass	\$301.57	\$4.52
CDA 425	S12	Copper Alloy 425	\$381.65	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.70	\$6.27
CDA 511	B14	Phosphor Bronze, 4%	\$406.56	\$6.10
CDA 519	B16	Phosphor Bronze, 6%	\$428.84	\$6.43
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.12	\$6.77
CDA 688	S23	Copper-Zn-Al Alloy	\$352.47	\$5.29
CDA 7025	K55	High Performance Alloy 7025	\$400.91	\$6.01
CDA 7026	K50	High Performance Alloy 7026	\$387.94	\$5.82
CDA 7035	K57	High Performance Alloy 7035	\$461.86	\$6.93
CDA 725	L49	Copper-Nickel-Tin	\$501.01	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.92	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$476.17	\$7.14
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$564.86	\$8.47
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$554.15	\$8.31

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/30/2019 PM
 Supersedes: 12/27/2019 PM



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 Wheeling, IL 60090-2682
 Phone (847) 537-3990
 Fax (847) 537-4085

Element Values		Change
Copper	\$362.00	-\$1.00
Zinc	\$209.00	\$1.00
Tin	\$1,476.00	-\$6.00
Nickel	\$1,659.00	\$10.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$384.00	\$5.76
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CDA 110	K32	ETP Copper	\$362.00	\$5.43
CDA 122	K19	DHP Copper	\$362.00	\$5.43
CDA 14415	K81	High Performance Alloy 14415	\$363.67	\$5.46
CDA 151	K82	High Performance Alloy 151	\$372.00	\$5.58
CDA 155	K04	High Performance Alloy 155	\$392.00	\$5.88
CDA 18070	K75	High Performance Alloy 18070	\$387.00	\$5.81
CDA 19010	K76	High Performance Alloy 19010	\$378.86	\$5.68
CDA 19210	K80	High Performance Alloy 19210	\$361.84	\$5.43
CDA 194	K65	High Performance Alloy 194	\$359.57	\$5.39
CDA 197	K85	High Performance Alloy 197	\$361.84	\$5.43
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$354.35	\$5.32
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$346.70	\$5.20
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$339.05	\$5.09
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$316.10	\$4.74
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$309.98	\$4.65
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$305.39	\$4.58
CDA 353	Z21	High Leaded Brass	\$301.57	\$4.52
CDA 425	S12	Copper Alloy 425	\$381.65	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.70	\$6.27
CDA 511	B14	Phosphor Bronze, 4%	\$406.56	\$6.10
CDA 519	B16	Phosphor Bronze, 6%	\$428.84	\$6.43
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.12	\$6.77
CDA 688	S23	Copper-Zn-Al Alloy	\$352.47	\$5.29
CDA 7025	K55	High Performance Alloy 7025	\$400.91	\$6.01
CDA 7026	K50	High Performance Alloy 7026	\$387.94	\$5.82
CDA 7035	K57	High Performance Alloy 7035	\$461.86	\$6.93
CDA 725	L49	Copper-Nickel-Tin	\$501.01	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.92	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$476.17	\$7.14
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$564.86	\$8.47
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$554.15	\$8.31

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ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/27/2019 PM

Supercedes: 12/26/2019 PM



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Wheeling, IL 60090-2682
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Fax (847) 537-4085

Element Values		Change
Copper	\$363.00	-\$3.00
Zinc	\$208.00	\$1.00
Tin	\$1,482.00	-\$7.00
Nickel	\$1,649.00	-\$13.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$385.00	\$5.78
CDA 102	K11	OFC Copper	\$385.00	\$5.78
CDA 110	K32	ETP Copper	\$363.00	\$5.45
CDA 122	K19	DHP Copper	\$363.00	\$5.45
CDA 14415	K81	High Performance Alloy 14415	\$364.68	\$5.47
CDA 151	K82	High Performance Alloy 151	\$373.00	\$5.60
CDA 155	K04	High Performance Alloy 155	\$393.00	\$5.90
CDA 18070	K75	High Performance Alloy 18070	\$388.00	\$5.82
CDA 19010	K76	High Performance Alloy 19010	\$379.72	\$5.70
CDA 19210	K80	High Performance Alloy 19210	\$362.84	\$5.44
CDA 194	K65	High Performance Alloy 194	\$360.56	\$5.41
CDA 197	K85	High Performance Alloy 197	\$362.84	\$5.44
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$355.25	\$5.33
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$347.50	\$5.21
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$339.75	\$5.10
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$316.50	\$4.75
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$310.30	\$4.65
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$305.65	\$4.58
CDA 353	Z21	High Leaded Brass	\$301.78	\$4.53
CDA 425	S12	Copper Alloy 425	\$382.62	\$5.74
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$418.95	\$6.28
CDA 511	B14	Phosphor Bronze, 4%	\$407.76	\$6.12
CDA 519	B16	Phosphor Bronze, 6%	\$430.14	\$6.45
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$452.52	\$6.79
CDA 688	S23	Copper-Zn-Al Alloy	\$352.98	\$5.29
CDA 7025	K55	High Performance Alloy 7025	\$401.58	\$6.02
CDA 7026	K50	High Performance Alloy 7026	\$388.72	\$5.83
CDA 7035	K57	High Performance Alloy 7035	\$462.68	\$6.94
CDA 725	L49	Copper-Nickel-Tin	\$501.12	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.12	\$7.20
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$475.25	\$7.13
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$563.48	\$8.45
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$552.63	\$8.29

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ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/26/2019 PM

Supercedes: 12/25/2019 PM



Wieland Metals, Inc.

