



December 13, 2023

## January 2024 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 11th, 2023, the three-city average for No.1 Bundles was \$511.67 ton. Using our revised method, the January 2024 scrap surcharge for SBQ product is \$396.67/ton (\$19.83/cwt). This represents an increase from December 2023.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill  
Sales & Marketing Manager



December 13, 2023

## January 2024 Alloy Surcharge Announcement

Effective January 1, 2024 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 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 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
Dec 8th Index Value	\$3.05	\$2.03	\$21.38	\$7.40	\$13.98	\$.81
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
January 2024 Surcharge/lb.	\$3.29	\$2.18	\$20.44	\$4.59	\$9.38	\$0.22cwt

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 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
1022M Ni	Nickel	.275	\$1.26	<b>\$1.26</b>
1033V	Ferrovandium	.125	\$1.17	<b>\$1.17</b>
1045 R6 V QL2	Ferrovandium	.040	\$0.38	<b>\$0.38</b>
1045 V	Ferrovandium	.070	\$0.66	<b>\$0.66</b>
1045 V FG	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
1045 V FG QL2	Ferrovandium	.040	\$0.38	<b>\$0.38</b>
1080 400C	Ferrovandium HC	.520	\$1.13	<b>\$1.13</b>
1080 425C	Ferrovandium HC	.550	\$1.20	<b>\$1.20</b>
1080 525A	Ferrovandium HC	.950	\$2.07	<b>\$2.07</b>
1080 525C	Ferrovandium HC	.950	\$2.07	<b>\$2.07</b>
1080 525D	Ferrovandium HC	.950	\$2.07	<b>\$2.07</b>
1080 525T	Ferrovandium HC	1.100	\$2.40	<b>\$2.40</b>
1095	Ferrovandium HC	.350	\$0.76	<b>\$0.76</b>
1095 200A	Ferrovandium HC	.350	\$0.76	<b>\$0.76</b>
1095 260A	Ferrovandium HC	.350	\$0.76	<b>\$0.76</b>
10V18	Ferrovandium	.060	\$0.56	<b>\$0.56</b>
10V40 QL2	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V43 B156	Ferrovandium Ferrovandium HC	.095 .145	\$0.89 \$0.32	<b>\$1.21</b>
10V45	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V45 JD AO QL2	Ferrovandium	.150	\$1.41	<b>\$1.41</b>
10V45 QL2	Ferrovandium	.100	\$0.94	<b>\$0.94</b>
10V45 RES10172	Ferrovandium	.150	\$1.41	<b>\$1.41</b>
10V50	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
10V86M	Ferrovandium	.250	\$2.35	<b>\$2.35</b>
1141 QL2 V FG	Ferrovandium	.030	\$0.28	<b>\$0.28</b>

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
1141 V FG	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
1141 V FG QL2	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
1141 V FG QL3	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
1144 V FG	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
1144V FG	Ferrovandium	.060	\$0.56	<b>\$0.56</b>
11V41	Ferrovandium	.090	\$0.84	<b>\$0.84</b>
11V41 QL2	Ferrovandium	.090	\$0.84	<b>\$0.84</b>
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.66 \$43.59	<b>\$44.25</b>
13%Cr/420 Mod	Ferrovandium Ferrochromium LC	.070 13.250	\$0.66 \$43.59	<b>\$44.25</b>
1328M R3	Ferrochromium HC	.170	\$0.37	<b>\$0.37</b>
1517V1	Ferrovandium	.012	\$0.11	<b>\$0.11</b>
1517V2	Ferrovandium	.015	\$0.14	<b>\$0.14</b>
1518-7	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
1518M	Ferrovandium Ferrochromium HC	.020 .220	\$0.19 \$0.48	<b>\$0.67</b>
1520BV	Ferromolybdenum Ferrovandium	.040 .110	\$0.82 \$1.03	<b>\$1.85</b>
1522 MOD	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
1522M	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
1523	Ferrovandium	.080	\$0.75	<b>\$0.75</b>
1524	Ferrochromium HC	.120	\$0.26	<b>\$0.26</b>
1524M E0769	Ferrochromium LC	.120	\$0.39	<b>\$0.39</b>
1536M QL3	Ferromolybdenum Ferrochromium LC	.050 .175	\$1.02 \$0.58	<b>\$1.60</b>
1537HC	Ferrochromium HC	.400	\$0.87	<b>\$0.87</b>
1538MV	Ferrovandium Ferrochromium HC	.100 .150	\$0.94 \$0.33	<b>\$1.27</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
1541H Mod	Ferromolybdenum	.050	\$1.02	
	Nickel	.200	\$0.92	
	Ferrochromium LC	.190	\$0.63	<b>\$2.57</b>
1575 R260	Nickel	.080	\$0.37	
	Ferrochromium LC	.125	\$0.41	<b>\$0.78</b>
1590 UHC	Ferrochromium HC	.280	\$0.61	<b>\$0.61</b>
15B28 Mod	Ferromolybdenum	.150	\$3.07	<b>\$3.07</b>
15B29 Mod	Ferromolybdenum	.150	\$3.07	<b>\$3.07</b>
15B33	Ferrochromium HC	.550	\$1.20	<b>\$1.20</b>
15B34 1E0669	Ferromolybdenum	.040	\$0.82	
	Nickel	.100	\$0.46	
	Ferrochromium LC	.110	\$0.36	<b>\$1.64</b>
15B34 1E0670	Ferromolybdenum	.040	\$0.82	
	Nickel	.100	\$0.46	
	Ferrochromium HC	.150	\$0.33	<b>\$1.61</b>
15B34 1E1287	Ferromolybdenum	.040	\$0.82	
	Nickel	.100	\$0.46	
	Ferrochromium LC	.175	\$0.58	<b>\$1.86</b>
