



January 11, 2012

February 2012 Scrap Surcharge Announcement

To You, Our Valued Customer:

Effective with shipments January 1, 2007 the scrap surcharge will be calculated monthly using a base of \$115.00/ton. It will be based on the average price for # 1 bundles as published in the AMM on the 10th of each month for Chicago, Cleveland, and Pittsburgh.

As of January 10, 2012 the three-city average for No. 1 Bundles was \$515.00/ton. Using our revised method the February 2012 scrap surcharge for SBQ product is \$400.00/ton (\$20.00/cwt). This represents an increase compared to January.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill
Sales & Marketing Manager



January 11, 2012

February 2012 Alloy Surcharge Announcement

Effective February 1, 2012, alloy surcharges on Ferromolybdenum, Nickel, LC & HC ferrochrome, HC ferromanganese and Ferrovandium are outlined as follows. Alloy surcharges will be calculated monthly and charged as a separate line item to each invoice based on the steel grade.

- The base cost or trigger point for Ferromolybdenum is \$4.00/lb, Nickel is \$3.50/lb, Ferrovandium is \$6.00/lb, HC Ferrochrome is \$0.50/LB, LC ferrochrome is \$0.75/lb, and HC ferromanganese \$0.40/lb.
- The yield factor is 85% on Ferromolybdenum, Nickel, Ferrovandium, and HC ferromanganese, 70% on Ferrochrome.
- The source of the current market price for Ferromolybdenum, Ferrovandium, Ferrochrome, and HC Ferromanganese is the mid-point in the range of Ryan's Notes, as published on the 10th of the preceding month.
- The source of the market price of nickel is the London Metal Exchange average cash buyer average for the first ten days of the preceding month.
- The alloy surcharges are calculated by using these published prices, less the base cost, divided by surcharge is then converted to a price per ton. the yield factor, then multiplied by the mid-point of the alloy bearing grade range. This cwt
- The HC Ferromanganese surcharge is based on the minimum weight addition for all grades.

	*LC ferrochrome	HC ferrochrome	Ferro molybdenum	Nickel	Ferro vanadium	HC ferromanganese
January 10th Index Value	\$2.13	\$1.11	\$16.13	\$8.46	\$13.63	\$0.62
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
February 2012 Surcharge/lb.	\$1.97	\$0.87	\$14.27	\$5.84	\$8.98	\$0.12cwt

The calculations shown refer only to standard AISI grades and should be used as a guideline only. Actual surcharges will be based on individual specifications and their respective alloy content.

To address the volatility and unprecedented costs associated with Ferrochrome, Ferromolybdenum, Nickel, Ferrovandium and HC ferromanganese, effective July 1, 2007 we will review alloy surcharges on the 10th of each month for prompt orders. Prompt orders are defined as orders received and acknowledged after the 10th of the month to be produced and shipped in the current month. A deviation greater than 5% from our published index values, for the month, will result in applying the new surcharge value for the balance of the month.

***LC ferrochrome is specified for certain Melt Grades and will be priced accordingly.**

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
1033V	Ferrovandium	.125	\$1.12	\$1.12
10V40 QL2	Ferrovandium	.100	\$0.90	\$0.90
10V43 B156	Ferrovandium	.095	\$0.85	\$0.85
10V45	Ferrovandium	.100	\$0.90	\$0.90
10V45 QL2	Ferrovandium	.100	\$0.90	\$0.90
10V45 RES10172	Ferrovandium	.150	\$1.35	\$1.35
1141 V FG	Ferrovandium	.060	\$0.54	\$0.54
11V41	Ferrovandium	.100	\$0.90	\$0.90
11V41 QL2	Ferrovandium	.100	\$0.90	\$0.90
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.63 \$26.10	\$26.73
13%Cr/420 Mod	Ferrochromium LC	13.250	\$26.10	\$26.10
1518-7	Ferrovandium	.075	\$0.67	\$0.67
1522 MOD	Ferrovandium	.060	\$0.54	\$0.54
1590 UHC	Ferrochromium HC	.280	\$0.24	\$0.24
15B29 Mod	Ferromolybdenum	.150	\$2.14	\$2.14
15V10M	Ferrovandium	.030	\$0.27	\$0.27
15V16	Ferrovandium	.085	\$0.76	\$0.76
15V16 LF6	Ferrovandium	.085	\$0.76	\$0.76
15V24	Ferrovandium	.075	\$0.67	\$0.67
15V27M	Ferrovandium	.075	\$0.67	\$0.67
15V30	Ferrovandium	.135	\$1.21	\$1.21
15V37M 1E1586	Ferrovandium	.085	\$0.76	\$0.76
15V38M	Ferrovandium	.090	\$0.81	\$0.81
15V45M	Ferrovandium	.125	\$1.12	\$1.12
15V45M 1E1106	Ferrovandium	.130	\$1.17	\$1.17



