



August 12, 2020

September 2020 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 August 10, 2020, the three-city average for No.1 Bundles was \$258.66 ton. Using our revised method the September 2020 scrap surcharge for SBQ product is \$143.66/ton (\$7.18/cwt). This represents a decrease from August 2020.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill
Sales & Marketing Manager



August 12, 2020

September 2020 Alloy Surcharge Announcement

Effective September 1, 2020 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 CRU, as published on the Friday closest to 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 the yield factor, then multiplied by the mid-point of the alloy bearing grade range. This cwt surcharge is then converted to a price per ton.
- 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
August 7 th Index Value	1.69	\$.91	\$8.26	\$6.40	\$9.55	\$.69
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
September 2020 Surcharge/lb.	\$1.34	\$.58	\$5.02	\$3.41	\$4.18	\$0.15cwt

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
1022M Ni	Nickel	.275	\$0.94	\$0.94
1033V	Ferrovandium	.125	\$0.52	\$0.52
1045 V FG	Ferrovandium	.030	\$0.13	\$0.13
10V18	Ferrovandium	.060	\$0.25	\$0.25
10V40 QL2	Ferrovandium	.100	\$0.42	\$0.42
10V43 B156	Ferrovandium	.095	\$0.40	\$0.40
10V45	Ferrovandium	.100	\$0.42	\$0.42
10V45 QL2	Ferrovandium	.100	\$0.42	\$0.42
10V45 RES10172	Ferrovandium	.150	\$0.63	\$0.63
10V50	Ferrovandium	.030	\$0.13	\$0.13
1141 V FG	Ferrovandium	.030	\$0.13	\$0.13
1141 V FG QL2	Ferrovandium	.030	\$0.13	\$0.13
1144 V FG	Ferrovandium	.030	\$0.13	\$0.13
11V41	Ferrovandium	.090	\$0.38	\$0.38
11V41 QL2	Ferrovandium	.090	\$0.38	\$0.38
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.29 \$17.76	\$18.05
13%Cr/420 Mod	Ferrochromium LC	13.250	\$17.76	\$17.76
1518-7	Ferrovandium	.075	\$0.31	\$0.31
1518M	Ferrovandium Ferrochromium HC	.020 .220	\$0.08 \$0.13	\$0.21
1522 MOD	Ferrovandium	.015	\$0.06	\$0.06
1522M	Ferrovandium	.075	\$0.31	\$0.31
1537HC	Ferrochromium HC	.400	\$0.23	\$0.23
1538MV	Ferrovandium Ferrochromium HC	.100 .150	\$0.42 \$0.09	\$0.51
1590 UHC	Ferrochromium HC	.280	\$0.16	\$0.16



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
15B28 Mod	Ferromolybdenum	.150	\$0.75	\$0.75
15B29 Mod	Ferromolybdenum	.150	\$0.75	\$0.75
15B35	Ferrochromium HC	.550	\$0.32	\$0.32
15V10M	Ferrovandium	.030	\$0.13	\$0.13
15V16	Ferrovandium	.085	\$0.36	\$0.36
15V16 LF6	Ferrovandium	.085	\$0.36	\$0.36
15V18	Ferrovandium	.075	\$0.31	\$0.31
15V20M	Ferrovandium	.100	\$0.42	\$0.42
15V22 PT	Ferrovandium	.055	\$0.23	\$0.23
15V24	Ferrovandium	.075	\$0.31	\$0.31
15V24 Mod	Ferrovandium	.150	\$0.63	\$0.63
15V24M	Ferrovandium	.135	\$0.56	\$0.56
15V27M	Ferrovandium	.075	\$0.31	\$0.31
15V30	Ferrovandium	.135	\$0.56	\$0.56
15V30 Mod	Ferrovandium	.135	\$0.56	\$0.56
15V30M	Ferrovandium	.190	\$0.79	\$0.79
15V37M 1E1586	Ferrovandium	.085	\$0.36	\$0.36
15V38 C38 Mod	Ferrovandium Ferrochromium HC	.100 .150	\$0.42 \$0.09	\$0.51
15V38M	Ferrovandium	.090	\$0.38	\$0.38
15V44 C44 Mod	Ferrovandium Ferrochromium HC	.145 .250	\$0.61 \$0.15	\$0.76
15V45M	Ferrovandium	.125	\$0.52	\$0.52
15V45M 1E1106	Ferrovandium	.130	\$0.54	\$0.54
16MnCr5	Ferrochromium HC	1.050	\$0.61	\$0.61
16MnCrS5	Ferrochromium HC	1.050	\$0.61	\$0.61

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
17MnV7	Ferrovandium	.120	\$0.50	\$0.50
18CrNiMo7-6	Ferromolybdenum	.300	\$1.51	
	Nickel	1.550	\$5.29	
	Ferrocromium HC	1.650	\$0.96	\$7.76
1E1371	Ferromolybdenum	.350	\$1.76	
	Ferrovandium	.095	\$0.40	
	Ferrocromium HC	1.800	\$1.04	\$3.20