15B34M	Ferromolybdenum	.040	\$0.82	
	Nickel	.100	\$0.46	
	Ferrochromium HC	.175	\$0.38	<b>\$1.66</b>
15B36	Ferromolybdenum	.030	\$0.61	
	Ferrochromium HC	.100	\$0.22	<b>\$0.83</b>
15B37H	Ferrochromium LC	.170	\$0.56	<b>\$0.56</b>
15B37M	Ferromolybdenum	.030	\$0.61	
	Ferrochromium HC	.100	\$0.22	<b>\$0.83</b>
15B41 1E028	Nickel	.070	\$0.32	
	Ferrochromium LC	.100	\$0.33	<b>\$0.65</b>
15V10M	Ferrovandium	.030	\$0.28	<b>\$0.28</b>
15V16	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
15V16 LF6	Ferrovandium	.025	\$0.23	<b>\$0.23</b>
15V18	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
15V18M	Ferrovandium	.080	\$0.75	<b>\$0.75</b>
15V20M	Ferrovandium	.170	\$1.59	<b>\$1.59</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
15V22	Ferrovandium	.055	\$0.52	<b>\$0.52</b>
15V22 PT	Ferrovandium	.055	\$0.52	<b>\$0.52</b>
15V24	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
15V24 Mod	Ferrovandium	.150	\$1.41	<b>\$1.41</b>
15V24M	Ferrovandium Ferrochromium HC	.135 .120	\$1.27 \$0.26	<b>\$1.53</b>
15V27M	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
15V30	Ferrovandium	.135	\$1.27	<b>\$1.27</b>
15V30 Mod	Ferrovandium	.135	\$1.27	<b>\$1.27</b>
15V30M	Ferrovandium	.190	\$1.78	<b>\$1.78</b>
15V34M	Ferrovandium	.240	\$2.25	<b>\$2.25</b>
15V37M	Nickel Ferrovandium Ferrochromium HC	.150 .065 .150	\$0.69 \$0.61 \$0.33	<b>\$1.63</b>
15V37M 1E1586	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
15V37Mod	Ferrovandium Ferrochromium HC	.085 .220	\$0.80 \$0.48	<b>\$1.28</b>
15V38 C38 Mod	Ferrovandium Ferrochromium HC	.100 .150	\$0.94 \$0.33	<b>\$1.27</b>
15V38M	Ferrovandium Ferrochromium HC	.090 .150	\$0.84 \$0.33	<b>\$1.17</b>
15V40M	Ferrovandium Ferrochromium HC	.100 .150	\$0.94 \$0.33	<b>\$1.27</b>
15V41	Ferromolybdenum Nickel Ferrovandium Ferrochromium HC	.030 .080 .100 .150	\$0.61 \$0.37 \$0.94 \$0.33	<b>\$2.25</b>
15V44 C44 Mod	Ferrovandium Ferrochromium HC	.145 .250	\$1.36 \$0.55	<b>\$1.91</b>
15V45M	Ferrovandium	.125	\$1.17	<b>\$1.17</b>
15V45M 1E1106	Ferrovandium	.130	\$1.22	<b>\$1.22</b>
16MnCr5	Nickel	.100	\$0.46	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
16MnCr5	Ferchromium HC	1.050	\$2.29	<b>\$2.75</b>
16MnCrS5	Ferchromium HC	1.050	\$2.29	<b>\$2.29</b>
17MnV7	Ferrovandium	.165	\$1.55	<b>\$1.55</b>
18CrNiMo7-6	Ferromolybdenum	.300	\$6.13	<b>\$16.84</b>
	Nickel	1.550	\$7.11	
	Ferchromium HC	1.650	\$3.60	
18CrNiMo7-6 +HH	Ferromolybdenum	.300	\$6.13	<b>\$16.84</b>
	Nickel	1.550	\$7.11	
	Ferchromium HC	1.650	\$3.60	
1E1371	Ferromolybdenum	.350	\$7.15	<b>\$11.96</b>
	Ferrovandium	.095	\$0.89	
	Ferchromium HC	1.800	\$3.92	
1E1497	Ferrovandium	.100	\$0.94	<b>\$1.27</b>
	Ferchromium HC	.150	\$0.33	
20MnCr5	Ferchromium HC	1.200	\$2.62	<b>\$2.62</b>
20MnCrS5	Ferchromium HC	1.150	\$2.51	<b>\$2.51</b>
25MoCr4	Ferromolybdenum	.440	\$8.99	<b>\$11.87</b>
	Nickel	.200	\$0.92	
	Ferchromium HC	.900	\$1.96	
25MoCr4 Ver 50	Ferromolybdenum	.425	\$8.69	<b>\$10.59</b>
	Ferchromium HC	.870	\$1.90	
25MoCrS4 Hay1	Ferromolybdenum	.425	\$8.69	<b>\$10.76</b>
	Ferchromium HC	.950	\$2.07	
25MoCrS4 Hay2	Ferromolybdenum	.425	\$8.69	<b>\$10.76</b>
	Ferchromium HC	.950	\$2.07	
30Mn5	Ferrovandium	.080	\$0.75	<b>\$1.90</b>
	Ferchromium LC	.350	\$1.15	
30MnVS6	Ferrovandium	.115	\$1.08	<b>\$1.08</b>
30MnVS6-VD	Ferrovandium	.110	\$1.03	<b>\$1.03</b>
35MnVS4	Ferrovandium	.200	\$1.88	<b>\$2.21</b>
	Ferchromium HC	.150	\$0.33	
37CRS4	Ferchromium HC	1.050	\$2.29	<b>\$2.29</b>
38MnSiVS5	Ferrovandium	.110	\$1.03	<b>\$1.31</b>
	Ferchromium HC	.130	\$0.28	
38MnVS6	Ferrovandium	.110	\$1.03	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
38MnVS6	Ferchromium HC	.150	\$0.33	<b>\$1.36</b>
38MnVS6M	Ferovanadium	.240	\$2.25	<b>\$2.25</b>
4023	Ferromolybdenum	.250	\$5.11	<b>\$5.11</b>
4027	Ferromolybdenum	.260	\$5.31	<b>\$5.31</b>
40BV40 Mod	Ferromolybdenum Ferovanadium	.355 .100	\$7.26 \$0.94	<b>\$8.20</b>
40BV40M 1E4146	Ferromolybdenum Ferovanadium	.355 .100	\$7.26 \$0.94	<b>\$8.20</b>
4118	Ferromolybdenum Ferchromium HC	.115 .500	\$2.35 \$1.09	<b>\$3.44</b>
4118-8/BQ	Ferromolybdenum Ferchromium HC	.115 .500	\$2.35 \$1.09	<b>\$3.44</b>
4118/4118-2	Ferromolybdenum Ferchromium HC	.115 .500	\$2.35 \$1.09	<b>\$3.44</b>
4120	Ferromolybdenum Ferchromium HC	.170 .520	\$3.47 \$1.13	<b>\$4.60</b>
4120 QL2	Ferromolybdenum Ferchromium HC	.170 .520	\$3.47 \$1.13	<b>\$4.60</b>
4120 QL3	Ferromolybdenum Ferchromium HC	.170 .520	\$3.47 \$1.13	<b>\$4.60</b>
4120H	Ferromolybdenum Ferchromium HC	.150 .500	\$3.07 \$1.09	<b>\$4.16</b>
