



December 13, 2011

## January 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 10<sup>th</sup> of each month for Chicago, Cleveland, and Pittsburgh.

As of December 12, 2011 the three-city average for No. 1 Bundles was \$488.33/ton. Using our revised method the January 2012 scrap surcharge for SBQ product is \$373.33/ton (\$18.66/cwt). This represents an increase compared to December.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill  
Sales & Marketing Manager



December 13, 2011

## January 2012 Alloy Surcharge Announcement

Effective January 1, 2012, alloy surcharges on Ferromolybdenum, Nickel, LC & HC ferrochrome, HC ferromanganese and Ferrovanadium 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, Ferrovanadium 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, Ferrovanadium, and HC ferromanganese, 70% on Ferrochrome.
- The source of the current market price for Ferromolybdenum, Ferrovanadium, Ferrochrome, and HC Ferromanganese is the mid-point in the range of Ryan's Notes, as published on the 10<sup>th</sup> 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
December 9th Index Value	\$2.16	\$1.10	\$15.95	\$8.11	\$14.00	\$0.67
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
January 2012 Surcharge/lb.	\$2.01	\$0.86	\$14.06	\$5.42	\$9.41	\$0.14cwt

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, Ferrovanadium and HC ferromanganese, effective July 1, 2007 we will review alloy surcharges on the 10<sup>th</sup> of each month for prompt orders. Prompt orders are defined as orders received and acknowledged after the 10<sup>th</sup> 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	\$1.18	<b>\$1.18</b>
10V40 QL2	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V43 B156	Ferrovandium	.095	\$0.89	<b>\$0.89</b>
10V45	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V45 QL2	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V45 RES10172	Ferrovandium	.150	\$1.41	<b>\$1.41</b>
1141 V FG	Ferrovandium	.060	\$0.56	<b>\$0.56</b>
11V41	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
11V41 QL2	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.66 \$26.63	<b>\$27.29</b>
13%Cr/420 Mod	Ferrochromium LC	13.250	\$26.63	<b>\$26.63</b>
1518-7	Ferrovandium	.075	\$0.71	<b>\$0.71</b>
1522 MOD	Ferrovandium	.060	\$0.56	<b>\$0.56</b>
1590 UHC	Ferrochromium HC	.280	\$0.24	<b>\$0.24</b>
15B29 Mod	Ferromolybdenum	.150	\$2.11	<b>\$2.11</b>
15V10M	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
15V16	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
15V16 LF6	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
15V24	Ferrovandium	.075	\$0.71	<b>\$0.71</b>
15V27M	Ferrovandium	.075	\$0.71	<b>\$0.71</b>
15V30	Ferrovandium	.135	\$1.27	<b>\$1.27</b>
15V37M 1E1586	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
15V38M	Ferrovandium	.090	\$0.85	<b>\$0.85</b>
15V45M	Ferrovandium	.125	\$1.18	<b>\$1.18</b>
15V45M 1E1106	Ferrovandium	.130	\$1.22	<b>\$1.22</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
16MnCr5	Ferrochromium HC	1.050	\$0.90	<b>\$0.90</b>
16MnCrS5	Ferrochromium HC	1.050	\$0.90	<b>\$0.90</b>
17MnV7	Ferrovandium	.120	\$1.13	<b>\$1.13</b>
1E1371	Ferromolybdenum Ferrovandium Ferrochromium HC	.350 .095 1.800	\$4.92 \$0.89 \$1.55	<b>\$7.36</b>