1E1497	Ferrovandium	.100	\$0.42	
	Ferrocromium HC	.150	\$0.09	\$0.51
20MNCr5	Ferrocromium HC	1.200	\$0.70	\$0.70
20MnCrS5	Ferrocromium HC	1.150	\$0.67	\$0.67
25MoCr4	Ferromolybdenum	.440	\$2.21	
	Ferrocromium HC	.900	\$0.52	\$2.73
25MoCr4 Ver 50	Ferromolybdenum	.425	\$2.13	
	Ferrocromium HC	.870	\$0.50	\$2.63
25MoCrS4 Hay1	Ferromolybdenum	.425	\$2.13	
	Ferrocromium HC	.950	\$0.55	\$2.68
25MoCrS4 Hay2	Ferromolybdenum	.425	\$2.13	
	Ferrocromium HC	.950	\$0.55	\$2.68
30MnVS6	Ferrovandium	.115	\$0.48	\$0.48
30MnVS6-VD	Ferrovandium	.110	\$0.46	\$0.46
35MnVS4	Ferrovandium	.200	\$0.84	
	Ferrocromium HC	.150	\$0.09	\$0.93
38MnSiVS5	Ferrovandium	.110	\$0.46	\$0.46
38MnVS6	Ferrovandium	.110	\$0.46	\$0.46
4023	Ferromolybdenum	.250	\$1.26	\$1.26
4027	Ferromolybdenum	.260	\$1.31	\$1.31
40BV40 Mod	Ferromolybdenum	.355	\$1.78	
	Ferrovandium	.100	\$0.42	\$2.20
40BV40M 1E4146	Ferromolybdenum	.355	\$1.78	
	Ferrovandium	.100	\$0.42	\$2.20
4118	Ferromolybdenum	.115	\$0.58	
	Ferrocromium HC	.500	\$0.29	\$0.87
4118-8/BQ	Ferromolybdenum	.115	\$0.58	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4118-8/BQ	Ferchromium HC	.500	\$0.29	\$0.87
4118/4118-2	Ferromolybdenum	.115	\$0.58	\$0.87
	Ferchromium HC	.500	\$0.29	
4120	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4120 QL2	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4120 QL3	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4120H B81	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4120H QL2	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4120M	Ferromolybdenum	.175	\$0.88	\$1.17
	Ferchromium HC	.500	\$0.29	
4120M 1E1120	Ferromolybdenum	.165	\$0.83	\$1.16
	Ferchromium HC	.575	\$0.33	
4120RH QL4	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferchromium HC	.520	\$0.30	
4122M	Ferromolybdenum	.170	\$0.85	\$1.14
	Ferchromium HC	.500	\$0.29	
4122M 1E0778	Ferromolybdenum	.225	\$1.13	\$1.61
	Ferchromium HC	.825	\$0.48	
4122M 1E1054	Ferromolybdenum	.325	\$1.63	\$2.17
	Ferchromium HC	.925	\$0.54	
4122M B222-6(F)	Ferromolybdenum	.170	\$0.85	\$1.11
	Ferchromium HC	.450	\$0.26	
4124 M	Ferromolybdenum	.400	\$2.01	\$3.30
	Nickel	.205	\$0.70	
	Ferchromium HC	1.025	\$0.59	
4124M	Ferromolybdenum	.170	\$0.85	\$1.23
	Ferchromium HC	.650	\$0.38	
4124M B222	Ferromolybdenum	.170	\$0.85	\$1.23
	Ferchromium HC	.650	\$0.38	
4124M B222-5(F)	Ferromolybdenum	.170	\$0.85	\$1.19
	Ferchromium HC	.580	\$0.34	
4124M B222-5mod	Ferromolybdenum	.170	\$0.85	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4124M B222-5mod	Ferrochromium HC	.630	\$0.37	\$1.22
4124M B222-7(F)	Ferromolybdenum	.170	\$0.85	\$1.19
	Ferrochromium HC	.580	\$0.34	
4124M B222-8	Ferromolybdenum	.300	\$1.51	\$1.92
	Ferrochromium HC	.700	\$0.41	
4128	Ferromolybdenum	.350	\$1.76	\$3.20
	Ferrovandium	.095	\$0.40	
	Ferrochromium HC	1.800	\$1.04	
4128M	Ferromolybdenum	.390	\$1.96	\$3.42
	Ferrovandium	.100	\$0.42	
	Ferrochromium HC	1.800	\$1.04	
4129M	Ferromolybdenum	.300	\$1.51	\$2.21
	Ferrochromium HC	1.200	\$0.70	
4130	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 1E1058	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 1E2737	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 AQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 CF-003	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 CGL-2	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 ES-330	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 ES220	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 MBQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130 Mod	Ferromolybdenum	.650	\$3.26	\$3.84
	Ferrochromium HC	1.000	\$0.58	