4120H B81	Ferromolybdenum Ferchromium HC	.170 .500	\$3.47 \$1.09	<b>\$4.56</b>
4120H QL2	Ferromolybdenum Ferchromium HC	.170 .520	\$3.47 \$1.13	<b>\$4.60</b>
4120M	Ferromolybdenum Ferchromium HC	.175 .500	\$3.58 \$1.09	<b>\$4.67</b>
4120M 1E1120	Ferromolybdenum Ferchromium HC	.165 .575	\$3.37 \$1.25	<b>\$4.62</b>
4120RH QL4	Ferromolybdenum Ferchromium HC	.170 .520	\$3.47 \$1.13	<b>\$4.60</b>
4122M	Ferromolybdenum Ferchromium HC	.170 .500	\$3.47 \$1.09	<b>\$4.56</b>
4122M 1E0078 UC	Ferromolybdenum	.225	\$4.60	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4122M 1E0078 UC	Ferrochromium HC	.825	\$1.80	<b>\$6.40</b>
4122M 1E0778	Ferromolybdenum Ferrochromium HC	.225 .825	\$4.60 \$1.80	<b>\$6.40</b>
4122M 1E0778 UC	Ferromolybdenum Ferrochromium HC	.225 .850	\$4.60 \$1.85	<b>\$6.45</b>
4122M 1E1054	Ferromolybdenum Ferrochromium HC	.325 .925	\$6.64 \$2.02	<b>\$8.66</b>
4122M B222-6(F)	Ferromolybdenum Ferrochromium HC	.170 .450	\$3.47 \$0.98	<b>\$4.45</b>
4124	Ferromolybdenum Ferrochromium HC	.150 .650	\$3.07 \$1.42	<b>\$4.49</b>
4124 M	Ferromolybdenum Nickel Ferrochromium HC	.400 .205 1.025	\$8.18 \$0.94 \$2.23	<b>\$11.35</b>
4124M	Ferromolybdenum Ferrochromium HC	.170 .650	\$3.47 \$1.42	<b>\$4.89</b>
4124M B222	Ferromolybdenum Ferrochromium HC	.170 .650	\$3.47 \$1.42	<b>\$4.89</b>
4124M B222-5(F)	Ferromolybdenum Ferrochromium HC	.170 .650	\$3.47 \$1.42	<b>\$4.89</b>
4124M B222-5mod	Ferromolybdenum Ferrochromium HC	.170 .750	\$3.47 \$1.64	<b>\$5.11</b>
4124M B222-7(F)	Ferromolybdenum Ferrochromium HC	.170 .600	\$3.47 \$1.31	<b>\$4.78</b>
4124M B222-8	Ferromolybdenum Ferrochromium HC	.300 .750	\$6.13 \$1.64	<b>\$7.77</b>
4128	Ferromolybdenum Ferrovanadium Ferrochromium HC	.350 .095 1.800	\$7.15 \$0.89 \$3.92	<b>\$11.96</b>
4128M	Ferromolybdenum Ferrovanadium Ferrochromium HC	.390 .100 1.800	\$7.97 \$0.94 \$3.92	<b>\$12.83</b>
4129M	Ferromolybdenum Ferrochromium HC	.700 1.350	\$14.31 \$2.94	<b>\$17.25</b>
4130	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.09 \$2.07	<b>\$6.16</b>
4130 1E1058	Ferromolybdenum	.200	\$4.09	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130 1E1058	Ferrochromium HC	1.000	\$2.18	\$6.27
4130 1E2737	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 1E5205	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 AQ	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 CF-003	Ferromolybdenum Nickel Ferrochromium HC	.200 .100 1.050	\$4.09 \$0.46 \$2.29	\$6.84
4130 CGL-2	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 ES-330	Ferromolybdenum Nickel Ferrochromium HC	.230 .100 1.000	\$4.70 \$0.46 \$2.18	\$7.34
4130 ES220	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 MBQ	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130 Mod	Ferromolybdenum Ferrochromium HC	.650 1.000	\$13.29 \$2.18	\$15.47
4130 TW051592	Ferromolybdenum Ferrochromium HC	.220 1.000	\$4.50 \$2.18	\$6.68
4130-4 MS	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130-5/4130	Ferromolybdenum Ferrochromium HC	.200 1.040	\$4.09 \$2.27	\$6.36
4130-6/4130	Ferromolybdenum Ferrochromium HC	.200 1.040	\$4.09 \$2.27	\$6.36
4130-9/4130M	Ferromolybdenum Nickel Ferrochromium HC	.225 .200 1.000	\$4.60 \$0.92 \$2.18	\$7.70
4130/4130H	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.09 \$2.07	\$6.16
4130A	Ferromolybdenum Ferrochromium HC	.200 1.000	\$4.09 \$2.18	\$6.27
4130B AQ	Ferromolybdenum	.220	\$4.50	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130B AQ	Ferrochromium HC	1.000	\$2.18	<b>\$6.68</b>
4130B Mod	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130H QL2	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130H QL3	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130I	Ferromolybdenum	.700	\$14.31	<b>\$17.25</b>
	Ferrochromium HC	1.350	\$2.94	
4130M	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130M 1E2737	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130M TW032808	Ferromolybdenum	.220	\$4.50	<b>\$7.35</b>
	Ferrovandium	.060	\$0.56	
	Ferrochromium HC	1.050	\$2.29	
4130M TW061206	Ferromolybdenum	.275	\$5.62	<b>\$8.40</b>
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	1.100	\$2.40	
4130M7	Ferromolybdenum	.700	\$14.31	<b>\$17.25</b>
	Ferrochromium HC	1.350	\$2.94	
4130RH	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4130U	Ferromolybdenum	.225	\$4.60	<b>\$6.67</b>
	Ferrochromium HC	.950	\$2.07	
4132 M	Ferromolybdenum	.650	\$13.29	<b>\$16.02</b>
	Ferrochromium HC	1.250	\$2.73	
4132 MS362	Ferromolybdenum	.425	\$8.69	<b>\$11.42</b>
	Ferrochromium HC	1.250	\$2.73	
4132M	Ferromolybdenum	.425	\$8.69	<b>\$16.77</b>