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Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$366.00	\$5.00
Zinc	\$207.00	-\$1.00
Tin	\$1,489.00	-\$6.00
Nickel	\$1,662.00	-\$4.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$388.00	\$5.82
CDA 102	K11	OFC Copper	\$388.00	\$5.82
CDA 110	K32	ETP Copper	\$366.00	\$5.49
CDA 122	K19	DHP Copper	\$366.00	\$5.49
CDA 14415	K81	High Performance Alloy 14415	\$367.68	\$5.52
CDA 151	K82	High Performance Alloy 151	\$376.00	\$5.64
CDA 155	K04	High Performance Alloy 155	\$396.00	\$5.94
CDA 18070	K75	High Performance Alloy 18070	\$391.00	\$5.87
CDA 19010	K76	High Performance Alloy 19010	\$382.85	\$5.74
CDA 19210	K80	High Performance Alloy 19210	\$365.83	\$5.49
CDA 194	K65	High Performance Alloy 194	\$363.51	\$5.45
CDA 197	K85	High Performance Alloy 197	\$365.83	\$5.49
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$358.05	\$5.37
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$350.10	\$5.25
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$342.15	\$5.13
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$318.30	\$4.77
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$311.94	\$4.68
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$307.17	\$4.61
CDA 353	Z21	High Leaded Brass	\$303.20	\$4.55
CDA 425	S12	Copper Alloy 425	\$385.38	\$5.78
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$422.15	\$6.33
CDA 511	B14	Phosphor Bronze, 4%	\$410.92	\$6.16
CDA 519	B16	Phosphor Bronze, 6%	\$433.38	\$6.50
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$455.84	\$6.84
CDA 688	S23	Copper-Zn-Al Alloy	\$354.96	\$5.32
CDA 7025	K55	High Performance Alloy 7025	\$404.88	\$6.07
CDA 7026	K50	High Performance Alloy 7026	\$391.92	\$5.88
CDA 7035	K57	High Performance Alloy 7035	\$465.78	\$6.99
CDA 725	L49	Copper-Nickel-Tin	\$505.10	\$7.58
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$483.36	\$7.25
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$478.32	\$7.17
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$567.48	\$8.51
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$556.35	\$8.35

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ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/24/2019 PM

Supercedes: 12/23/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$361.00	\$0.00
Zinc	\$208.00	\$0.00
Tin	\$1,495.00	\$0.00
Nickel	\$1,666.00	\$0.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$383.00	\$5.75
CDA 102	K11	OFC Copper	\$383.00	\$5.75
CDA 110	K32	ETP Copper	\$361.00	\$5.42
CDA 122	K19	DHP Copper	\$361.00	\$5.42
CDA 14415	K81	High Performance Alloy 14415	\$362.70	\$5.44
CDA 151	K82	High Performance Alloy 151	\$371.00	\$5.57
CDA 155	K04	High Performance Alloy 155	\$391.00	\$5.87
CDA 18070	K75	High Performance Alloy 18070	\$386.00	\$5.79
CDA 19010	K76	High Performance Alloy 19010	\$377.97	\$5.67
CDA 19210	K80	High Performance Alloy 19210	\$360.84	\$5.41
CDA 194	K65	High Performance Alloy 194	\$358.59	\$5.38
CDA 197	K85	High Performance Alloy 197	\$360.84	\$5.41
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$353.35	\$5.30
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$345.70	\$5.19
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.05	\$5.07
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.10	\$4.73
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$308.98	\$4.63
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$304.39	\$4.57
CDA 353	Z21	High Leaded Brass	\$300.57	\$4.51
CDA 425	S12	Copper Alloy 425	\$381.25	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.70	\$6.27
CDA 511	B14	Phosphor Bronze, 4%	\$406.36	\$6.10
CDA 519	B16	Phosphor Bronze, 6%	\$429.04	\$6.44
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.72	\$6.78
CDA 688	S23	Copper-Zn-Al Alloy	\$351.51	\$5.27
CDA 7025	K55	High Performance Alloy 7025	\$400.15	\$6.00
CDA 7026	K50	High Performance Alloy 7026	\$387.10	\$5.81
CDA 7035	K57	High Performance Alloy 7035	\$461.00	\$6.91
CDA 725	L49	Copper-Nickel-Tin	\$501.13	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.88	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$476.15	\$7.14
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$565.30	\$8.48
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$554.59	\$8.32

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ALLOY PRICE SHEET

Copper and Copper Based Alloys

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Supercedes: 12/20/2019 PM

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Phone (847) 537-3990
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Element Values		Change
Copper	\$361.00	\$0.00
Zinc	\$208.00	-\$2.00
Tin	\$1,495.00	\$6.00
Nickel	\$1,666.00	\$7.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
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CDA 102	K11	OFC Copper	\$383.00	\$5.75
CDA 110	K32	ETP Copper	\$361.00	\$5.42
CDA 122	K19	DHP Copper	\$361.00	\$5.42
CDA 14415	K81	High Performance Alloy 14415	\$362.70	\$5.44
CDA 151	K82	High Performance Alloy 151	\$371.00	\$5.57
CDA 155	K04	High Performance Alloy 155	\$391.00	\$5.87
CDA 18070	K75	High Performance Alloy 18070	\$386.00	\$5.79
CDA 19010	K76	High Performance Alloy 19010	\$377.97	\$5.67
CDA 19210	K80	High Performance Alloy 19210	\$360.84	\$5.41
CDA 194	K65	High Performance Alloy 194	\$358.59	\$5.38
CDA 197	K85	High Performance Alloy 197	\$360.84	\$5.41
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$353.35	\$5.30
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$345.70	\$5.19
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.05	\$5.07
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.10	\$4.73
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$308.98	\$4.63
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$304.39	\$4.57
CDA 353	Z21	High Leaded Brass	\$300.57	\$4.51
CDA 425	S12	Copper Alloy 425	\$381.25	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.70	\$6.27
CDA 511	B14	Phosphor Bronze, 4%	\$406.36	\$6.10
CDA 519	B16	Phosphor Bronze, 6%	\$429.04	\$6.44
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.72	\$6.78
CDA 688	S23	Copper-Zn-Al Alloy	\$351.51	\$5.27
CDA 7025	K55	High Performance Alloy 7025	\$400.15	\$6.00
CDA 7026	K50	High Performance Alloy 7026	\$387.10	\$5.81
CDA 7035	K57	High Performance Alloy 7035	\$461.00	\$6.91
CDA 725	L49	Copper-Nickel-Tin	\$501.13	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.88	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$476.15	\$7.14
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CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$554.59	\$8.32