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
16MnCr5	Ferrochromium HC	1.050	\$0.91	\$0.91
16MnCrS5	Ferrochromium HC	1.050	\$0.91	\$0.91
17MnV7	Ferrovandium	.120	\$1.08	\$1.08
1E1371	Ferromolybdenum Ferrovandium Ferrochromium HC	.350 .095 1.800	\$4.99 \$0.85 \$1.57	\$7.41
1E1497	Ferrovandium Ferrochromium HC	.100 .150	\$0.90 \$0.13	\$1.03
20MnCR5	Ferrochromium HC	1.200	\$1.04	\$1.04
20MnCrS5	Ferrochromium HC	1.150	\$1.00	\$1.00
25MoCr4	Ferromolybdenum Ferrochromium HC	.440 .900	\$6.28 \$0.78	\$7.06
25MoCr4 Ver 50	Ferromolybdenum Ferrochromium HC	.425 .870	\$6.06 \$0.76	\$6.82
25MoCrS4 Hay1	Ferromolybdenum Ferrochromium HC	.425 .950	\$6.06 \$0.83	\$6.89
25MoCrS4 Hay2	Ferromolybdenum Ferrochromium HC	.425 .950	\$6.06 \$0.83	\$6.89
30MnVS6	Ferrovandium	.115	\$1.03	\$1.03
30MnVS6-VD	Ferrovandium	.110	\$0.99	\$0.99
35MnVS4	Ferrovandium Ferrochromium HC	.200 .150	\$1.80 \$0.13	\$1.93
38MnSiVS5	Ferrovandium	.110	\$0.99	\$0.99
38MnVS6	Ferrovandium	.110	\$0.99	\$0.99
4023	Ferromolybdenum	.250	\$3.57	\$3.57
4027	Ferromolybdenum	.260	\$3.71	\$3.71
40BV40 Mod	Ferromolybdenum Ferrovandium	.355 .100	\$5.07 \$0.90	\$5.97
40BV40M 1E4146	Ferromolybdenum Ferrovandium	.355 .100	\$5.07 \$0.90	\$5.97
4118	Ferromolybdenum Ferrochromium HC	.115 .500	\$1.64 \$0.44	\$2.08