	Nickel	1.275	\$5.85	
	Ferrochromium HC	1.025	\$2.23	
4135	Ferromolybdenum	.315	\$6.44	<b>\$9.76</b>
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.100	\$2.40	
4135 B73	Ferromolybdenum	.200	\$4.09	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4135 B73	Ferrochromium HC	1.000	\$2.18	<b>\$6.27</b>
4135H Mod	Ferromolybdenum	.315	\$6.44	
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.100	\$2.40	<b>\$9.76</b>
4135H QL2	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	1.000	\$2.18	<b>\$6.27</b>
4137	Ferromolybdenum	.320	\$6.54	
	Ferrochromium HC	1.050	\$2.29	<b>\$8.83</b>
4137 M	Ferromolybdenum	.320	\$6.54	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.94</b>
4137 MS303	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.53</b>
4137 MS309	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.53</b>
4137 MS371	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.53</b>
4137 Mod	Ferromolybdenum	.325	\$6.64	
	Ferrochromium HC	1.125	\$2.45	<b>\$9.09</b>
4137/4140	Ferromolybdenum	.175	\$3.58	
	Ferrochromium HC	.950	\$2.07	<b>\$5.65</b>
4137H	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4137M	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.53</b>
4137M 341	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.050	\$2.29	<b>\$8.42</b>
4137M MS364	Ferromolybdenum	.300	\$6.13	
	Ferrochromium HC	1.100	\$2.40	<b>\$8.53</b>
4137RS	Ferromolybdenum	.225	\$4.60	
	Ferrochromium HC	.950	\$2.07	<b>\$6.67</b>
4140	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 1E1636	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 1E509	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140 1E5211	Ferromolybdenum	.225	\$4.60	
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.000	\$2.18	<b>\$7.70</b>
4140 A1	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 AQ	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 BQ	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 CF-001	Ferromolybdenum	.200	\$4.09	
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.000	\$2.18	<b>\$7.19</b>
4140 ES-324	Ferromolybdenum	.200	\$4.09	
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.000	\$2.18	<b>\$7.19</b>
4140 ES-325	Ferromolybdenum	.200	\$4.09	
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.000	\$2.18	<b>\$7.19</b>
4140 LS	Ferromolybdenum	.200	\$4.09	
	Nickel	.200	\$0.92	
	Ferrochromium HC	.950	\$2.07	<b>\$7.08</b>
4140 M	Ferromolybdenum	.200	\$4.09	
	Nickel	.350	\$1.61	
	Ferrochromium HC	.550	\$1.20	<b>\$6.90</b>
4140 MS450	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 Off Chem	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 QL2	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140 QL3	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140/4140H	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140/4142	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140/4142H	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	.950	\$2.07	<b>\$6.16</b>
4140/42	Ferromolybdenum	.200	\$4.09	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140/42	Ferchromium HC	.950	\$2.07	<b>\$6.16</b>
4140A	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140B	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140H B74-1	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140H QL2	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140H QL3	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140H/42 QL2	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140M	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140M B74-R	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4140M S315	Ferromolybdenum	.200	\$4.09	<b>\$7.27</b>
	Nickel	.200	\$0.92	
	Ferrovandium	.020	\$0.19	
	Ferchromium HC	.950	\$2.07	
4140Mod	Ferromolybdenum	.225	\$4.60	<b>\$7.11</b>
	Ferchromium HC	1.150	\$2.51	
4140RS	Ferromolybdenum	.200	\$4.09	<b>\$6.38</b>
	Ferchromium HC	1.050	\$2.29	
4141-5/4140	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4141H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4142	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
4142/4145H Mod	Ferromolybdenum	.300	\$6.13	<b>\$8.53</b>
	Ferchromium HC	1.100	\$2.40	
4145	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4145 1E0598	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4145H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4145H M	Ferromolybdenum	.380	\$7.77	<b>\$10.17</b>
	Ferrochromium HC	1.100	\$2.40	
4145H Mod	Ferromolybdenum	.300	\$6.13	<b>\$8.53</b>
	Ferrochromium HC	1.100	\$2.40	