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Supercedes: 12/19/2019 PM

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Element Values	Change	
Copper	\$361.00	-\$2.00
Zinc	\$210.00	\$1.00
Tin	\$1,489.00	-\$2.00
Nickel	\$1,659.00	\$9.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

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CDA 122	K19	DHP Copper	\$361.00	\$5.42
CDA 14415	K81	High Performance Alloy 14415	\$362.69	\$5.44
CDA 151	K82	High Performance Alloy 151	\$371.00	\$5.57
CDA 155	K04	High Performance Alloy 155	\$391.00	\$5.87
CDA 18070	K75	High Performance Alloy 18070	\$386.00	\$5.79
CDA 19010	K76	High Performance Alloy 19010	\$377.87	\$5.67
CDA 19210	K80	High Performance Alloy 19210	\$360.84	\$5.41
CDA 194	K65	High Performance Alloy 194	\$358.59	\$5.38
CDA 197	K85	High Performance Alloy 197	\$360.84	\$5.41
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$353.45	\$5.30
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$345.90	\$5.19
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.35	\$5.08
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.70	\$4.74
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$309.66	\$4.64
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$305.13	\$4.58
CDA 353	Z21	High Leaded Brass	\$301.36	\$4.52
CDA 425	S12	Copper Alloy 425	\$381.25	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.40	\$6.26
CDA 511	B14	Phosphor Bronze, 4%	\$406.12	\$6.09
CDA 519	B16	Phosphor Bronze, 6%	\$428.68	\$6.43
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.24	\$6.77
CDA 688	S23	Copper-Zn-Al Alloy	\$351.97	\$5.28
CDA 7025	K55	High Performance Alloy 7025	\$399.94	\$6.00
CDA 7026	K50	High Performance Alloy 7026	\$386.96	\$5.80
CDA 7035	K57	High Performance Alloy 7035	\$460.89	\$6.91
CDA 725	L49	Copper-Nickel-Tin	\$500.38	\$7.51
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.52	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$475.87	\$7.14
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$564.44	\$8.47
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$553.87	\$8.31

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/19/2019 PM

Supercedes: 12/18/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$363.00	\$2.00
Zinc	\$209.00	\$1.00
Tin	\$1,491.00	\$2.00
Nickel	\$1,650.00	\$8.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$385.00	\$5.78
CDA 102	K11	OFC Copper	\$385.00	\$5.78
CDA 110	K32	ETP Copper	\$363.00	\$5.45
CDA 122	K19	DHP Copper	\$363.00	\$5.45
CDA 14415	K81	High Performance Alloy 14415	\$364.69	\$5.47
CDA 151	K82	High Performance Alloy 151	\$373.00	\$5.60
CDA 155	K04	High Performance Alloy 155	\$393.00	\$5.90
CDA 18070	K75	High Performance Alloy 18070	\$388.00	\$5.82
CDA 19010	K76	High Performance Alloy 19010	\$379.73	\$5.70
CDA 19210	K80	High Performance Alloy 19210	\$362.84	\$5.44
CDA 194	K65	High Performance Alloy 194	\$360.56	\$5.41
CDA 197	K85	High Performance Alloy 197	\$362.84	\$5.44
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$355.30	\$5.33
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$347.60	\$5.21
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$339.90	\$5.10
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$316.80	\$4.75
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$310.64	\$4.66
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$306.02	\$4.59
CDA 353	Z21	High Leaded Brass	\$302.17	\$4.53
CDA 425	S12	Copper Alloy 425	\$382.98	\$5.74
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$419.40	\$6.29
CDA 511	B14	Phosphor Bronze, 4%	\$408.12	\$6.12
CDA 519	B16	Phosphor Bronze, 6%	\$430.68	\$6.46
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$453.24	\$6.80
CDA 688	S23	Copper-Zn-Al Alloy	\$353.21	\$5.30
CDA 7025	K55	High Performance Alloy 7025	\$401.61	\$6.02
CDA 7026	K50	High Performance Alloy 7026	\$388.74	\$5.83
CDA 7035	K57	High Performance Alloy 7035	\$462.69	\$6.94
CDA 725	L49	Copper-Nickel-Tin	\$501.39	\$7.52
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$480.48	\$7.21
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$475.66	\$7.13
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$563.86	\$8.46
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$553.08	\$8.30

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/18/2019 PM

Supercedes: 12/17/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values		Change
Copper	\$361.00	\$0.00
Zinc	\$208.00	\$0.00
Tin	\$1,489.00	\$2.00
Nickel	\$1,642.00	-\$11.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$383.00	\$5.75
CDA 102	K11	OFC Copper	\$383.00	\$5.75
CDA 110	K32	ETP Copper	\$361.00	\$5.42
CDA 122	K19	DHP Copper	\$361.00	\$5.42
CDA 14415	K81	High Performance Alloy 14415	\$362.69	\$5.44
CDA 151	K82	High Performance Alloy 151	\$371.00	\$5.57
CDA 155	K04	High Performance Alloy 155	\$391.00	\$5.87
CDA 18070	K75	High Performance Alloy 18070	\$386.00	\$5.79
CDA 19010	K76	High Performance Alloy 19010	\$377.65	\$5.66
CDA 19210	K80	High Performance Alloy 19210	\$360.84	\$5.41
CDA 194	K65	High Performance Alloy 194	\$358.59	\$5.38
CDA 197	K85	High Performance Alloy 197	\$360.84	\$5.41
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$353.35	\$5.30
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$345.70	\$5.19
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.05	\$5.07
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.10	\$4.73
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$308.98	\$4.63
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$304.39	\$4.57
CDA 353	Z21	High Leaded Brass	\$300.57	\$4.51
CDA 425	S12	Copper Alloy 425	\$381.07	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.40	\$6.26
CDA 511	B14	Phosphor Bronze, 4%	\$406.12	\$6.09
CDA 519	B16	Phosphor Bronze, 6%	\$428.68	\$6.43
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.24	\$6.77
CDA 688	S23	Copper-Zn-Al Alloy	\$351.51	\$5.27
CDA 7025	K55	High Performance Alloy 7025	\$399.43	\$5.99
CDA 7026	K50	High Performance Alloy 7026	\$386.62	\$5.80
CDA 7035	K57	High Performance Alloy 7035	\$460.64	\$6.91
CDA 725	L49	Copper-Nickel-Tin	\$498.85	\$7.48
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$478.00	\$7.17
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$473.22	\$7.10
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$560.98	\$8.41
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$550.27	\$8.25