1E1497	Ferrovandium Ferrochromium HC	.100 .150	\$0.94 \$0.13	<b>\$1.07</b>
20MnCr5	Ferrochromium HC	1.200	\$1.03	<b>\$1.03</b>
20MnCrS5	Ferrochromium HC	1.150	\$0.99	<b>\$0.99</b>
25MoCr4	Ferromolybdenum Ferrochromium HC	.440 .900	\$6.19 \$0.77	<b>\$6.96</b>
25MoCr4 Ver 50	Ferromolybdenum Ferrochromium HC	.425 .870	\$5.98 \$0.75	<b>\$6.73</b>
25MoCrS4 Hay1	Ferromolybdenum Ferrochromium HC	.425 .950	\$5.98 \$0.82	<b>\$6.80</b>
25MoCrS4 Hay2	Ferromolybdenum Ferrochromium HC	.425 .950	\$5.98 \$0.82	<b>\$6.80</b>
30MnVS6	Ferrovandium	.115	\$1.08	<b>\$1.08</b>
30MnVS6-VD	Ferrovandium	.110	\$1.04	<b>\$1.04</b>
35MnVS4	Ferrovandium Ferrochromium HC	.200 .150	\$1.88 \$0.13	<b>\$2.01</b>
38MnSiVS5	Ferrovandium	.110	\$1.04	<b>\$1.04</b>
38MnVS6	Ferrovandium	.110	\$1.04	<b>\$1.04</b>
4023	Ferromolybdenum	.250	\$3.52	<b>\$3.52</b>
4027	Ferromolybdenum	.260	\$3.66	<b>\$3.66</b>
40BV40 Mod	Ferromolybdenum Ferrovandium	.355 .100	\$4.99 \$0.94	<b>\$5.93</b>
40BV40M 1E4146	Ferromolybdenum Ferrovandium	.355 .100	\$4.99 \$0.94	<b>\$5.93</b>
4118	Ferromolybdenum Ferrochromium HC	.115 .500	\$1.62 \$0.43	<b>\$2.05</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4118-8/BQ	Ferromolybdenum	.115	\$1.62	<b>\$2.05</b>
	Ferrochromium HC	.500	\$0.43	
4118/4118-2	Ferromolybdenum	.115	\$1.62	<b>\$2.05</b>
	Ferrochromium HC	.500	\$0.43	
4120	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4120 QL2	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4120 QL3	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4120H B81	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4120H QL2	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4120M 1E1120	Ferromolybdenum	.165	\$2.32	<b>\$2.81</b>
	Ferrochromium HC	.575	\$0.49	
4120RH QL4	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.520	\$0.45	
4122M	Ferromolybdenum	.170	\$2.39	<b>\$2.82</b>
	Ferrochromium HC	.500	\$0.43	
4122M 1E0778	Ferromolybdenum	.225	\$3.16	<b>\$3.87</b>
	Ferrochromium HC	.825	\$0.71	
4122M 1E1054	Ferromolybdenum	.325	\$4.57	<b>\$5.37</b>
	Ferrochromium HC	.925	\$0.80	
4124 M	Ferromolybdenum	.400	\$5.62	<b>\$7.61</b>
	Nickel	.205	\$1.11	
	Ferrochromium HC	1.025	\$0.88	
4124M	Ferromolybdenum	.170	\$2.39	<b>\$2.95</b>
	Ferrochromium HC	.650	\$0.56	
4124M B222	Ferromolybdenum	.170	\$2.39	<b>\$2.95</b>
	Ferrochromium HC	.650	\$0.56	
4124M B222-8	Ferromolybdenum	.300	\$4.22	<b>\$4.82</b>
	Ferrochromium HC	.700	\$0.60	
4128	Ferromolybdenum	.350	\$4.92	<b>\$7.36</b>
	Ferrovandium	.095	\$0.89	
	Ferrochromium HC	1.800	\$1.55	
4128M	Ferromolybdenum	.390	\$5.48	
	Ferrovandium	.100	\$0.94	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4128M	Ferchromium HC	1.800	\$1.55	<b>\$7.97</b>
4129M	Ferromolybdenum	.300	\$4.22	<b>\$5.25</b>
	Ferchromium HC	1.200	\$1.03	
4130	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 1E1058	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 AQ	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 CGL-2	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 ES220	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 MBQ	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130 Mod	Ferromolybdenum	.650	\$9.14	<b>\$10.00</b>
	Ferchromium HC	1.000	\$0.86	
4130 TW051592	Ferromolybdenum	.220	\$3.09	<b>\$3.95</b>
	Ferchromium HC	1.000	\$0.86	