4145H QL2	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4145M	Ferromolybdenum	.250	\$5.11	<b>\$7.51</b>
	Ferrochromium HC	1.100	\$2.40	
4145M 346	Ferromolybdenum	.310	\$6.34	<b>\$8.74</b>
	Ferrochromium HC	1.100	\$2.40	
4150	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150 QL2	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150 QL2 AQ	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150H 1E9999	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150H AQ	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferrochromium HC	.950	\$2.07	
4150RS	Ferromolybdenum	.200	\$4.09	<b>\$5.94</b>
	Ferrochromium HC	.850	\$1.85	
4161 1E0490	Ferromolybdenum	.300	\$6.13	<b>\$7.87</b>
	Ferrochromium HC	.800	\$1.74	
4161/4161H	Ferromolybdenum	.300	\$6.13	<b>\$7.87</b>
	Ferrochromium HC	.800	\$1.74	
4162	Ferromolybdenum	.200	\$4.09	<b>\$7.24</b>
	Nickel	.200	\$0.92	
	Ferrochromium HC	1.025	\$2.23	
4163M	Ferromolybdenum	.150	\$3.07	
	Ferrovandium	.050	\$0.47	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4163M	Ferrochromium HC	.800	\$1.74	<b>\$5.28</b>
4164M	Ferromolybdenum	.080	\$1.64	
	Ferrovandium	.065	\$0.61	
	Ferrochromium HC	.950	\$2.07	<b>\$4.32</b>
41B17	Ferromolybdenum	.125	\$2.56	
	Ferrochromium HC	.575	\$1.25	<b>\$3.81</b>
41B17 1E0951	Ferromolybdenum	.125	\$2.56	
	Ferrochromium HC	.575	\$1.25	<b>\$3.81</b>
41B30M	Ferromolybdenum	.150	\$3.07	
	Ferrochromium HC	.500	\$1.09	<b>\$4.16</b>
41B30M 1E0997	Ferromolybdenum	.170	\$3.47	
	Ferrochromium HC	.525	\$1.14	<b>\$4.61</b>
41B30M 1E1671	Ferromolybdenum	.170	\$3.47	
	Ferrochromium HC	.525	\$1.14	<b>\$4.61</b>
41B30M QL3	Ferromolybdenum	.160	\$3.27	
	Ferrochromium HC	.550	\$1.20	<b>\$4.47</b>
41B31M	Ferromolybdenum	.375	\$7.67	
	Ferrochromium HC	1.600	\$3.49	<b>\$11.16</b>
41B32M	Ferromolybdenum	.425	\$8.69	
	Nickel	1.275	\$5.85	
	Ferrochromium HC	1.025	\$2.23	<b>\$16.77</b>
41B33M	Ferromolybdenum	.150	\$3.07	
	Ferrochromium HC	.500	\$1.09	<b>\$4.16</b>
41B33M 1E4415	Ferromolybdenum	.165	\$3.37	
	Ferrochromium HC	.525	\$1.14	<b>\$4.51</b>
41B35M	Ferromolybdenum	.075	\$1.53	
	Ferrochromium HC	.500	\$1.09	<b>\$2.62</b>
41B35M 1E1013	Ferromolybdenum	.075	\$1.53	
	Ferrochromium HC	.500	\$1.09	<b>\$2.62</b>
41V37 Mod	Ferromolybdenum	.325	\$6.64	
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	1.050	\$2.29	<b>\$9.31</b>
42CrMo4	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	1.100	\$2.40	<b>\$6.49</b>
42CrMo4 1E2765	Ferromolybdenum	.200	\$4.09	
	Ferrochromium HC	1.100	\$2.40	<b>\$6.49</b>
42CrMo4 Ver10	Ferromolybdenum	.175	\$3.58	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
42CrMo4 Ver10	Ferrochromium HC	1.100	\$2.40	<b>\$5.98</b>
42CrMoS4	Ferromolybdenum	.200	\$4.09	<b>\$6.38</b>
	Ferrochromium HC	1.050	\$2.29	
4317M2	Ferromolybdenum	.750	\$15.33	<b>\$25.13</b>
	Nickel	1.850	\$8.49	
	Ferrochromium HC	.600	\$1.31	
4320	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320 QL3	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320H	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320H B46	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320H BQ	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320H QL3	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320H QL4	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	
4320M	Ferromolybdenum	.250	\$5.11	<b>\$12.04</b>
	Nickel	1.025	\$4.70	
	Ferrochromium HC	1.025	\$2.23	
4320RH	Ferromolybdenum	.250	\$5.11	<b>\$14.60</b>
	Nickel	1.830	\$8.40	
	Ferrochromium HC	.500	\$1.09	
4320RH UC	Ferromolybdenum	.250	\$5.11	<b>\$14.60</b>
	Nickel	1.830	\$8.40	
	Ferrochromium HC	.500	\$1.09	
4330V	Ferromolybdenum	.430	\$8.79	<b>\$19.77</b>
	Nickel	1.825	\$8.38	
	Ferrovandium	.075	\$0.70	
	Ferrochromium HC	.870	\$1.90	
4340	Ferromolybdenum	.250	\$5.11	<b>\$14.58</b>
	Nickel	1.825	\$8.38	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4340	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4340 1E0830	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4340 AQ	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4340 QL2	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4340 QL3	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4340H	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4350H	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
4352 AQ	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.800	\$1.74	<b>\$15.23</b>
43B20	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.500	\$1.09	<b>\$14.58</b>
43V30 Mod	Ferromolybdenum	.530	\$10.83	
	Nickel	2.500	\$11.48	
	Ferrovandium	.090	\$0.84	