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4118-8/BQ	Ferromolybdenum	.115	\$1.64	\$2.08
	Ferrochromium HC	.500	\$0.44	
4118/4118-2	Ferromolybdenum	.115	\$1.64	\$2.08
	Ferrochromium HC	.500	\$0.44	
4120	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4120 QL2	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4120 QL3	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4120H B81	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4120H QL2	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4120M 1E1120	Ferromolybdenum	.165	\$2.35	\$2.85
	Ferrochromium HC	.575	\$0.50	
4120RH QL4	Ferromolybdenum	.170	\$2.43	\$2.88
	Ferrochromium HC	.520	\$0.45	
4122M	Ferromolybdenum	.170	\$2.43	\$2.87
	Ferrochromium HC	.500	\$0.44	
4122M 1E0778	Ferromolybdenum	.225	\$3.21	\$3.93
	Ferrochromium HC	.825	\$0.72	
4122M 1E1054	Ferromolybdenum	.325	\$4.64	\$5.44
	Ferrochromium HC	.925	\$0.80	
4124 M	Ferromolybdenum	.400	\$5.71	\$7.80
	Nickel	.205	\$1.20	
	Ferrochromium HC	1.025	\$0.89	
4124M	Ferromolybdenum	.170	\$2.43	\$3.00
	Ferrochromium HC	.650	\$0.57	
4124M B222	Ferromolybdenum	.170	\$2.43	\$3.00
	Ferrochromium HC	.650	\$0.57	
4124M B222-8	Ferromolybdenum	.300	\$4.28	\$4.89
	Ferrochromium HC	.700	\$0.61	
4128	Ferromolybdenum	.350	\$4.99	\$7.41
	Ferrovandium	.095	\$0.85	
	Ferrochromium HC	1.800	\$1.57	
4128M	Ferromolybdenum	.390	\$5.57	
	Ferrovandium	.100	\$0.90	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4128M	Ferchromium HC	1.800	\$1.57	\$8.04
4129M	Ferromolybdenum	.300	\$4.28	\$5.32
	Ferchromium HC	1.200	\$1.04	
4130	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 1E1058	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 AQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 CGL-2	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 ES220	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 MBQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130 Mod	Ferromolybdenum	.650	\$9.28	\$10.15
	Ferchromium HC	1.000	\$0.87	
4130 TW051592	Ferromolybdenum	.220	\$3.14	\$4.01
	Ferchromium HC	1.000	\$0.87	
4130-4 MS	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130-5/4130	Ferromolybdenum	.200	\$2.85	\$3.75
	Ferchromium HC	1.040	\$0.90	
4130-9/4130M	Ferromolybdenum	.225	\$3.21	\$5.25
	Nickel	.200	\$1.17	
	Ferchromium HC	1.000	\$0.87	
4130/4130H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130A	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130B AQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130B Mod	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferchromium HC	.950	\$0.83	
4130M 1E2737	Ferromolybdenum	.200	\$2.85	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130M 1E2737	Ferrochromium HC	.950	\$0.83	\$3.68
4130M TW032808	Ferromolybdenum	.220	\$3.14	
	Ferrovandium	.060	\$0.54	
	Ferrochromium HC	1.050	\$0.91	\$4.59
4130M TW061206	Ferromolybdenum	.275	\$3.92	
	Ferrovandium	.040	\$0.36	
	Ferrochromium HC	1.100	\$0.96	\$5.24
4130U	Ferromolybdenum	.225	\$3.21	
	Ferrochromium HC	.950	\$0.83	\$4.04
4132 MS362	Ferromolybdenum	.650	\$9.28	
	Ferrochromium HC	1.250	\$1.09	\$10.37
4135	Ferromolybdenum	.315	\$4.50	
	Ferrochromium HC	1.100	\$0.96	\$5.46
4135 B73	Ferromolybdenum	.200	\$2.85	
	Ferrochromium HC	1.000	\$0.87	\$3.72
4135H Mod	Ferromolybdenum	.315	\$4.50	
	Ferrochromium HC	1.100	\$0.96	\$5.46
4135H QL2	Ferromolybdenum	.200	\$2.85	
	Ferrochromium HC	.950	\$0.83	\$3.68
4137	Ferromolybdenum	.200	\$2.85	
	Ferrochromium HC	.950	\$0.83	\$3.68
4137 M	Ferromolybdenum	.275	\$3.92	
	Ferrochromium HC	1.100	\$0.96	\$4.88
4137 MS303	Ferromolybdenum	.300	\$4.28	
	Ferrochromium HC	1.100	\$0.96	\$5.24
4137 MS309	Ferromolybdenum	.300	\$4.28	
	Ferrochromium HC	1.100	\$0.96	\$5.24
4137 MS371	Ferromolybdenum	.300	\$4.28	
	Ferrochromium HC	1.100	\$0.96	\$5.24
4137 Mod	Ferromolybdenum	.325	\$4.64	
	Ferrochromium HC	1.125	\$0.98	\$5.62
4137H	Ferromolybdenum	.200	\$2.85	
	Ferrochromium HC	.950	\$0.83	\$3.68
4137M	Ferromolybdenum	.300	\$4.28	
	Ferrochromium HC	1.100	\$0.96	\$5.24
4137M 341	Ferromolybdenum	.300	\$4.28	
	Ferrochromium HC	1.050	\$0.91	\$5.19