4130-4 MS	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130-5/4130	Ferromolybdenum	.200	\$2.81	<b>\$3.70</b>
	Ferchromium HC	1.040	\$0.89	
4130-9/4130M	Ferromolybdenum	.225	\$3.16	<b>\$5.10</b>
	Nickel	.200	\$1.08	
	Ferchromium HC	1.000	\$0.86	
4130/4130H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130A	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130B AQ	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130B Mod	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferchromium HC	.950	\$0.82	
4130M 1E2737	Ferromolybdenum	.200	\$2.81	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130M 1E2737	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
4130M TW032808	Ferromolybdenum	.220	\$3.09	
	Ferrovandium	.060	\$0.56	
	Ferrochromium HC	1.050	\$0.90	<b>\$4.55</b>
4130M TW061206	Ferromolybdenum	.275	\$3.87	
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.20</b>
4130U	Ferromolybdenum	.225	\$3.16	
	Ferrochromium HC	.950	\$0.82	<b>\$3.98</b>
4132 MS362	Ferromolybdenum	.650	\$9.14	
	Ferrochromium HC	1.250	\$1.08	<b>\$10.22</b>
4135	Ferromolybdenum	.315	\$4.43	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.38</b>
4135 B73	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	1.000	\$0.86	<b>\$3.67</b>
4135H Mod	Ferromolybdenum	.315	\$4.43	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.38</b>
4135H QL2	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
4137	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
4137 M	Ferromolybdenum	.275	\$3.87	
	Ferrochromium HC	1.100	\$0.95	<b>\$4.82</b>
4137 MS303	Ferromolybdenum	.300	\$4.22	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.17</b>
4137 MS309	Ferromolybdenum	.300	\$4.22	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.17</b>
4137 MS371	Ferromolybdenum	.300	\$4.22	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.17</b>
4137 Mod	Ferromolybdenum	.325	\$4.57	
	Ferrochromium HC	1.125	\$0.97	<b>\$5.54</b>
4137H	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
4137M	Ferromolybdenum	.300	\$4.22	
	Ferrochromium HC	1.100	\$0.95	<b>\$5.17</b>
4137M 341	Ferromolybdenum	.300	\$4.22	
	Ferrochromium HC	1.050	\$0.90	<b>\$5.12</b>

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4137M MS364	Ferromolybdenum	.300	\$4.22	<b>\$5.17</b>
	Ferrochromium HC	1.100	\$0.95	
4140	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 1E509	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 A1	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 AQ	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 BQ	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 LS	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 M	Ferromolybdenum	.200	\$2.81	<b>\$5.18</b>
	Nickel	.350	\$1.90	
	Ferrochromium HC	.550	\$0.47	
4140 MS450	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 Off Chem	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 QL2	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140 QL3	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140/4140H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140/4142	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140/4142H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140/42	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140A	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140B	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140H B74-1	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140H QL2	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140H QL3	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140H/42 QL2	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4140M	Ferromolybdenum	.250	\$3.52	<b>\$4.47</b>