	Ferrochromium HC	.950	\$2.07	<b>\$25.22</b>
44W	Ferrovandium	.025	\$0.23	<b>\$0.23</b>
4620 QL3	Ferromolybdenum	.250	\$5.11	
	Nickel	1.825	\$8.38	<b>\$13.49</b>
4623	Ferromolybdenum	.180	\$3.68	
	Nickel	1.820	\$8.35	
	Ferrovandium	.060	\$0.56	<b>\$12.59</b>
4625 AMS 6418	Ferromolybdenum	.400	\$8.18	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.300	\$0.65	<b>\$17.21</b>
4625 IR458	Ferromolybdenum	.400	\$8.18	
	Nickel	1.825	\$8.38	
	Ferrochromium HC	.300	\$0.65	<b>\$17.21</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
46MnVS6	Ferrovandium	.140	\$1.31	<b>\$1.64</b>
	Ferrochromium HC	.150	\$0.33	
4715	Ferromolybdenum	.520	\$10.63	<b>\$16.08</b>
	Nickel	.925	\$4.25	
	Ferrochromium HC	.550	\$1.20	
4715M	Ferromolybdenum	.560	\$11.45	<b>\$16.92</b>
	Nickel	.930	\$4.27	
	Ferrochromium HC	.550	\$1.20	
47V15	Ferromolybdenum	.550	\$11.24	<b>\$17.20</b>
	Nickel	.930	\$4.27	
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	.600	\$1.31	
4815H	Ferromolybdenum	.250	\$5.11	<b>\$21.17</b>
	Nickel	3.450	\$15.84	
	Ferrochromium HC	.100	\$0.22	
4817	Ferromolybdenum	.250	\$5.11	<b>\$21.18</b>
	Nickel	3.500	\$16.07	
4817RH	Ferromolybdenum	.250	\$5.11	<b>\$21.18</b>
	Nickel	3.500	\$16.07	
50B34 1E1632	Ferrochromium HC	.400	\$0.87	<b>\$0.87</b>
50B34 Mod	Ferrochromium HC	.400	\$0.87	<b>\$0.87</b>
50B35	Ferrochromium HC	.400	\$0.87	<b>\$0.87</b>
50B35 1E1201	Ferrochromium HC	.480	\$1.05	<b>\$1.05</b>
5119	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
5119R	Ferrochromium HC	.900	\$1.96	<b>\$1.96</b>
5120	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
5120H	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
5120M	Ferromolybdenum	.020	\$0.41	<b>\$2.70</b>
	Ferrochromium HC	1.050	\$2.29	
5124	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
5125RH	Ferrochromium HC	1.100	\$2.40	<b>\$2.40</b>
5130	Ferrochromium HC	.950	\$2.07	<b>\$2.07</b>
5130-4	Ferrochromium HC	.950	\$2.07	<b>\$2.07</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
5130/5130H	Ferrochromium HC	.950	\$2.07	<b>\$2.07</b>
5130H Mod	Ferrochromium HC	.975	\$2.13	<b>\$2.13</b>
5140	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
5150	Ferrochromium HC	1.100	\$2.40	<b>\$2.40</b>
5150 525X	Ferrochromium HC	1.100	\$2.40	<b>\$2.40</b>
5160	Ferrochromium HC	.875	\$1.91	<b>\$1.91</b>
5160H	Ferrochromium HC	.875	\$1.91	<b>\$1.91</b>
5160H Mod	Ferrochromium HC	.950	\$2.07	<b>\$2.07</b>
51B60H	Ferrochromium HC	.800	\$1.74	<b>\$1.74</b>
51CrV4	Nickel Ferrovanadium Ferrochromium HC	.150 .130 1.050	\$0.69 \$1.22 \$2.29	<b>\$4.20</b>
51V30M	Ferrovanadium Ferrochromium HC	.105 1.100	\$0.98 \$2.40	<b>\$3.38</b>
52100	Ferrochromium HC	1.450	\$3.16	<b>\$3.16</b>
52CrMoV4	Ferromolybdenum Ferrovanadium Ferrochromium HC	.225 .130 1.050	\$4.60 \$1.22 \$2.29	<b>\$8.11</b>
58CrMoV4	Ferromolybdenum Ferrovanadium Ferrochromium HC	.175 .125 .970	\$3.58 \$1.17 \$2.11	<b>\$6.86</b>
6175 Mod	Ferrovanadium Ferrochromium HC	.175 1.125	\$1.64 \$2.45	<b>\$4.09</b>
6330	Ferromolybdenum Ferrovanadium Ferrochromium HC	.500 .250 1.350	\$10.22 \$2.35 \$2.94	<b>\$15.51</b>
7474-5/4130M	Ferromolybdenum Nickel Ferrochromium HC	.225 .200 1.000	\$4.60 \$0.92 \$2.18	<b>\$7.70</b>
8615	Ferromolybdenum Nickel Ferrochromium HC	.200 .550 .500	\$4.09 \$2.52 \$1.09	<b>\$7.70</b>
8616 Mod	Ferromolybdenum Nickel Ferrochromium HC	.200 .550 .500	\$4.09 \$2.52 \$1.09	<b>\$7.70</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8617	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8617/8620H	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8617H AQ	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8617H/8620	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8619 A534 BQ	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8619H BQ QL3	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 1E2743	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 A2	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 BQ	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 FG	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 MAT 1052	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 MS450 -B	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 Off-Heat	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 QL2	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 QL3	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620 QL4	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/20H QL2	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/22	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/22 QL2	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/8620H	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/8620H QL3	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/8622H	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/8622H QL2	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620/8622H QL3	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620BQ 1E4180	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620H	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	