4130 TW051592	Ferromolybdenum	.220	\$1.10	\$1.68
	Ferrochromium HC	1.000	\$0.58	
4130-4 MS	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130-5/4130	Ferromolybdenum	.200	\$1.00	\$1.60
	Ferrochromium HC	1.040	\$0.60	
4130-6/4130	Ferromolybdenum	.200	\$1.00	\$1.60
	Ferrochromium HC	1.040	\$0.60	
4130-9/4130M	Ferromolybdenum	.225	\$1.13	\$2.39
	Nickel	.200	\$0.68	
	Ferrochromium HC	1.000	\$0.58	
4130/4130H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130A	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130B AQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130B Mod	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130I	Ferromolybdenum	.700	\$3.51	\$4.29
	Ferrochromium HC	1.350	\$0.78	
4130M	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130M 1E2737	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130M TW032808	Ferromolybdenum	.220	\$1.10	\$1.96
	Ferrovandium	.060	\$0.25	
	Ferrochromium HC	1.050	\$0.61	
4130M TW061206	Ferromolybdenum	.275	\$1.38	\$2.19
	Ferrovandium	.040	\$0.17	
	Ferrochromium HC	1.100	\$0.64	
4130M7	Ferromolybdenum	.700	\$3.51	\$4.29
	Ferrochromium HC	1.350	\$0.78	
4130RH	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4130U	Ferromolybdenum	.225	\$1.13	\$1.68
	Ferrochromium HC	.950	\$0.55	
4132 M	Ferromolybdenum	.650	\$3.26	\$3.99
	Ferrochromium HC	1.250	\$0.73	
4132 MS362	Ferromolybdenum	.650	\$3.26	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4132 MS362	Ferrocromium HC	1.250	\$0.73	\$3.99
4132M	Ferromolybdenum	.425	\$2.13	
	Nickel	1.275	\$4.35	
	Ferrocromium HC	1.025	\$0.59	\$7.07
4135	Ferromolybdenum	.315	\$1.58	
	Ferrocromium HC	1.100	\$0.64	\$2.22
4135 B73	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	1.000	\$0.58	\$1.58
4135H Mod	Ferromolybdenum	.315	\$1.58	
	Ferrocromium HC	1.100	\$0.64	\$2.22
4135H QL2	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	.950	\$0.55	\$1.55
4137	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	.950	\$0.55	\$1.55
4137 M	Ferromolybdenum	.275	\$1.38	
	Ferrocromium HC	1.100	\$0.64	\$2.02
4137 MS303	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.100	\$0.64	\$2.15
4137 MS309	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.100	\$0.64	\$2.15
4137 MS371	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.100	\$0.64	\$2.15
4137 Mod	Ferromolybdenum	.325	\$1.63	
	Ferrocromium HC	1.125	\$0.65	\$2.28
4137H	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	.950	\$0.55	\$1.55
4137M	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.100	\$0.64	\$2.15
4137M 341	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.050	\$0.61	\$2.12
4137M MS364	Ferromolybdenum	.300	\$1.51	
	Ferrocromium HC	1.100	\$0.64	\$2.15
4137RS	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	.950	\$0.55	\$1.55
4140	Ferromolybdenum	.200	\$1.00	
	Ferrocromium HC	.950	\$0.55	\$1.55
4140 1E1636	Ferromolybdenum	.200	\$1.00	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140 1E1636	Ferrochromium HC	.950	\$0.55	\$1.55
4140 1E509	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 A1	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 AQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 BQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 CF-001	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 ES-324	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 ES-325	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 LS	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 M	Ferromolybdenum	.200	\$1.00	\$2.51
	Nickel	.350	\$1.19	
	Ferrochromium HC	.550	\$0.32	