	Ferrochromium HC	1.100	\$0.95	
4140M B74-R	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4141-5/4140	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4142	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4142/4145H Mod	Ferromolybdenum	.300	\$4.22	<b>\$5.17</b>
	Ferrochromium HC	1.100	\$0.95	
4145	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4145H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4145H Mod	Ferromolybdenum	.300	\$4.22	<b>\$5.17</b>
	Ferrochromium HC	1.100	\$0.95	
4145H QL2	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4145M	Ferromolybdenum	.250	\$3.52	<b>\$4.47</b>
	Ferrochromium HC	1.100	\$0.95	
4145M 346	Ferromolybdenum	.310	\$4.36	<b>\$5.31</b>
	Ferrochromium HC	1.100	\$0.95	
4150	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4150H	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
4150H AQ	Ferromolybdenum	.200	\$2.81	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4150H AQ	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
4150RS	Ferromolybdenum	.200	\$2.81	<b>\$3.54</b>
	Ferrochromium HC	.850	\$0.73	
4161/4161H	Ferromolybdenum	.300	\$4.22	<b>\$4.91</b>
	Ferrochromium HC	.800	\$0.69	
4163M	Ferromolybdenum	.150	\$2.11	<b>\$3.27</b>
	Ferrovandium	.050	\$0.47	
	Ferrochromium HC	.800	\$0.69	
4164M	Ferromolybdenum	.080	\$1.12	<b>\$2.55</b>
	Ferrovandium	.065	\$0.61	
	Ferrochromium HC	.950	\$0.82	
41B17 1E0951	Ferromolybdenum	.150	\$2.11	<b>\$2.56</b>
	Ferrochromium HC	.525	\$0.45	
41B30M	Ferromolybdenum	.200	\$2.81	<b>\$3.63</b>
	Ferrochromium HC	.950	\$0.82	
41B30M 1E0997	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.525	\$0.45	
41B30M 1E1671	Ferromolybdenum	.170	\$2.39	<b>\$2.84</b>
	Ferrochromium HC	.525	\$0.45	
41B30M QL3	Ferromolybdenum	.160	\$2.25	<b>\$2.72</b>
	Ferrochromium HC	.550	\$0.47	
41B31M	Ferromolybdenum	.375	\$5.27	<b>\$6.65</b>
	Ferrochromium HC	1.600	\$1.38	
41B33M 1E4415	Ferromolybdenum	.165	\$2.32	<b>\$2.77</b>
	Ferrochromium HC	.525	\$0.45	
41B35M 1E1013	Ferromolybdenum	.075	\$1.05	<b>\$1.48</b>
	Ferrochromium HC	.500	\$0.43	
41V37 Mod	Ferromolybdenum	.325	\$4.57	<b>\$5.85</b>
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	1.050	\$0.90	
42CrMo4	Ferromolybdenum	.200	\$2.81	<b>\$3.76</b>
	Ferrochromium HC	1.100	\$0.95	
42CrMo4 1E2765	Ferromolybdenum	.200	\$2.81	<b>\$3.76</b>
	Ferrochromium HC	1.100	\$0.95	
42CrMo4 Ver10	Ferromolybdenum	.175	\$2.46	<b>\$3.41</b>
	Ferrochromium HC	1.100	\$0.95	
42CrMoS4	Ferromolybdenum	.200	\$2.81	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
42CrMoS4	Ferchromium HC	1.050	\$0.90	<b>\$3.71</b>
4317M2	Ferromolybdenum	.725	\$10.19	
	Nickel	1.725	\$9.35	
	Ferchromium HC	.525	\$0.45	<b>\$19.99</b>
4320	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.500	\$0.43	<b>\$13.84</b>
4320 QL3	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.500	\$0.43	<b>\$13.84</b>
4320H	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.500	\$0.43	<b>\$13.84</b>