8620H A534 BQ	Ferromolybdenum	.200	\$4.09	\$7.70
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620H B81	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8620H QL3	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8620H/8720H	Ferromolybdenum	.225	\$4.60	
	Nickel	.550	\$2.52	
	Ferrovandium	.005	\$0.05	
	Ferrochromium HC	.500	\$1.09	<b>\$8.26</b>
8620M	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8620M B81	Ferromolybdenum	.220	\$4.50	
	Nickel	.630	\$2.89	
	Ferrochromium HC	.550	\$1.20	<b>\$8.59</b>
8620RH	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.550	\$1.20	<b>\$7.81</b>
8622H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8622M	Ferromolybdenum	.270	\$5.52	
	Nickel	.600	\$2.75	
	Ferrovandium	.080	\$0.75	
	Ferrochromium HC	1.000	\$2.18	<b>\$11.20</b>
8622RH	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.550	\$1.20	<b>\$7.81</b>
8625	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8625H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8627H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8630	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
8630 CGL-6	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8630 CGL-6	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8630 QL3	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8630H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8637	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8637H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8637RC	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8640	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8640/8740	Ferromolybdenum	.225	\$4.60	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$8.21</b>
8640M	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8650	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8650 AQ	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8650H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
8660	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	<b>\$7.70</b>
86B20H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferchromium HC	.525	\$1.14	<b>\$7.75</b>
86B30	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
86B30	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
86B30H	Ferromolybdenum	.200	\$4.09	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$7.70</b>
86V53M KJ8X	Ferromolybdenum	.500	\$10.22	
	Nickel	.500	\$2.30	
	Ferrovandium	.150	\$1.41	
	Ferrochromium HC	1.775	\$3.87	<b>\$17.80</b>
8720	Ferromolybdenum	.250	\$5.11	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$8.72</b>
8735	Ferromolybdenum	.250	\$5.11	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$8.72</b>
8740	Ferromolybdenum	.250	\$5.11	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$8.72</b>
8822H	Ferromolybdenum	.350	\$7.15	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$10.76</b>
8822H B79	Ferromolybdenum	.350	\$7.15	
	Nickel	.600	\$2.75	
	Ferrochromium HC	.500	\$1.09	<b>\$10.99</b>
8822H B79-1	Ferromolybdenum	.350	\$7.15	
	Nickel	.600	\$2.75	
	Ferrochromium HC	.530	\$1.16	<b>\$11.06</b>
8822H BQ	Ferromolybdenum	.350	\$7.15	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$10.76</b>
8822H QL2	Ferromolybdenum	.350	\$7.15	
	Nickel	.550	\$2.52	
	Ferrochromium HC	.500	\$1.09	<b>\$10.76</b>
8822H QL3	Ferromolybdenum	.350	\$7.15	
	Nickel	.500	\$2.30	
	Ferrochromium HC	.500	\$1.09	<b>\$10.54</b>
8822RH	Ferromolybdenum	.350	\$7.15	
	Nickel	.500	\$2.30	
	Ferrochromium HC	.500	\$1.09	<b>\$10.54</b>
9254	Ferrochromium HC	.700	\$1.53	<b>\$1.53</b>
9310	Ferromolybdenum	.115	\$2.35	
	Nickel	3.250	\$14.92	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
9310	Ferrochromium HC	1.250	\$2.73	\$20.00
9310H	Ferromolybdenum	.115	\$2.35	
	Nickel	3.250	\$14.92	
	Ferrochromium HC	1.250	\$2.73	\$20.00
9313/9313H	Ferromolybdenum	.120	\$2.45	
	Nickel	3.250	\$14.92	
	Ferrovandium	.040	\$0.38	
	Ferrochromium HC	1.450	\$3.16	\$20.91
9315H	Ferromolybdenum	.115	\$2.35	
	Nickel	3.325	\$15.26	