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/17/2019 PM

Supercedes: 12/16/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$361.00	-\$1.00
Zinc	\$208.00	\$2.00
Tin	\$1,487.00	\$1.00
Nickel	\$1,653.00	\$1.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$383.00	\$5.75
CDA 102	K11	OFC Copper	\$383.00	\$5.75
CDA 110	K32	ETP Copper	\$361.00	\$5.42
CDA 122	K19	DHP Copper	\$361.00	\$5.42
CDA 14415	K81	High Performance Alloy 14415	\$362.69	\$5.44
CDA 151	K82	High Performance Alloy 151	\$371.00	\$5.57
CDA 155	K04	High Performance Alloy 155	\$391.00	\$5.87
CDA 18070	K75	High Performance Alloy 18070	\$386.00	\$5.79
CDA 19010	K76	High Performance Alloy 19010	\$377.80	\$5.67
CDA 19210	K80	High Performance Alloy 19210	\$360.84	\$5.41
CDA 194	K65	High Performance Alloy 194	\$358.59	\$5.38
CDA 197	K85	High Performance Alloy 197	\$360.84	\$5.41
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$353.35	\$5.30
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$345.70	\$5.19
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.05	\$5.07
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.10	\$4.73
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$308.98	\$4.63
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$304.39	\$4.57
CDA 353	Z21	High Leaded Brass	\$300.57	\$4.51
CDA 425	S12	Copper Alloy 425	\$381.01	\$5.72
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$417.30	\$6.26
CDA 511	B14	Phosphor Bronze, 4%	\$406.04	\$6.09
CDA 519	B16	Phosphor Bronze, 6%	\$428.56	\$6.43
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.08	\$6.77
CDA 688	S23	Copper-Zn-Al Alloy	\$351.51	\$5.27
CDA 7025	K55	High Performance Alloy 7025	\$399.76	\$6.00
CDA 7026	K50	High Performance Alloy 7026	\$386.84	\$5.80
CDA 7035	K57	High Performance Alloy 7035	\$460.80	\$6.91
CDA 725	L49	Copper-Nickel-Tin	\$499.80	\$7.50
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$479.32	\$7.19
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$474.56	\$7.12
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$562.96	\$8.44
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$552.25	\$8.28

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/16/2019 PM

Supercedes: 12/13/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$362.00	\$4.00
Zinc	\$206.00	-\$1.00
Tin	\$1,486.00	-\$1.00
Nickel	\$1,652.00	-\$3.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$384.00	\$5.76
CDA 102	K11	OFC Copper	\$384.00	\$5.76
CDA 110	K32	ETP Copper	\$362.00	\$5.43
CDA 122	K19	DHP Copper	\$362.00	\$5.43
CDA 14415	K81	High Performance Alloy 14415	\$363.69	\$5.46
CDA 151	K82	High Performance Alloy 151	\$372.00	\$5.58
CDA 155	K04	High Performance Alloy 155	\$392.00	\$5.88
CDA 18070	K75	High Performance Alloy 18070	\$387.00	\$5.81
CDA 19010	K76	High Performance Alloy 19010	\$378.77	\$5.68
CDA 19210	K80	High Performance Alloy 19210	\$361.84	\$5.43
CDA 194	K65	High Performance Alloy 194	\$359.57	\$5.39
CDA 197	K85	High Performance Alloy 197	\$361.84	\$5.43
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$354.20	\$5.31
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$346.40	\$5.20
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$338.60	\$5.08
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$315.20	\$4.73
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$308.96	\$4.63
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$304.28	\$4.56
CDA 353	Z21	High Leaded Brass	\$300.38	\$4.51
CDA 425	S12	Copper Alloy 425	\$381.68	\$5.73
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$418.20	\$6.27
CDA 511	B14	Phosphor Bronze, 4%	\$406.96	\$6.10
CDA 519	B16	Phosphor Bronze, 6%	\$429.44	\$6.44
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$451.92	\$6.78
CDA 688	S23	Copper-Zn-Al Alloy	\$351.79	\$5.28
CDA 7025	K55	High Performance Alloy 7025	\$400.70	\$6.01
CDA 7026	K50	High Performance Alloy 7026	\$387.80	\$5.82
CDA 7035	K57	High Performance Alloy 7035	\$461.76	\$6.93
CDA 725	L49	Copper-Nickel-Tin	\$500.58	\$7.51
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$479.36	\$7.19
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$474.45	\$7.12
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$563.00	\$8.45
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$552.08	\$8.28

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/13/2019 PM

Supercedes: 12/12/2019 PM



Element Values		Change
Copper	\$358.00	\$0.00
Zinc	\$207.00	\$2.00
Tin	\$1,487.00	\$1.00
Nickel	\$1,655.00	\$15.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Wieland Metals, Inc.