4320H B46	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.500	\$0.43	<b>\$13.84</b>
4320H QL3	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.500	\$0.43	<b>\$13.84</b>
4320RH	Ferromolybdenum	.250	\$3.52	
	Nickel	1.830	\$9.92	
	Ferchromium HC	.500	\$0.43	<b>\$13.87</b>
4330V	Ferromolybdenum	.430	\$6.05	
	Nickel	1.825	\$9.89	
	Ferovanadium	.075	\$0.71	
	Ferchromium HC	.870	\$0.75	<b>\$17.40</b>
4340	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.800	\$0.69	<b>\$14.10</b>
4340 1E0830	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.800	\$0.69	<b>\$14.10</b>
4340 AQ	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.800	\$0.69	<b>\$14.10</b>
4340 QL3	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.800	\$0.69	<b>\$14.10</b>
4340H	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferchromium HC	.800	\$0.69	<b>\$14.10</b>
4352 AQ	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4352 AQ	Ferrochromium HC	.800	\$0.69	<b>\$14.10</b>
43V30 Mod	Ferromolybdenum	.530	\$7.45	
	Nickel	2.500	\$13.55	
	Ferrovandium	.090	\$0.85	
	Ferrochromium HC	.950	\$0.82	<b>\$22.67</b>
4625 AMS 6418	Ferromolybdenum	.400	\$5.62	
	Nickel	1.825	\$9.89	
	Ferrochromium HC	.300	\$0.26	<b>\$15.77</b>
4625 IR458	Ferromolybdenum	.400	\$5.62	
	Nickel	1.825	\$9.89	
	Ferrochromium HC	.300	\$0.26	<b>\$15.77</b>
4715	Ferromolybdenum	.520	\$7.31	
	Nickel	.850	\$4.61	
	Ferrochromium HC	.550	\$0.47	<b>\$12.39</b>
4815H	Ferromolybdenum	.250	\$3.52	
	Nickel	3.450	\$18.70	<b>\$22.22</b>
4817	Ferromolybdenum	.250	\$3.52	
	Nickel	3.500	\$18.97	<b>\$22.49</b>
4817RH	Ferromolybdenum	.250	\$3.52	
	Nickel	3.500	\$18.97	<b>\$22.49</b>
50B35 1E1201	Ferrochromium HC	.480	\$0.41	<b>\$0.41</b>
5120	Ferrochromium HC	.800	\$0.69	<b>\$0.69</b>
5125RH	Ferrochromium HC	1.100	\$0.95	<b>\$0.95</b>
5130-4	Ferrochromium HC	.950	\$0.82	<b>\$0.82</b>
5130/5130H	Ferrochromium HC	.950	\$0.82	<b>\$0.82</b>
5140	Ferrochromium HC	.800	\$0.69	<b>\$0.69</b>
5160	Ferrochromium HC	.875	\$0.75	<b>\$0.75</b>
5160H	Ferrochromium HC	.875	\$0.75	<b>\$0.75</b>
5160H Mod	Ferrochromium HC	.950	\$0.82	<b>\$0.82</b>
52100	Ferrochromium HC	1.450	\$1.25	<b>\$1.25</b>
58CrMoV4	Ferromolybdenum	.175	\$2.46	
	Ferrovandium	.125	\$1.18	
	Ferrochromium HC	.970	\$0.83	<b>\$4.47</b>
6175 Mod	Ferrovandium	.175	\$1.65	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
6175 Mod	Ferchromium HC	1.125	\$0.97	<b>\$2.62</b>
6330	Ferromolybdenum	.500	\$7.03	
	Ferovanadium	.250	\$2.35	
	Ferchromium HC	1.350	\$1.16	<b>\$10.54</b>
7474-5/4130M	Ferromolybdenum	.225	\$3.16	
	Nickel	.200	\$1.08	
	Ferchromium HC	1.000	\$0.86	<b>\$5.10</b>
8616 Mod	Ferromolybdenum	.200	\$2.81	
	Nickel	.200	\$1.08	<b>\$3.89</b>
8617	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8617/8620H	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8617H AQ	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8617H/8620	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8619 A534 BQ	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8619H BQ QL3	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8620	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8620 1E2743	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8620 A2	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8620 BQ	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8620 FG	