4140 MS450	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 Off Chem	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 QL2	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140 QL3	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140/4140H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140/4142	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140/4142H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140/42	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4140A	Ferromolybdenum	.200	\$1.00	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140A	Ferchromium HC	.950	\$0.55	\$1.55
4140B	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140H B74-1	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140H QL2	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140H QL3	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140H/42 QL2	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140M	Ferromolybdenum	.250	\$1.26	\$1.90
	Ferchromium HC	1.100	\$0.64	
4140M B74-R	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4140M S315	Ferromolybdenum	.200	\$1.00	\$2.31
	Nickel	.200	\$0.68	
	Ferovanadium	.020	\$0.08	
	Ferchromium HC	.950	\$0.55	
4140RS	Ferromolybdenum	.200	\$1.00	\$1.61
	Ferchromium HC	1.050	\$0.61	
4141-5/4140	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4141H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4142	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4142/4145H Mod	Ferromolybdenum	.300	\$1.51	\$2.15
	Ferchromium HC	1.100	\$0.64	
4145	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4145 1E0598	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	
4145H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferchromium HC	.950	\$0.55	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4145H Mod	Ferromolybdenum	.300	\$1.51	\$2.15
	Ferrochromium HC	1.100	\$0.64	
4145H QL2	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4145M	Ferromolybdenum	.250	\$1.26	\$1.90
	Ferrochromium HC	1.100	\$0.64	
4145M 346	Ferromolybdenum	.310	\$1.56	\$2.20
	Ferrochromium HC	1.100	\$0.64	
4150	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4150H	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4150H 1E9999	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4150H AQ	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
4150RS	Ferromolybdenum	.200	\$1.00	\$1.49
	Ferrochromium HC	.850	\$0.49	
4161 1E0490	Ferromolybdenum	.300	\$1.51	\$1.97
	Ferrochromium HC	.800	\$0.46	
4161/4161H	Ferromolybdenum	.300	\$1.51	\$1.97
	Ferrochromium HC	.800	\$0.46	
4162	Ferromolybdenum	.200	\$1.00	\$2.27
	Nickel	.200	\$0.68	
	Ferrochromium HC	1.025	\$0.59	
4163M	Ferromolybdenum	.150	\$0.75	\$1.42
	Ferrovandium	.050	\$0.21	
	Ferrochromium HC	.800	\$0.46	
4164M	Ferromolybdenum	.080	\$0.40	\$1.22
	Ferrovandium	.065	\$0.27	
	Ferrochromium HC	.950	\$0.55	
41B17 1E0951	Ferromolybdenum	.150	\$0.75	\$1.05
	Ferrochromium HC	.525	\$0.30	
41B30M	Ferromolybdenum	.200	\$1.00	\$1.55
	Ferrochromium HC	.950	\$0.55	
41B30M 1E0997	Ferromolybdenum	.170	\$0.85	\$1.15
	Ferrochromium HC	.525	\$0.30	
41B30M 1E1671	Ferromolybdenum	.170	\$0.85	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
41B30M 1E1671	Ferrochromium HC	.525	\$0.30	\$1.15
41B30M QL3	Ferromolybdenum	.160	\$0.80	\$1.12
	Ferrochromium HC	.550	\$0.32	
41B31M	Ferromolybdenum	.375	\$1.88	\$2.81
	Ferrochromium HC	1.600	\$0.93	
41B32M	Ferromolybdenum	.425	\$2.13	\$7.07
	Nickel	1.275	\$4.35	
	Ferrochromium HC	1.025	\$0.59	
41B33M 1E4415	Ferromolybdenum	.165	\$0.83	\$1.13
	Ferrochromium HC	.525	\$0.30	
41B35M 1E1013	Ferromolybdenum	.075	\$0.38	\$0.67
	Ferrochromium HC	.500	\$0.29	