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4137M MS364	Ferromolybdenum	.300	\$4.28	\$5.24
	Ferrochromium HC	1.100	\$0.96	
4140	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 1E509	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 A1	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 AQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 BQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 LS	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 M	Ferromolybdenum	.200	\$2.85	\$5.37
	Nickel	.350	\$2.04	
	Ferrochromium HC	.550	\$0.48	
4140 MS450	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 Off Chem	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 QL2	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140 QL3	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140/4140H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140/4142	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140/4142H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140/42	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140A	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140B	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140H B74-1	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140H QL2	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140H QL3	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140H/42 QL2	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4140M	Ferromolybdenum	.250	\$3.57	\$4.53
	Ferrochromium HC	1.100	\$0.96	
4140M B74-R	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4141-5/4140	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4142	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4142/4145H Mod	Ferromolybdenum	.300	\$4.28	\$5.24
	Ferrochromium HC	1.100	\$0.96	
4145	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4145H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4145H Mod	Ferromolybdenum	.300	\$4.28	\$5.24
	Ferrochromium HC	1.100	\$0.96	
4145H QL2	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4145M	Ferromolybdenum	.250	\$3.57	\$4.53
	Ferrochromium HC	1.100	\$0.96	
4145M 346	Ferromolybdenum	.310	\$4.42	\$5.38
	Ferrochromium HC	1.100	\$0.96	
4150	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4150H	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrochromium HC	.950	\$0.83	
4150H 1E9999	Ferromolybdenum	.200	\$2.85	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4150H 1E9999	Ferrocromium HC	.950	\$0.83	\$3.68
4150H AQ	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrocromium HC	.950	\$0.83	
4150RS	Ferromolybdenum	.200	\$2.85	\$3.59
	Ferrocromium HC	.850	\$0.74	
4161/4161H	Ferromolybdenum	.300	\$4.28	\$4.98
	Ferrocromium HC	.800	\$0.70	
4163M	Ferromolybdenum	.150	\$2.14	\$3.29
	Ferrovandium	.050	\$0.45	
	Ferrocromium HC	.800	\$0.70	
4164M	Ferromolybdenum	.080	\$1.14	\$2.55
	Ferrovandium	.065	\$0.58	
	Ferrocromium HC	.950	\$0.83	
41B17 1E0951	Ferromolybdenum	.150	\$2.14	\$2.60
	Ferrocromium HC	.525	\$0.46	
41B30M	Ferromolybdenum	.200	\$2.85	\$3.68
	Ferrocromium HC	.950	\$0.83	
41B30M 1E0997	Ferromolybdenum	.170	\$2.43	\$2.89
	Ferrocromium HC	.525	\$0.46	
41B30M 1E1671	Ferromolybdenum	.170	\$2.43	\$2.89