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 MAT 1052	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620 MS450 -B	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620 Off-Heat	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620 QL2	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620 QL3	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/20H QL2	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/22	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/22 QL2	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/8620H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/8620H QL3	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/8622H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/8622H QL2	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620/8622H QL3	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620H B81	Ferromolybdenum	.200	\$2.81	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620H B81	Nickel	.550	\$2.98	<b>\$6.22</b>
	Ferrochromium HC	.500	\$0.43	
8620H QL3	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8620M B81	Ferromolybdenum	.220	\$3.09	<b>\$6.97</b>
	Nickel	.630	\$3.41	
	Ferrochromium HC	.550	\$0.47	
8620RH	Ferromolybdenum	.200	\$2.81	<b>\$6.26</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.550	\$0.47	
8622H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8622RH	Ferromolybdenum	.200	\$2.81	<b>\$6.26</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.550	\$0.47	
8625	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8625H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8627H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8630	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8630 CGL-6	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8630 QL3	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8630H	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8637	Ferromolybdenum	.200	\$2.81	<b>\$6.22</b>
	Nickel	.550	\$2.98	
	Ferrochromium HC	.500	\$0.43	
8637H	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8637H	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8637RC	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8640	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8650	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8650 AQ	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
86B20H	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.525	\$0.45	<b>\$6.24</b>
86B30H	Ferromolybdenum	.200	\$2.81	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.22</b>
8720	Ferromolybdenum	.250	\$3.52	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$6.93</b>
8822H	Ferromolybdenum	.350	\$4.92	
	Nickel	.500	\$2.71	
	Ferchromium HC	.500	\$0.43	<b>\$8.06</b>
8822H B79	Ferromolybdenum	.350	\$4.92	
	Nickel	.500	\$2.71	
	Ferchromium HC	.500	\$0.43	<b>\$8.06</b>
8822H B79-1	Ferromolybdenum	.350	\$4.92	
	Nickel	.500	\$2.71	
	Ferchromium HC	.530	\$0.46	<b>\$8.09</b>
8822H QL2	Ferromolybdenum	.350	\$4.92	
	Nickel	.550	\$2.98	
	Ferchromium HC	.500	\$0.43	<b>\$8.33</b>
8822H QL3	Ferromolybdenum	.350	\$4.92	
	Nickel	.500	\$2.71	
	Ferchromium HC	.500	\$0.43	<b>\$8.06</b>
8822RH	Ferromolybdenum	.350	\$4.92	
	Nickel	.500	\$2.71	
	Ferchromium HC	.500	\$0.43	<b>\$8.06</b>
9313/9313H	Ferromolybdenum	.120	\$1.69	
	Nickel	3.250	\$17.62	