567 Northgate Parkway
 Wheeling, IL 60090-2682
 Phone (847) 537-3990
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Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$380.00	\$5.70
CDA 102	K11	OFC Copper	\$380.00	\$5.70
CDA 110	K32	ETP Copper	\$358.00	\$5.37
CDA 122	K19	DHP Copper	\$358.00	\$5.37
CDA 14415	K81	High Performance Alloy 14415	\$359.69	\$5.40
CDA 151	K82	High Performance Alloy 151	\$368.00	\$5.52
CDA 155	K04	High Performance Alloy 155	\$388.00	\$5.82
CDA 18070	K75	High Performance Alloy 18070	\$383.00	\$5.75
CDA 19010	K76	High Performance Alloy 19010	\$374.86	\$5.62
CDA 19210	K80	High Performance Alloy 19210	\$357.84	\$5.37
CDA 194	K65	High Performance Alloy 194	\$355.63	\$5.33
CDA 197	K85	High Performance Alloy 197	\$357.84	\$5.37
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$350.45	\$5.26
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$342.90	\$5.14
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$335.35	\$5.03
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$312.70	\$4.69
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$306.66	\$4.60
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$302.13	\$4.53
CDA 353	Z21	High Leaded Brass	\$298.36	\$4.48
CDA 425	S12	Copper Alloy 425	\$378.28	\$5.67
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$414.45	\$6.22
CDA 511	B14	Phosphor Bronze, 4%	\$403.16	\$6.05
CDA 519	B16	Phosphor Bronze, 6%	\$425.74	\$6.39
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$448.32	\$6.72
CDA 688	S23	Copper-Zn-Al Alloy	\$349.08	\$5.24
CDA 7025	K55	High Performance Alloy 7025	\$396.91	\$5.95
CDA 7026	K50	High Performance Alloy 7026	\$383.94	\$5.76
CDA 7035	K57	High Performance Alloy 7035	\$457.93	\$6.87
CDA 725	L49	Copper-Nickel-Tin	\$497.31	\$7.46
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$477.40	\$7.16
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$472.75	\$7.09
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$561.26	\$8.42
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$550.69	\$8.26

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/12/2019 PM

Supercedes: 12/11/2019 PM



Element Values		Change
Copper	\$358.00	\$0.00
Zinc	\$205.00	\$1.00
Tin	\$1,486.00	-\$11.00
Nickel	\$1,640.00	\$13.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Wieland Metals, Inc.

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Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$380.00	\$5.70
CDA 102	K11	OFC Copper	\$380.00	\$5.70
CDA 110	K32	ETP Copper	\$358.00	\$5.37
CDA 122	K19	DHP Copper	\$358.00	\$5.37
CDA 14415	K81	High Performance Alloy 14415	\$359.69	\$5.40
CDA 151	K82	High Performance Alloy 151	\$368.00	\$5.52
CDA 155	K04	High Performance Alloy 155	\$388.00	\$5.82
CDA 18070	K75	High Performance Alloy 18070	\$383.00	\$5.75
CDA 19010	K76	High Performance Alloy 19010	\$374.67	\$5.62
CDA 19210	K80	High Performance Alloy 19210	\$357.84	\$5.37
CDA 194	K65	High Performance Alloy 194	\$355.63	\$5.33
CDA 197	K85	High Performance Alloy 197	\$357.84	\$5.37
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$350.35	\$5.26
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$342.70	\$5.14
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$335.05	\$5.03
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$312.10	\$4.68
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$305.98	\$4.59
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$301.39	\$4.52
CDA 353	Z21	High Leaded Brass	\$297.57	\$4.46
CDA 425	S12	Copper Alloy 425	\$378.07	\$5.67
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$414.40	\$6.22
CDA 511	B14	Phosphor Bronze, 4%	\$403.12	\$6.05
CDA 519	B16	Phosphor Bronze, 6%	\$425.68	\$6.39
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$448.24	\$6.72
CDA 688	S23	Copper-Zn-Al Alloy	\$348.63	\$5.23
CDA 7025	K55	High Performance Alloy 7025	\$396.46	\$5.95
CDA 7026	K50	High Performance Alloy 7026	\$383.64	\$5.75
CDA 7035	K57	High Performance Alloy 7035	\$457.70	\$6.87
CDA 725	L49	Copper-Nickel-Tin	\$495.94	\$7.44
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$475.12	\$7.13
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$470.34	\$7.06
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$558.16	\$8.37
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$547.45	\$8.21

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/11/2019 PM

Supercedes: 12/10/2019 PM

wieland

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Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$358.00	\$3.00
Zinc	\$204.00	\$0.00
Tin	\$1,497.00	\$5.00
Nickel	\$1,627.00	\$21.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 % ** effective 1/1/2020 the Metal Surcharge will follow Aggregate Metal Surcharge table

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Surcharge (\$/100 lbs) **
CDA 101	K09	OFE Copper	\$380.00	\$5.70
CDA 102	K11	OFC Copper	\$380.00	\$5.70
CDA 110	K32	ETP Copper	\$358.00	\$5.37
CDA 122	K19	DHP Copper	\$358.00	\$5.37
CDA 14415	K81	High Performance Alloy 14415	\$359.71	\$5.40
CDA 151	K82	High Performance Alloy 151	\$368.00	\$5.52
CDA 155	K04	High Performance Alloy 155	\$388.00	\$5.82
CDA 18070	K75	High Performance Alloy 18070	\$383.00	\$5.75
CDA 19010	K76	High Performance Alloy 19010	\$374.50	\$5.62
CDA 19210	K80	High Performance Alloy 19210	\$357.84	\$5.37
CDA 194	K65	High Performance Alloy 194	\$355.63	\$5.33
CDA 197	K85	High Performance Alloy 197	\$357.84	\$5.37
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$350.30	\$5.25
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$342.60	\$5.14
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$334.90	\$5.02
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$311.80	\$4.68
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$305.64	\$4.58
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$301.02	\$4.52
CDA 353	Z21	High Leaded Brass	\$297.17	\$4.46
CDA 425	S12	Copper Alloy 425	\$378.31	\$5.67
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$414.95	\$6.22
CDA 511	B14	Phosphor Bronze, 4%	\$403.56	\$6.05
CDA 519	B16	Phosphor Bronze, 6%	\$426.34	\$6.40
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$449.12	\$6.74
CDA 688	S23	Copper-Zn-Al Alloy	\$348.40	\$5.23
CDA 7025	K55	High Performance Alloy 7025	\$396.07	\$5.94
CDA 7026	K50	High Performance Alloy 7026	\$383.38	\$5.75
CDA 7035	K57	High Performance Alloy 7035	\$457.51	\$6.86
CDA 725	L49	Copper-Nickel-Tin	\$494.99	\$7.42
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$473.32	\$7.10
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$468.47	\$7.03
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$555.62	\$8.33
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$544.84	\$8.17