	Ferrocromium HC	.525	\$0.46	
41B30M QL3	Ferromolybdenum	.160	\$2.28	\$2.76
	Ferrocromium HC	.550	\$0.48	
41B31M	Ferromolybdenum	.375	\$5.35	\$6.74
	Ferrocromium HC	1.600	\$1.39	
41B33M 1E4415	Ferromolybdenum	.165	\$2.35	\$2.81
	Ferrocromium HC	.525	\$0.46	
41B35M 1E1013	Ferromolybdenum	.075	\$1.07	\$1.51
	Ferrocromium HC	.500	\$0.44	
41V37 Mod	Ferromolybdenum	.325	\$4.64	\$5.91
	Ferrovandium	.040	\$0.36	
	Ferrocromium HC	1.050	\$0.91	
42CrMo4	Ferromolybdenum	.200	\$2.85	\$3.81
	Ferrocromium HC	1.100	\$0.96	
42CrMo4 1E2765	Ferromolybdenum	.200	\$2.85	\$3.81
	Ferrocromium HC	1.100	\$0.96	
42CrMo4 Ver10	Ferromolybdenum	.175	\$2.50	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
42CrMo4 Ver10	Ferchromium HC	1.100	\$0.96	\$3.46
42CrMoS4	Ferromolybdenum	.200	\$2.85	\$3.76
	Ferchromium HC	1.050	\$0.91	
4317M2	Ferromolybdenum	.725	\$10.35	\$20.88
	Nickel	1.725	\$10.07	
	Ferchromium HC	.525	\$0.46	
4320	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320 QL3	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320H	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320H B46	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320H BQ	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320H QL3	Ferromolybdenum	.250	\$3.57	\$14.67
	Nickel	1.825	\$10.66	
	Ferchromium HC	.500	\$0.44	
4320RH	Ferromolybdenum	.250	\$3.57	\$14.70
	Nickel	1.830	\$10.69	
	Ferchromium HC	.500	\$0.44	
4330V	Ferromolybdenum	.430	\$6.14	\$18.23
	Nickel	1.825	\$10.66	
	Ferovanadium	.075	\$0.67	
	Ferchromium HC	.870	\$0.76	
4340	Ferromolybdenum	.250	\$3.57	\$14.93
	Nickel	1.825	\$10.66	
	Ferchromium HC	.800	\$0.70	
4340 1E0830	Ferromolybdenum	.250	\$3.57	\$14.93
	Nickel	1.825	\$10.66	
	Ferchromium HC	.800	\$0.70	
4340 AQ	Ferromolybdenum	.250	\$3.57	\$14.93
	Nickel	1.825	\$10.66	
	Ferchromium HC	.800	\$0.70	
4340 QL3	Ferromolybdenum	.250	\$3.57	
	Nickel	1.825	\$10.66	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4340 QL3	Ferrochromium HC	.800	\$0.70	\$14.93
4340H	Ferromolybdenum	.250	\$3.57	
	Nickel	1.825	\$10.66	
	Ferrochromium HC	.800	\$0.70	\$14.93
4352 AQ	Ferromolybdenum	.250	\$3.57	
	Nickel	1.825	\$10.66	
	Ferrochromium HC	.800	\$0.70	\$14.93
43V30 Mod	Ferromolybdenum	.530	\$7.56	
	Nickel	2.500	\$14.60	
	Ferrovandium	.090	\$0.81	
	Ferrochromium HC	.950	\$0.83	\$23.80
4625 AMS 6418	Ferromolybdenum	.400	\$5.71	
	Nickel	1.825	\$10.66	
	Ferrochromium HC	.300	\$0.26	\$16.63
4625 IR458	Ferromolybdenum	.400	\$5.71	
	Nickel	1.825	\$10.66	
	Ferrochromium HC	.300	\$0.26	\$16.63
4715	Ferromolybdenum	.520	\$7.42	
	Nickel	.850	\$4.96	
	Ferrochromium HC	.550	\$0.48	\$12.86
4815H	Ferromolybdenum	.250	\$3.57	
	Nickel	3.450	\$20.15	\$23.72
4817	Ferromolybdenum	.250	\$3.57	
	Nickel	3.500	\$20.44	\$24.01
4817RH	Ferromolybdenum	.250	\$3.57	
	Nickel	3.500	\$20.44	\$24.01
50B35 1E1201	Ferrochromium HC	.480	\$0.42	\$0.42
5120	Ferrochromium HC	.800	\$0.70	\$0.70
5125RH	Ferrochromium HC	1.100	\$0.96	\$0.96
5130-4	Ferrochromium HC	.950	\$0.83	\$0.83
5130/5130H	Ferrochromium HC	.950	\$0.83	\$0.83
5140	Ferrochromium HC	.800	\$0.70	\$0.70
5160	Ferrochromium HC	.875	\$0.76	\$0.76
5160H	Ferrochromium HC	.875	\$0.76	\$0.76
5160H Mod	Ferrochromium HC	.950	\$0.83	\$0.83