41V37 Mod	Ferromolybdenum	.325	\$1.63	\$2.41
	Ferrovandium	.040	\$0.17	
	Ferrochromium HC	1.050	\$0.61	
42CrMo4	Ferromolybdenum	.200	\$1.00	\$1.64
	Ferrochromium HC	1.100	\$0.64	
42CrMo4 1E2765	Ferromolybdenum	.200	\$1.00	\$1.64
	Ferrochromium HC	1.100	\$0.64	
42CrMo4 Ver10	Ferromolybdenum	.175	\$0.88	\$1.52
	Ferrochromium HC	1.100	\$0.64	
42CrMoS4	Ferromolybdenum	.200	\$1.00	\$1.61
	Ferrochromium HC	1.050	\$0.61	
4317M2	Ferromolybdenum	.725	\$3.64	\$9.82
	Nickel	1.725	\$5.88	
	Ferrochromium HC	.525	\$0.30	
4320	Ferromolybdenum	.250	\$1.26	\$7.77
	Nickel	1.825	\$6.22	
	Ferrochromium HC	.500	\$0.29	
4320 QL3	Ferromolybdenum	.250	\$1.26	\$7.77
	Nickel	1.825	\$6.22	
	Ferrochromium HC	.500	\$0.29	
4320H	Ferromolybdenum	.250	\$1.26	\$7.77
	Nickel	1.825	\$6.22	
	Ferrochromium HC	.500	\$0.29	
4320H B46	Ferromolybdenum	.250	\$1.26	\$7.77
	Nickel	1.825	\$6.22	
	Ferrochromium HC	.500	\$0.29	
4320H BQ	Ferromolybdenum	.250	\$1.26	\$7.77
	Nickel	1.825	\$6.22	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4320H BQ	Ferchromium HC	.500	\$0.29	\$7.77
4320H QL3	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.500	\$0.29	\$7.77
4320M	Ferromolybdenum	.250	\$1.26	
	Nickel	1.025	\$3.50	
	Ferchromium HC	1.025	\$0.59	\$5.35
4320RH	Ferromolybdenum	.250	\$1.26	
	Nickel	1.830	\$6.24	
	Ferchromium HC	.500	\$0.29	\$7.79
4330V	Ferromolybdenum	.430	\$2.16	
	Nickel	1.825	\$6.22	
	Ferovanadium	.075	\$0.31	
	Ferchromium HC	.870	\$0.50	\$9.19
4340	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4340 1E0830	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4340 AQ	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4340 QL2	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4340 QL3	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4340H	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4350H	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
4352 AQ	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.800	\$0.46	\$7.94
43B20	Ferromolybdenum	.250	\$1.26	
	Nickel	1.825	\$6.22	
	Ferchromium HC	.500	\$0.29	\$7.77
43V30 Mod	Ferromolybdenum	.530	\$2.66	
	Nickel	2.500	\$8.53	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
43V30 Mod	Ferovanadium	.090	\$0.38	\$12.12
	Ferchromium HC	.950	\$0.55	
44W	Ferovanadium	.025	\$0.10	\$0.10
4620 QL3	Ferromolybdenum	.250	\$1.26	\$7.48
	Nickel	1.825	\$6.22	
4623	Ferromolybdenum	.180	\$0.90	\$7.36
	Nickel	1.820	\$6.21	
	Ferovanadium	.060	\$0.25	
4625 AMS 6418	Ferromolybdenum	.400	\$2.01	\$8.40
	Nickel	1.825	\$6.22	
	Ferchromium HC	.300	\$0.17	
4625 IR458	Ferromolybdenum	.400	\$2.01	\$8.40
	Nickel	1.825	\$6.22	
	Ferchromium HC	.300	\$0.17	
4715	Ferromolybdenum	.520	\$2.61	\$5.83
	Nickel	.850	\$2.90	
	Ferchromium HC	.550	\$0.32	
4715M	Ferromolybdenum	.560	\$2.81	\$6.30
	Nickel	.930	\$3.17	
	Ferchromium HC	.550	\$0.32	
47V15	Ferromolybdenum	.550	\$2.76	\$6.35
	Nickel	.900	\$3.07	
	Ferovanadium	.040	\$0.17	
	Ferchromium HC	.600	\$0.35	
4815H	Ferromolybdenum	.250	\$1.26	\$13.02
	Nickel	3.450	\$11.76	
4817	Ferromolybdenum	.250	\$1.26	\$13.20
	Nickel	3.500	\$11.94	
4817RH	Ferromolybdenum	.250	\$1.26	\$13.20
	Nickel	3.500	\$11.94	
50B35 1E1201	Ferchromium HC	.480	\$0.28	\$0.28
5119	Ferchromium HC	.800	\$0.46	\$0.46
5119R	Ferchromium HC	.900	\$0.52	\$0.52
5120	Ferchromium HC	.800	\$0.46	\$0.46
5120H	Ferchromium HC	.800	\$0.46	\$0.46
5120M	Ferchromium HC	1.050	\$0.61	\$0.61



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
5124	Ferrochromium HC	.800	\$0.46	\$0.46
5125RH	Ferrochromium HC	1.100	\$0.64	\$0.64
5130	Ferrochromium HC	.950	\$0.55	\$0.55
5130-4	Ferrochromium HC	.950	\$0.55	\$0.55