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/10/2019 PM

Supercedes: 12/09/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values		Change
Copper	\$355.00	\$1.00
Zinc	\$204.00	-\$1.00
Tin	\$1,492.00	\$9.00
Nickel	\$1,606.00	-\$6.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$377.00	\$5.66
CDA 102	K11	OFC Copper	\$377.00	\$5.66
CDA 110	K32	ETP Copper	\$355.00	\$5.33
CDA 122	K19	DHP Copper	\$355.00	\$5.33
CDA 14415	K81	High Performance Alloy 14415	\$356.71	\$5.35
CDA 151	K82	High Performance Alloy 151	\$365.00	\$5.48
CDA 155	K04	High Performance Alloy 155	\$385.00	\$5.78
CDA 18070	K75	High Performance Alloy 18070	\$380.00	\$5.70
CDA 19010	K76	High Performance Alloy 19010	\$371.26	\$5.57
CDA 19210	K80	High Performance Alloy 19210	\$354.85	\$5.32
CDA 194	K65	High Performance Alloy 194	\$352.68	\$5.29
CDA 197	K85	High Performance Alloy 197	\$354.85	\$5.32
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$347.45	\$5.21
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$339.90	\$5.10
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$332.35	\$4.99
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$309.70	\$4.65
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$303.66	\$4.55
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$299.13	\$4.49
CDA 353	Z21	High Leaded Brass	\$295.36	\$4.43
CDA 425	S12	Copper Alloy 425	\$375.52	\$5.63
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$411.85	\$6.18
CDA 511	B14	Phosphor Bronze, 4%	\$400.48	\$6.01
CDA 519	B16	Phosphor Bronze, 6%	\$423.22	\$6.35
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$445.96	\$6.69
CDA 688	S23	Copper-Zn-Al Alloy	\$346.19	\$5.19
CDA 7025	K55	High Performance Alloy 7025	\$392.53	\$5.89
CDA 7026	K50	High Performance Alloy 7026	\$380.02	\$5.70
CDA 7035	K57	High Performance Alloy 7035	\$454.29	\$6.81
CDA 725	L49	Copper-Nickel-Tin	\$490.33	\$7.35
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$468.88	\$7.03
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$464.13	\$6.96
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$549.98	\$8.25
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$539.41	\$8.09

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/09/2019 PM

Supercedes: 12/06/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$354.00	\$3.00
Zinc	\$205.00	-\$1.00
Tin	\$1,483.00	\$11.00
Nickel	\$1,612.00	-\$10.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$376.00	\$5.64
CDA 102	K11	OFC Copper	\$376.00	\$5.64
CDA 110	K32	ETP Copper	\$354.00	\$5.31
CDA 122	K19	DHP Copper	\$354.00	\$5.31
CDA 14415	K81	High Performance Alloy 14415	\$355.69	\$5.34
CDA 151	K82	High Performance Alloy 151	\$364.00	\$5.46
CDA 155	K04	High Performance Alloy 155	\$384.00	\$5.76
CDA 18070	K75	High Performance Alloy 18070	\$379.00	\$5.69
CDA 19010	K76	High Performance Alloy 19010	\$370.35	\$5.56
CDA 19210	K80	High Performance Alloy 19210	\$353.85	\$5.31
CDA 194	K65	High Performance Alloy 194	\$351.69	\$5.28
CDA 197	K85	High Performance Alloy 197	\$353.85	\$5.31
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$346.55	\$5.20
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$339.10	\$5.09
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$331.65	\$4.97
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$309.30	\$4.64
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$303.34	\$4.55
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$298.87	\$4.48
CDA 353	Z21	High Leaded Brass	\$295.15	\$4.43
CDA 425	S12	Copper Alloy 425	\$374.46	\$5.62
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$410.45	\$6.16
CDA 511	B14	Phosphor Bronze, 4%	\$399.16	\$5.99
CDA 519	B16	Phosphor Bronze, 6%	\$421.74	\$6.33
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$444.32	\$6.66
CDA 688	S23	Copper-Zn-Al Alloy	\$345.69	\$5.19
CDA 7025	K55	High Performance Alloy 7025	\$391.74	\$5.88
CDA 7026	K50	High Performance Alloy 7026	\$379.16	\$5.69
CDA 7035	K57	High Performance Alloy 7035	\$453.41	\$6.80
CDA 725	L49	Copper-Nickel-Tin	\$489.80	\$7.35
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$469.20	\$7.04
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$464.56	\$6.97
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$550.64	\$8.26
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$540.21	\$8.10