	Ferovanadium	.040	\$0.38	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
9313/9313H	Ferrochromium HC	1.450	\$1.25	<b>\$20.94</b>
9315H	Ferromolybdenum	.115	\$1.62	
	Nickel	3.325	\$18.02	
	Ferrochromium LC	1.275	\$2.56	<b>\$22.20</b>
9350	Ferromolybdenum	.115	\$1.62	
	Nickel	3.250	\$17.62	
	Ferrovandium	.045	\$0.42	
	Ferrochromium HC	1.250	\$1.08	<b>\$20.74</b>
A707 L3	Ferrovandium	.065	\$0.61	<b>\$0.61</b>
A739 B22	Ferromolybdenum	1.000	\$14.06	
	Ferrochromium LC	2.250	\$4.52	<b>\$18.58</b>
E4140	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
E4145H	Ferromolybdenum	.200	\$2.81	
	Ferrochromium HC	.950	\$0.82	<b>\$3.63</b>
E4340	Ferromolybdenum	.250	\$3.52	
	Nickel	1.825	\$9.89	
	Ferrochromium HC	.800	\$0.69	<b>\$14.10</b>
ETN-22	Ferromolybdenum	.150	\$2.11	
	Ferrochromium HC	.500	\$0.43	<b>\$2.54</b>
EX15 QL3	Ferromolybdenum	.170	\$2.39	
	Ferrochromium HC	.500	\$0.43	<b>\$2.82</b>
EX16	Ferromolybdenum	.170	\$2.39	
	Ferrochromium HC	.500	\$0.43	<b>\$2.82</b>
EX55H	Ferromolybdenum	.740	\$10.40	
	Nickel	1.830	\$9.92	
	Ferrochromium HC	.680	\$0.58	<b>\$20.90</b>
F11	Ferromolybdenum	.550	\$7.73	
	Ferrochromium LC	1.250	\$2.51	<b>\$10.24</b>
F11 A182	Ferromolybdenum	.550	\$7.73	
	Ferrochromium LC	1.250	\$2.51	<b>\$10.24</b>
F12	Ferromolybdenum	.550	\$7.73	
	Ferrochromium LC	1.030	\$2.07	<b>\$9.80</b>
F22	Ferromolybdenum	1.000	\$14.06	
	Ferrochromium LC	2.250	\$4.52	<b>\$18.58</b>
F22 A182	Ferromolybdenum	1.000	\$14.06	
	Ferrochromium LC	2.250	\$4.52	<b>\$18.58</b>
F5	Ferromolybdenum	.550	\$7.73	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
F5	Ferrochromium LC	5.000	\$10.05	\$17.78
F9	Ferromolybdenum	1.000	\$14.06	\$32.15
	Ferrochromium LC	9.000	\$18.09	
F91	Ferromolybdenum	.950	\$13.36	\$33.07
	Ferrovandium	.215	\$2.02	
	Ferrochromium LC	8.800	\$17.69	
Grade 620	Ferrovandium	.085	\$0.80	\$0.80
MMFX	Ferrochromium LC	9.500	\$19.10	\$19.10
MMFX VTD	Ferrochromium LC	9.500	\$19.10	\$19.10
PS16RH	Ferromolybdenum	.170	\$2.39	\$2.82
	Ferrochromium HC	.500	\$0.43	
PS17	Ferromolybdenum	.170	\$2.39	\$2.82
	Ferrochromium HC	.500	\$0.43	
PS17 RH	Ferromolybdenum	.170	\$2.39	\$2.82
	Ferrochromium HC	.500	\$0.43	
PS18	Ferromolybdenum	.170	\$2.39	\$2.84
	Ferrochromium HC	.525	\$0.45	
PS18RH	Ferromolybdenum	.170	\$2.39	\$2.84
	Ferrochromium HC	.525	\$0.45	
S45-MR #13	Ferrovandium	.075	\$0.71	\$0.71
SCM420H	Ferromolybdenum	.200	\$2.81	\$3.77
	Ferrochromium HC	1.120	\$0.96	
SW85	Ferrovandium	.135	\$1.27	\$1.27
T11 A213	Ferromolybdenum	.550	\$7.73	\$10.24
	Ferrochromium LC	1.250	\$2.51	
T12 A213	Ferromolybdenum	.550	\$7.73	\$9.80
	Ferrochromium LC	1.030	\$2.07	
T1A	Ferromolybdenum	.550	\$7.73	\$7.73
T2	Ferromolybdenum	.560	\$7.87	\$8.43
	Ferrochromium HC	.650	\$0.56	
T2 (7075-9)	Ferromolybdenum	.560	\$7.87	\$8.43
	Ferrochromium HC	.650	\$0.56	
T2 A213	Ferromolybdenum	.560	\$7.87	\$8.43
	Ferrochromium HC	.650	\$0.56	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
T22 A213	Ferromolybdenum	1.000	\$14.06	
	Ferrochromium LC	2.250	\$4.52	<b>\$18.58</b>
T5 A213	Ferromolybdenum	.545	\$7.66	
	Ferrochromium LC	5.000	\$10.05	<b>\$17.71</b>
T9 A213	Ferromolybdenum	1.000	\$14.06	
	Ferrochromium LC	9.000	\$18.09	<b>\$32.15</b>
T91 A213	Ferromolybdenum	.950	\$13.36	
	Ferrovandium	.215	\$2.02	
	Ferrochromium LC	8.800	\$17.69	<b>\$33.07</b>