5130/5130H	Ferrochromium HC	.950	\$0.55	\$0.55
5130H Mod	Ferrochromium HC	.975	\$0.57	\$0.57
5140	Ferrochromium HC	.800	\$0.46	\$0.46
5160	Ferrochromium HC	.875	\$0.51	\$0.51
5160H	Ferrochromium HC	.875	\$0.51	\$0.51
5160H Mod	Ferrochromium HC	.950	\$0.55	\$0.55
51B60H	Ferrochromium HC	.800	\$0.46	\$0.46
51CrV4	Ferrovandium Ferrochromium HC	.130 1.050	\$0.54 \$0.61	\$1.15
51V30M	Ferrovandium Ferrochromium HC	.105 1.100	\$0.44 \$0.64	\$1.08
52100	Ferrochromium HC	1.450	\$0.84	\$0.84
52CrMoV4	Ferromolybdenum Ferrovandium Ferrochromium HC	.225 .130 1.050	\$1.13 \$0.54 \$0.61	\$2.28
58CrMoV4	Ferromolybdenum Ferrovandium Ferrochromium HC	.175 .125 .970	\$0.88 \$0.52 \$0.56	\$1.96
6175 Mod	Ferrovandium Ferrochromium HC	.175 1.125	\$0.73 \$0.65	\$1.38
6330	Ferromolybdenum Ferrovandium Ferrochromium HC	.500 .250 1.350	\$2.51 \$1.05 \$0.78	\$4.34
7474-5/4130M	Ferromolybdenum Nickel Ferrochromium HC	.225 .200 1.000	\$1.13 \$0.68 \$0.58	\$2.39
8616 Mod	Ferromolybdenum Nickel	.200 .200	\$1.00 \$0.68	\$1.68
8617	Ferromolybdenum Nickel	.200 .550	\$1.00 \$1.88	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8617	Ferchromium HC	.500	\$0.29	\$3.17
8617/8620H	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8617H AQ	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8617H/8620	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8619 A534 BQ	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8619H BQ QL3	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 1E2743	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 A2	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 BQ	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 FG	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 MAT 1052	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 MS450 -B	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 Off-Heat	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620 QL2	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 QL2	Ferrocromium HC	.500	\$0.29	\$3.17
8620 QL3	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620 QL4	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/20H QL2	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/22	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/22 QL2	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/8620H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/8620H QL3	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/8622H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/8622H QL2	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620/8622H QL3	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620BQ 1E4180	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620H A534 BQ	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrocromium HC	.500	\$0.29	
8620H B81	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620H B81	Ferchromium HC	.500	\$0.29	\$3.17
8620H QL3	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620H/8720H	Ferromolybdenum	.225	\$1.13	
	Nickel	.550	\$1.88	
	Ferovanadium	.005	\$0.02	
	Ferchromium HC	.500	\$0.29	\$3.32
8620M	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8620M B81	Ferromolybdenum	.220	\$1.10	
	Nickel	.630	\$2.15	
	Ferchromium HC	.550	\$0.32	\$3.57
8620RH	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.550	\$0.32	\$3.20
8622H	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8622M	Ferromolybdenum	.250	\$1.26	
	Nickel	.600	\$2.05	
	Ferovanadium	.040	\$0.17	
	Ferchromium HC	1.000	\$0.58	\$4.06
8622RH	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.550	\$0.32	\$3.20