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/06/2019 PM

Supercedes: 12/05/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$351.00	\$7.00
Zinc	\$206.00	\$0.00
Tin	\$1,472.00	-\$1.00
Nickel	\$1,622.00	\$11.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$373.00	\$5.60
CDA 102	K11	OFC Copper	\$373.00	\$5.60
CDA 110	K32	ETP Copper	\$351.00	\$5.27
CDA 122	K19	DHP Copper	\$351.00	\$5.27
CDA 14415	K81	High Performance Alloy 14415	\$352.68	\$5.29
CDA 151	K82	High Performance Alloy 151	\$361.00	\$5.42
CDA 155	K04	High Performance Alloy 155	\$381.00	\$5.72
CDA 18070	K75	High Performance Alloy 18070	\$376.00	\$5.64
CDA 19010	K76	High Performance Alloy 19010	\$367.52	\$5.51
CDA 19210	K80	High Performance Alloy 19210	\$350.85	\$5.26
CDA 194	K65	High Performance Alloy 194	\$348.74	\$5.23
CDA 197	K85	High Performance Alloy 197	\$350.85	\$5.26
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$343.75	\$5.16
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$336.50	\$5.05
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$329.25	\$4.94
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$307.50	\$4.61
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$301.70	\$4.53
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$297.35	\$4.46
CDA 353	Z21	High Leaded Brass	\$293.73	\$4.41
CDA 425	S12	Copper Alloy 425	\$371.58	\$5.57
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$407.05	\$6.11
CDA 511	B14	Phosphor Bronze, 4%	\$395.84	\$5.94
CDA 519	B16	Phosphor Bronze, 6%	\$418.26	\$6.27
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$440.68	\$6.61
CDA 688	S23	Copper-Zn-Al Alloy	\$343.71	\$5.16
CDA 7025	K55	High Performance Alloy 7025	\$389.13	\$5.84
CDA 7026	K50	High Performance Alloy 7026	\$376.42	\$5.65
CDA 7035	K57	High Performance Alloy 7035	\$450.66	\$6.76
CDA 725	L49	Copper-Nickel-Tin	\$487.81	\$7.32
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$468.72	\$7.03
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$464.30	\$6.96
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$550.78	\$8.26
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$540.63	\$8.11

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/05/2019 PM

Supercedes: 12/04/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values	Change	
Copper	\$344.00	\$0.00
Zinc	\$206.00	\$0.00
Tin	\$1,473.00	\$2.00
Nickel	\$1,611.00	-\$4.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$366.00	\$5.49
CDA 102	K11	OFC Copper	\$366.00	\$5.49
CDA 110	K32	ETP Copper	\$344.00	\$5.16
CDA 122	K19	DHP Copper	\$344.00	\$5.16
CDA 14415	K81	High Performance Alloy 14415	\$345.69	\$5.19
CDA 151	K82	High Performance Alloy 151	\$354.00	\$5.31
CDA 155	K04	High Performance Alloy 155	\$374.00	\$5.61
CDA 18070	K75	High Performance Alloy 18070	\$369.00	\$5.54
CDA 19010	K76	High Performance Alloy 19010	\$360.47	\$5.41
CDA 19210	K80	High Performance Alloy 19210	\$343.86	\$5.16
CDA 194	K65	High Performance Alloy 194	\$341.84	\$5.13
CDA 197	K85	High Performance Alloy 197	\$343.86	\$5.16
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$337.10	\$5.06
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$330.20	\$4.95
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$323.30	\$4.85
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$302.60	\$4.54
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$297.08	\$4.46
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$292.94	\$4.39
CDA 353	Z21	High Leaded Brass	\$289.49	\$4.34
CDA 425	S12	Copper Alloy 425	\$365.45	\$5.48
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$400.45	\$6.01
CDA 511	B14	Phosphor Bronze, 4%	\$389.16	\$5.84
CDA 519	B16	Phosphor Bronze, 6%	\$411.74	\$6.18
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$434.32	\$6.51
CDA 688	S23	Copper-Zn-Al Alloy	\$338.56	\$5.08
CDA 7025	K55	High Performance Alloy 7025	\$382.01	\$5.73
CDA 7026	K50	High Performance Alloy 7026	\$369.34	\$5.54
CDA 7035	K57	High Performance Alloy 7035	\$443.72	\$6.66
CDA 725	L49	Copper-Nickel-Tin	\$480.61	\$7.21
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$462.92	\$6.94
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$458.83	\$6.88
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$544.46	\$8.17
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$534.80	\$8.02

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/04/2019 PM

Supercedes: 12/03/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values		Change
Copper	\$344.00	\$4.00
Zinc	\$206.00	\$2.00
Tin	\$1,471.00	\$5.00
Nickel	\$1,615.00	-\$15.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$366.00	\$5.49
CDA 102	K11	OFC Copper	\$366.00	\$5.49
CDA 110	K32	ETP Copper	\$344.00	\$5.16
CDA 122	K19	DHP Copper	\$344.00	\$5.16
CDA 14415	K81	High Performance Alloy 14415	\$345.69	\$5.19
CDA 151	K82	High Performance Alloy 151	\$354.00	\$5.31
CDA 155	K04	High Performance Alloy 155	\$374.00	\$5.61
CDA 18070	K75	High Performance Alloy 18070	\$369.00	\$5.54
CDA 19010	K76	High Performance Alloy 19010	\$360.52	\$5.41
CDA 19210	K80	High Performance Alloy 19210	\$343.86	\$5.16
CDA 194	K65	High Performance Alloy 194	\$341.84	\$5.13
CDA 197	K85	High Performance Alloy 197	\$343.86	\$5.16
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$337.10	\$5.06
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$330.20	\$4.95
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$323.30	\$4.85
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$302.60	\$4.54
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$297.08	\$4.46
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$292.94	\$4.39
CDA 353	Z21	High Leaded Brass	\$289.49	\$4.34
CDA 425	S12	Copper Alloy 425	\$365.39	\$5.48
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$400.35	\$6.01
CDA 511	B14	Phosphor Bronze, 4%	\$389.08	\$5.84
CDA 519	B16	Phosphor Bronze, 6%	\$411.62	\$6.17
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$434.16	\$6.51
CDA 688	S23	Copper-Zn-Al Alloy	\$338.56	\$5.08
CDA 7025	K55	High Performance Alloy 7025	\$382.13	\$5.73
CDA 7026	K50	High Performance Alloy 7026	\$369.42	\$5.54
CDA 7035	K57	High Performance Alloy 7035	\$443.78	\$6.66
CDA 725	L49	Copper-Nickel-Tin	\$480.93	\$7.21
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$463.40	\$6.95
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$459.32	\$6.89
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$545.18	\$8.18
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$535.52	\$8.03