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
52100	Ferchromium HC	1.450	\$1.26	\$1.26
58CrMoV4	Ferromolybdenum	.175	\$2.50	
	Ferovanadium	.125	\$1.12	
	Ferchromium HC	.970	\$0.84	\$4.46
6175 Mod	Ferovanadium	.175	\$1.57	
	Ferchromium HC	1.125	\$0.98	\$2.55
6330	Ferromolybdenum	.500	\$7.14	
	Ferovanadium	.250	\$2.25	
	Ferchromium HC	1.350	\$1.17	\$10.56
7474-5/4130M	Ferromolybdenum	.225	\$3.21	
	Nickel	.200	\$1.17	
	Ferchromium HC	1.000	\$0.87	\$5.25
8616 Mod	Ferromolybdenum	.200	\$2.85	
	Nickel	.200	\$1.17	\$4.02
8617	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8617/8620H	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8617H AQ	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8617H/8620	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8619 A534 BQ	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8619H BQ QL3	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8620	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8620 1E2743	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8620 A2	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 BQ	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 FG	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 MAT 1052	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 MS450 -B	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 Off-Heat	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 QL2	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620 QL3	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/20H QL2	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/22	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/22 QL2	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/8620H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/8620H QL3	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/8622H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/8622H QL2	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620/8622H QL3	Ferromolybdenum	.200	\$2.85	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620/8622H QL3	Nickel	.550	\$3.21	\$6.50
	Ferrochromium HC	.500	\$0.44	
8620H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620H B81	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620H QL3	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8620M B81	Ferromolybdenum	.220	\$3.14	\$7.30
	Nickel	.630	\$3.68	
	Ferrochromium HC	.550	\$0.48	
8620RH	Ferromolybdenum	.200	\$2.85	\$6.54
	Nickel	.550	\$3.21	
	Ferrochromium HC	.550	\$0.48	
8622H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8622RH	Ferromolybdenum	.200	\$2.85	\$6.54
	Nickel	.550	\$3.21	
	Ferrochromium HC	.550	\$0.48	
8625	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8625H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8627H	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8630	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8630 CGL-6	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8630 QL3	Ferromolybdenum	.200	\$2.85	\$6.50
	Nickel	.550	\$3.21	
	Ferrochromium HC	.500	\$0.44	
8630H	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8630H	Ferchromium HC	.500	\$0.44	\$6.50
8637	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8637H	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8637RC	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8640	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8650	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8650 AQ	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
86B20H	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.525	\$0.46	\$6.52
86B30H	Ferromolybdenum	.200	\$2.85	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$6.50
8720	Ferromolybdenum	.250	\$3.57	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$7.22