8625	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8625H	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8627H	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8630	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8630 CGL-6	Ferromolybdenum	.200	\$1.00	
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	\$3.17
8630 QL3	Ferromolybdenum	.200	\$1.00	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8630 QL3	Nickel	.550	\$1.88	\$3.17
	Ferrochromium HC	.500	\$0.29	
8630H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8637	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8637H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8637RC	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8640	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8640/8740	Ferromolybdenum	.225	\$1.13	\$3.30
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8650	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8650 AQ	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
86B20H	Ferromolybdenum	.200	\$1.00	\$3.18
	Nickel	.550	\$1.88	
	Ferrochromium HC	.525	\$0.30	
86B30H	Ferromolybdenum	.200	\$1.00	\$3.17
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
86V53M KJ8X	Ferromolybdenum	.500	\$2.51	\$5.88
	Nickel	.500	\$1.71	
	Ferrovandium	.150	\$0.63	
	Ferrochromium HC	1.775	\$1.03	
8720	Ferromolybdenum	.250	\$1.26	\$3.43
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8740	Ferromolybdenum	.250	\$1.26	\$3.43
	Nickel	.550	\$1.88	
	Ferrochromium HC	.500	\$0.29	
8822H	Ferromolybdenum	.350	\$1.76	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8822H	Nickel	.500	\$1.71	\$3.76
	Ferchromium HC	.500	\$0.29	
8822H B79	Ferromolybdenum	.350	\$1.76	\$3.76
	Nickel	.500	\$1.71	
	Ferchromium HC	.500	\$0.29	
8822H B79-1	Ferromolybdenum	.350	\$1.76	\$3.78
	Nickel	.500	\$1.71	
	Ferchromium HC	.530	\$0.31	
8822H BQ	Ferromolybdenum	.350	\$1.76	\$3.93
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	
8822H QL2	Ferromolybdenum	.350	\$1.76	\$3.93
	Nickel	.550	\$1.88	
	Ferchromium HC	.500	\$0.29	
8822H QL3	Ferromolybdenum	.350	\$1.76	\$3.76
	Nickel	.500	\$1.71	
	Ferchromium HC	.500	\$0.29	
8822RH	Ferromolybdenum	.350	\$1.76	\$3.76
	Nickel	.500	\$1.71	
	Ferchromium HC	.500	\$0.29	
9254	Ferchromium HC	.700	\$0.41	\$0.41
9310	Ferromolybdenum	.115	\$0.58	\$12.36
	Nickel	3.250	\$11.08	
	Ferchromium HC	1.200	\$0.70	
9313/9313H	Ferromolybdenum	.120	\$0.60	\$12.69
	Nickel	3.250	\$11.08	
	Ferovanadium	.040	\$0.17	
	Ferchromium HC	1.450	\$0.84	
9315H	Ferromolybdenum	.115	\$0.58	\$13.63
	Nickel	3.325	\$11.34	
	Ferchromium LC	1.275	\$1.71	
9350	Ferromolybdenum	.115	\$0.58	\$12.58
	Nickel	3.250	\$11.08	
	Ferovanadium	.045	\$0.19	
	Ferchromium HC	1.250	\$0.73	
A350 LF6 Chem	Ferovanadium	.075	\$0.31	\$0.31
A572 58Y	Ferovanadium	.070	\$0.29	\$0.29
A572 GR50	Ferovanadium	.015	\$0.06	\$0.06
A572 Gr 42 T2	Ferovanadium	.015	\$0.06	\$0.06

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
A572 Gr42	Ferrovandium	.015	\$0.06	\$0.06
A572 Gr50 T2	Ferrovandium	.015	\$0.06	\$0.06
A572 Gr60 Chem	Ferrovandium	.070	\$0.29	\$0.29
A572Gr50 Chem	Ferrovandium	.070	\$0.29	\$0.29
A572M 58Y	Ferrovandium	.070	\$0.29	\$0.29
A572M Gr 60	Ferrovandium	.070	\$0.29	\$0.29
A588 Gr A	Ferrovandium Ferrochromium HC	.060 .550	\$0.25 \$0.32	\$0.57
A588 Gr B	Ferrovandium Ferrochromium HC	.060 .550	\$0.25 \$0.32	\$0.57
A588/709 50W	Ferrovandium Ferrochromium HC	.060 .550	\$0.25 \$0.32	\$0.57
A615 Gr 75	Ferrovandium	.115	\$0.48	\$0.48
A615 Gr 80	Ferrovandium	.050	\$0.21	\$0.21
A615 Gr80	Ferrovandium	.110	\$0.46	\$0.46
A706 Gr 80	Ferrovandium	.110	\$0.46	\$0.46