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/03/2019 PM

Supercedes: 12/02/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values		Change
Copper	\$340.00	-\$3.00
Zinc	\$204.00	-\$3.00
Tin	\$1,466.00	\$11.00
Nickel	\$1,630.00	-\$2.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$362.00	\$5.43
CDA 102	K11	OFC Copper	\$362.00	\$5.43
CDA 110	K32	ETP Copper	\$340.00	\$5.10
CDA 122	K19	DHP Copper	\$340.00	\$5.10
CDA 14415	K81	High Performance Alloy 14415	\$341.69	\$5.13
CDA 151	K82	High Performance Alloy 151	\$350.00	\$5.25
CDA 155	K04	High Performance Alloy 155	\$370.00	\$5.55
CDA 18070	K75	High Performance Alloy 18070	\$365.00	\$5.48
CDA 19010	K76	High Performance Alloy 19010	\$356.77	\$5.35
CDA 19210	K80	High Performance Alloy 19210	\$339.86	\$5.10
CDA 194	K65	High Performance Alloy 194	\$337.90	\$5.07
CDA 197	K85	High Performance Alloy 197	\$339.86	\$5.10
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$333.20	\$5.00
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$326.40	\$4.90
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$319.60	\$4.79
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$299.20	\$4.49
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$293.76	\$4.41
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$289.68	\$4.35
CDA 353	Z21	High Leaded Brass	\$286.28	\$4.29
CDA 425	S12	Copper Alloy 425	\$361.54	\$5.42
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$396.30	\$5.94
CDA 511	B14	Phosphor Bronze, 4%	\$385.04	\$5.78
CDA 519	B16	Phosphor Bronze, 6%	\$407.56	\$6.11
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$430.08	\$6.45
CDA 688	S23	Copper-Zn-Al Alloy	\$335.17	\$5.03
CDA 7025	K55	High Performance Alloy 7025	\$378.70	\$5.68
CDA 7026	K50	High Performance Alloy 7026	\$365.80	\$5.49
CDA 7035	K57	High Performance Alloy 7035	\$440.13	\$6.60
CDA 725	L49	Copper-Nickel-Tin	\$478.62	\$7.18
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$462.16	\$6.93
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$458.21	\$6.87
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$545.00	\$8.18
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$535.48	\$8.03

*Daily fluctuations and the overall volatility of the current market require modifications in determining the metal prices. Therefore, we reserve the right to base the final price confirmation on the prevailing metal value at the time of Wieland's metal fixation on the open market.

ALLOY PRICE SHEET

Copper and Copper Based Alloys

Effective as of: * 12/02/2019 PM

Supercedes: 11/29/2019 PM

wieland

Wieland Metals, Inc.

567 Northgate Parkway
Wheeling, IL 60090-2682
Phone (847) 537-3990
Fax (847) 537-4085

Element Values		Change
Copper	\$343.00	-\$4.00
Zinc	\$207.00	-\$2.00
Tin	\$1,455.00	\$6.00
Nickel	\$1,632.00	-\$37.00
Aluminum	\$240.00	\$0.00
Cobalt	\$7,700.00	\$0.00
Iron	\$200.00	\$0.00

Metal Adder Surcharge % 1.50 %

Visit us on the web, click on <http://www.wielandmetals.com> - Alloy Price Sheet available online

Alloy	Wieland	Description	Metal Value (\$/100 lbs)	Metal Adder (\$/100 lbs)
CDA 101	K09	OFE Copper	\$365.00	\$5.48
CDA 102	K11	OFC Copper	\$365.00	\$5.48
CDA 110	K32	ETP Copper	\$343.00	\$5.15
CDA 122	K19	DHP Copper	\$343.00	\$5.15
CDA 14415	K81	High Performance Alloy 14415	\$344.67	\$5.17
CDA 151	K82	High Performance Alloy 151	\$353.00	\$5.30
CDA 155	K04	High Performance Alloy 155	\$373.00	\$5.60
CDA 18070	K75	High Performance Alloy 18070	\$368.00	\$5.52
CDA 19010	K76	High Performance Alloy 19010	\$359.76	\$5.40
CDA 19210	K80	High Performance Alloy 19210	\$342.86	\$5.14
CDA 194	K65	High Performance Alloy 194	\$340.86	\$5.11
CDA 197	K85	High Performance Alloy 197	\$342.86	\$5.14
CDA 210	M05	Gilding Metal, 95% Cu / 5% Zn	\$336.20	\$5.04
CDA 220	M10	Commercial Bronze, 90% Cu / 10% Zn	\$329.40	\$4.94
CDA 230	M15	Red Brass, 85% Cu / 15% Zn	\$322.60	\$4.84
CDA 260	M30	Cartridge Brass 70% Cu / 30% Zn	\$302.20	\$4.53
CDA 268	M33	Yellow Brass 66% Cu / 34% Zn	\$296.76	\$4.45
CDA 272	M38	Yellow Brass 63% Cu / 37% Zn	\$292.68	\$4.39
CDA 353	Z21	High Leaded Brass	\$289.28	\$4.34
CDA 425	S12	Copper Alloy 425	\$364.12	\$5.46
CDA 510	B15	Phosphor Bronze Grade A, 5%	\$398.60	\$5.98
CDA 511	B14	Phosphor Bronze, 4%	\$387.48	\$5.81
CDA 519	B16	Phosphor Bronze, 6%	\$409.72	\$6.15
CDA 521	B18	Phosphor Bronze Grade C, 8%	\$431.96	\$6.48
CDA 688	S23	Copper-Zn-Al Alloy	\$338.05	\$5.07
CDA 7025	K55	High Performance Alloy 7025	\$381.67	\$5.73
CDA 7026	K50	High Performance Alloy 7026	\$368.78	\$5.53
CDA 7035	K57	High Performance Alloy 7035	\$443.06	\$6.65
CDA 725	L49	Copper-Nickel-Tin	\$481.25	\$7.22
CDA 757	N12	Nickel Silver 64%Cu/12%Ni	\$465.04	\$6.98
CDA 762	N11	Nickel Silver 59%Cu/12.2%Ni	\$461.09	\$6.92
CDA 764	N18	Nickel Silver 62%Cu/18%Ni	\$547.82	\$8.22
CDA 770	N17	Nickel Silver 55%Cu/18%Ni	\$538.30	\$8.07

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