8822H	Ferromolybdenum	.350	\$4.99	
	Nickel	.500	\$2.92	
	Ferchromium HC	.500	\$0.44	\$8.35
8822H B79	Ferromolybdenum	.350	\$4.99	
	Nickel	.500	\$2.92	
	Ferchromium HC	.500	\$0.44	\$8.35
8822H B79-1	Ferromolybdenum	.350	\$4.99	
	Nickel	.500	\$2.92	
	Ferchromium HC	.530	\$0.46	\$8.37
8822H QL2	Ferromolybdenum	.350	\$4.99	
	Nickel	.550	\$3.21	
	Ferchromium HC	.500	\$0.44	\$8.64
8822H QL3	Ferromolybdenum	.350	\$4.99	
	Nickel	.500	\$2.92	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8822H QL3	Ferchromium HC	.500	\$0.44	\$8.35
8822RH	Ferromolybdenum	.350	\$4.99	
	Nickel	.500	\$2.92	
	Ferchromium HC	.500	\$0.44	\$8.35
9313/9313H	Ferromolybdenum	.120	\$1.71	
	Nickel	3.250	\$18.98	
	Ferovanadium	.040	\$0.36	
	Ferchromium HC	1.450	\$1.26	\$22.31
9315H	Ferromolybdenum	.115	\$1.64	
	Nickel	3.325	\$19.42	
	Ferchromium LC	1.275	\$2.51	\$23.57
9350	Ferromolybdenum	.115	\$1.64	
	Nickel	3.250	\$18.98	
	Ferovanadium	.045	\$0.40	
	Ferchromium HC	1.250	\$1.09	\$22.11
A707 L3	Ferovanadium	.065	\$0.58	\$0.58
A739 B22	Ferromolybdenum	1.000	\$14.27	
	Ferchromium LC	2.250	\$4.43	\$18.70
E4140	Ferromolybdenum	.200	\$2.85	
	Ferchromium HC	.950	\$0.83	\$3.68
E4145H	Ferromolybdenum	.200	\$2.85	
	Ferchromium HC	.950	\$0.83	\$3.68
E4340	Ferromolybdenum	.250	\$3.57	
	Nickel	1.825	\$10.66	
	Ferchromium HC	.800	\$0.70	\$14.93
ETN-22	Ferromolybdenum	.150	\$2.14	
	Ferchromium HC	.500	\$0.44	\$2.58
EX15 QL3	Ferromolybdenum	.170	\$2.43	
	Ferchromium HC	.500	\$0.44	\$2.87
EX16	Ferromolybdenum	.170	\$2.43	
	Ferchromium HC	.500	\$0.44	\$2.87
EX55H	Ferromolybdenum	.740	\$10.56	
	Nickel	1.830	\$10.69	
	Ferchromium HC	.680	\$0.59	\$21.84
F11	Ferromolybdenum	.550	\$7.85	
	Ferchromium LC	1.250	\$2.46	\$10.31
F11 A182	Ferromolybdenum	.550	\$7.85	
	Ferchromium LC	1.250	\$2.46	\$10.31
F12	Ferromolybdenum	.550	\$7.85	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
F12	Ferrochromium LC	1.030	\$2.03	\$9.88
F22	Ferromolybdenum Ferrochromium LC	1.000 2.250	\$14.27 \$4.43	\$18.70
F22 A182	Ferromolybdenum Ferrochromium LC	1.000 2.250	\$14.27 \$4.43	\$18.70
F5	Ferromolybdenum Ferrochromium LC	.550 5.000	\$7.85 \$9.85	\$17.70
F9	Ferromolybdenum Ferrochromium LC	1.000 9.000	\$14.27 \$17.73	\$32.00
F91	Ferromolybdenum Ferrovanadium Ferrochromium LC	.950 .215 8.800	\$13.56 \$1.93 \$17.34	\$32.83
Grade 620	Ferrovanadium	.085	\$0.76	\$0.76
MMFX	Ferrochromium LC	9.500	\$18.72	\$18.72
MMFX VTD	Ferrochromium LC	9.500	\$18.72	\$18.72
PS16RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$2.43 \$0.44	\$2.87
PS17	Ferromolybdenum Ferrochromium HC	.170 .500	\$2.43 \$0.44	\$2.87
PS17 RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$2.43 \$0.44	\$2.87
PS18	Ferromolybdenum Ferrochromium HC	.170 .525	\$2.43 \$0.46	\$2.89
PS18RH	Ferromolybdenum Ferrochromium HC	.170 .525	\$2.43 \$0.46	\$2.89
S45-MR #13	Ferrovanadium	.075	\$0.67	\$0.67
SCM420H	Ferromolybdenum Ferrochromium HC	.200 1.120	\$2.85 \$0.97	\$3.82
SW85	Ferrovanadium	.135	\$1.21	\$1.21
T11 A213	Ferromolybdenum Ferrochromium LC	.550 1.250	\$7.85 \$2.46	\$10.31
T12 A213	Ferromolybdenum Ferrochromium LC	.550 1.030	\$7.85 \$2.03	\$9.88
T1A	Ferromolybdenum	.550	\$7.85	\$7.85



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
T2	Ferromolybdenum	.560	\$7.99	\$8.56
	Ferrochromium HC	.650	\$0.57	
T2 (7075-9)	Ferromolybdenum	.560	\$7.99	\$8.56
	Ferrochromium HC	.650	\$0.57	
T2 A213	Ferromolybdenum	.560	\$7.99	\$8.56
	Ferrochromium HC	.650	\$0.57	
T22 A213	Ferromolybdenum	1.000	\$14.27	\$18.70
	Ferrochromium LC	2.250	\$4.43	
T5 A213	Ferromolybdenum	.545	\$7.78	\$17.63
	Ferrochromium LC	5.000	\$9.85	
T9 A213	Ferromolybdenum	1.000	\$14.27	\$32.00
	Ferrochromium LC	9.000	\$17.73	
T91 A213	Ferromolybdenum	.950	\$13.56	\$32.83
	Ferrovandium	.215	\$1.93	
	Ferrochromium LC	8.800	\$17.34	