A707 L3	Ferrovandium	.065	\$0.27	\$0.27
A739 B22	Ferromolybdenum Ferrochromium LC	1.000 2.250	\$5.02 \$3.02	\$8.04
ASTM A193 B16	Ferromolybdenum Ferrovanadium Ferrochromium HC	.580 .300 .980	\$2.91 \$1.25 \$0.57	\$4.73
E4140	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.00 \$0.55	\$1.55
E4140M	Ferromolybdenum Nickel Ferrovanadium Ferrochromium HC	.225 .420 .030 1.050	\$1.13 \$1.43 \$0.13 \$0.61	\$3.30
E4145H	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.00 \$0.55	\$1.55
E4340	Ferromolybdenum Nickel Ferrochromium HC	.250 1.825 .800	\$1.26 \$6.22 \$0.46	\$7.94
E4340H	Ferromolybdenum	.275	\$1.38	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
E4340H	Nickel	1.880	\$6.41	\$8.25
	Ferchromium HC	.800	\$0.46	
ETN-22	Ferromolybdenum	.150	\$0.75	\$1.04
	Ferchromium HC	.500	\$0.29	
ETN-22 UC	Ferromolybdenum	.150	\$0.75	\$1.04
	Ferchromium HC	.500	\$0.29	
ETN-27	Ferromolybdenum	.150	\$0.75	\$1.07
	Ferchromium HC	.550	\$0.32	
EX15 QL3	Ferromolybdenum	.170	\$0.85	\$1.14
	Ferchromium HC	.500	\$0.29	
EX15/4120	Ferromolybdenum	.165	\$0.83	\$1.12
	Ferchromium HC	.500	\$0.29	
EX16	Ferromolybdenum	.170	\$0.85	\$1.14
	Ferchromium HC	.500	\$0.29	
EX55H	Ferromolybdenum	.740	\$3.71	\$10.34
	Nickel	1.830	\$6.24	
	Ferchromium HC	.680	\$0.39	
F11	Ferromolybdenum	.550	\$2.76	\$4.44
	Ferchromium LC	1.250	\$1.68	
F11 A182	Ferromolybdenum	.550	\$2.76	\$4.44
	Ferchromium LC	1.250	\$1.68	
F12	Ferromolybdenum	.550	\$2.76	\$4.14
	Ferchromium LC	1.030	\$1.38	
F1554 Gr 55	Ferrovandium	.070	\$0.29	\$0.29
F22	Ferromolybdenum	1.000	\$5.02	\$8.04
	Ferchromium LC	2.250	\$3.02	
F22 A182	Ferromolybdenum	1.000	\$5.02	\$8.04
	Ferchromium LC	2.250	\$3.02	
F5	Ferromolybdenum	.550	\$2.76	\$9.46
	Ferchromium LC	5.000	\$6.70	
F9	Ferromolybdenum	1.000	\$5.02	\$17.08
	Ferchromium LC	9.000	\$12.06	
F91	Ferromolybdenum	.950	\$4.77	\$17.46
	Ferrovandium	.215	\$0.90	
	Ferchromium LC	8.800	\$11.79	
Grade 150	Ferchromium HC	.850	\$0.49	\$0.49

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
Grade 620	Ferrovandium	.085	\$0.36	\$0.36
Grade 97	Ferrovandium	.175	\$0.73	\$0.73
Grade 97/100	Ferrovandium	.178	\$0.74	\$0.74
LC75	Ferrovandium	.100	\$0.42	\$0.42
PS16RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$0.85 \$0.29	\$1.14
PS17	Ferromolybdenum Ferrochromium HC	.170 .500	\$0.85 \$0.29	\$1.14
PS17 RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$0.85 \$0.29	\$1.14
PS18	Ferromolybdenum Ferrochromium HC	.170 .525	\$0.85 \$0.30	\$1.15
PS18RH	Ferromolybdenum Ferrochromium HC	.170 .525	\$0.85 \$0.30	\$1.15
S45-MR #13	Ferrovandium	.075	\$0.31	\$0.31
SBMA740	Ferrovandium	.070	\$0.29	\$0.29
SCM420H	Ferromolybdenum Ferrochromium HC	.200 1.120	\$1.00 \$0.65	\$1.65
SCR420	Ferrochromium HC	1.050	\$0.61	\$0.61
SW85	Ferrovandium	.135	\$0.56	\$0.56
T11 A213	Ferromolybdenum Ferrochromium LC	.550 1.250	\$2.76 \$1.68	\$4.44
T12 A213	Ferromolybdenum Ferrochromium LC	.550 1.030	\$2.76 \$1.38	\$4.14
T1A	Ferromolybdenum	.550	\$2.76	\$2.76
T2	Ferromolybdenum Ferrochromium HC	.560 .650	\$2.81 \$0.38	\$3.19
T2 (7075-9)	Ferromolybdenum Ferrochromium HC	.560 .650	\$2.81 \$0.38	\$3.19
T2 A213	Ferromolybdenum Ferrochromium HC	.560 .650	\$2.81 \$0.38	\$3.19
T22 A213	Ferromolybdenum	1.000	\$5.02	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
T22 A213	Ferrochromium LC	2.250	\$3.02	\$8.04
T5 A213	Ferromolybdenum	.545	\$2.74	\$9.44
	Ferrochromium LC	5.000	\$6.70	
T9 A213	Ferromolybdenum	1.000	\$5.02	\$17.08
	Ferrochromium LC	9.000	\$12.06	
T91 A213	Ferromolybdenum	.950	\$4.77	\$17.46
	Ferrovandium	.215	\$0.90	
	Ferrochromium LC	8.800	\$11.79	