	Ferrochromium LC	1.275	\$4.19	\$21.80
9350	Ferromolybdenum	.115	\$2.35	
	Nickel	3.250	\$14.92	
	Ferrovandium	.045	\$0.42	
	Ferrochromium HC	1.250	\$2.73	\$20.42
A105/LF2 Chem	Ferrovandium	.035	\$0.33	\$0.33
A350 LF6 Chem	Ferrovandium	.075	\$0.70	\$0.70
A350/LF2 Chem	Ferrovandium	.035	\$0.33	\$0.33
A529 GR50	Ferrovandium	.015	\$0.14	\$0.14
A529 GR55	Ferrovandium	.075	\$0.70	\$0.70
A572 58Y	Ferrovandium	.075	\$0.70	\$0.70
A572 GR50	Ferrovandium	.015	\$0.14	\$0.14
A572 Gr 42 T2	Ferrovandium	.015	\$0.14	\$0.14
A572 Gr 60	Ferrovandium	.085	\$0.80	\$0.80
A572 Gr42	Ferrovandium	.035	\$0.33	\$0.33
A572 Gr50 T2	Ferrovandium	.015	\$0.14	\$0.14
A572 Gr60 Chem	Ferrovandium	.075	\$0.70	\$0.70
A572Gr50 Chem	Ferrovandium	.075	\$0.70	\$0.70
A572M 58Y	Ferrovandium	.075	\$0.70	\$0.70
A572M Gr 60	Ferrovandium	.075	\$0.70	\$0.70
A588 Gr A	Nickel	.150	\$0.69	
	Ferrovandium	.060	\$0.56	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
A588 Gr A	Ferrochromium HC	.550	\$1.20	<b>\$2.45</b>
A588 Gr B	Nickel	.150	\$0.69	
	Ferrovandium	.060	\$0.56	
	Ferrochromium HC	.550	\$1.20	<b>\$2.45</b>
A588/709 50W	Nickel	.150	\$0.69	
	Ferrovandium	.060	\$0.56	
	Ferrochromium HC	.550	\$1.20	<b>\$2.45</b>
A615 GR60	Ferrovandium	.050	\$0.47	<b>\$0.47</b>
A615 GR60/A706	Ferrovandium	.050	\$0.47	<b>\$0.47</b>
A615 Gr 75	Ferrovandium	.115	\$1.08	<b>\$1.08</b>
A615 Gr 80	Ferrovandium	.050	\$0.47	<b>\$0.47</b>
A615 Gr80	Ferrovandium	.110	\$1.03	<b>\$1.03</b>
A690	Nickel	.450	\$2.07	
	Ferrovandium	.060	\$0.56	<b>\$2.63</b>
A694 F60	Ferromolybdenum	.035	\$0.72	
	Ferrovandium	.110	\$1.03	<b>\$1.75</b>
A694 F70	Ferrovandium	.065	\$0.61	<b>\$0.61</b>
A706 GR 60 Chem	Ferrovandium	.025	\$0.23	<b>\$0.23</b>
A706 Gr 80	Ferrovandium	.110	\$1.03	<b>\$1.03</b>
A707 L3	Ferrovandium	.065	\$0.61	<b>\$0.61</b>
A722 Chem	Ferrochromium HC	.700	\$1.53	<b>\$1.53</b>
A739 B22	Ferromolybdenum	1.050	\$21.46	
	Ferrochromium LC	2.375	\$7.81	<b>\$29.27</b>
A860 Chem	Ferrovandium	.065	\$0.61	<b>\$0.61</b>
AB/RQ3	Ferrochromium HC	.175	\$0.38	<b>\$0.38</b>
AB/RQ3S	Ferromolybdenum	.135	\$2.76	
	Nickel	.175	\$0.80	
	Ferrochromium HC	.650	\$1.42	<b>\$4.98</b>
ASTM A193 B16	Ferromolybdenum	.580	\$11.86	
	Ferrovandium	.300	\$2.81	
	Ferrochromium HC	.980	\$2.14	<b>\$16.81</b>
BV/QR4	Ferromolybdenum	.425	\$8.69	
	Nickel	.600	\$2.75	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
BV/QR4	Ferchromium HC	1.150	\$2.51	<b>\$13.95</b>
C1022M	Ferchromium HC	.150	\$0.33	<b>\$0.33</b>
C35 Mod	Ferromolybdenum	.050	\$1.02	<b>\$2.33</b>
	Ferchromium HC	.600	\$1.31	
C50 Mod	Nickel	.200	\$0.92	<b>\$1.51</b>
	Ferchromium HC	.270	\$0.59	
E4140	Ferromolybdenum	.200	\$4.09	<b>\$7.19</b>
	Nickel	.200	\$0.92	
	Ferchromium HC	1.000	\$2.18	
E4140M	Ferromolybdenum	.225	\$4.60	<b>\$9.10</b>
	Nickel	.420	\$1.93	
	Ferovanadium	.030	\$0.28	
	Ferchromium HC	1.050	\$2.29	
E4145H	Ferromolybdenum	.200	\$4.09	<b>\$6.16</b>
	Ferchromium HC	.950	\$2.07	
E4340	Ferromolybdenum	.250	\$5.11	<b>\$15.23</b>
	Nickel	1.825	\$8.38	
	Ferchromium HC	.800	\$1.74	
E4340H	Ferromolybdenum	.275	\$5.62	<b>\$15.99</b>
	Nickel	1.880	\$8.63	
	Ferchromium HC	.800	\$1.74	
E8615H BQ	Ferromolybdenum	.200	\$4.09	<b>\$7.36</b>
	Nickel	.475	\$2.18	
	Ferchromium HC	.500	\$1.09	
E8720M	Ferromolybdenum	.250	\$5.11	<b>\$8.72</b>
	Nickel	.550	\$2.52	
	Ferchromium HC	.500	\$1.09	
ETN-22	Ferromolybdenum	.150	\$3.07	<b>\$4.16</b>
	Ferchromium HC	.500	\$1.09	
ETN-22 BQ	Ferromolybdenum	.150	\$3.07	<b>\$4.16</b>
	Ferchromium HC	.500	\$1.09	
ETN-22 UC	Ferromolybdenum	.150	\$3.07	<b>\$4.16</b>
	Ferchromium HC	.500	\$1.09	
ETN-27	Ferromolybdenum	.150	\$3.07	<b>\$4.38</b>
	Ferchromium HC	.600	\$1.31	
EX15 QL3	Ferromolybdenum	.170	\$3.47	<b>\$4.56</b>
	Ferchromium HC	.500	\$1.09	
EX15/4120	Ferromolybdenum	.165	\$3.37	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
EX15/4120	Ferrochromium HC	.500	\$1.09	<b>\$4.46</b>
EX16	Ferromolybdenum	.170	\$3.47	<b>\$4.56</b>
	Ferrochromium HC	.500	\$1.09	
EX55H	Ferromolybdenum	.740	\$15.13	<b>\$25.01</b>
	Nickel	1.830	\$8.40	
	Ferrochromium HC	.680	\$1.48	
F11	Ferromolybdenum	.590	\$12.06	<b>\$16.50</b>
	Ferrochromium LC	1.350	\$4.44	
F11 A182	Ferromolybdenum	.590	\$12.06	<b>\$16.50</b>
	Ferrochromium LC	1.350	\$4.44	
F12	Ferromolybdenum	.550	\$11.24	<b>\$14.69</b>
	Ferrochromium LC	1.050	\$3.45	
F1554 Gr 55	Ferrovandium	.070	\$0.66	<b>\$0.66</b>
F22	Ferromolybdenum	1.000	\$20.44	<b>\$28.17</b>
	Ferrochromium LC	2.350	\$7.73	
F22 A182	Ferromolybdenum	1.000	\$20.44	<b>\$28.17</b>
	Ferrochromium LC	2.350	\$7.73	
F5	Ferromolybdenum	.550	\$11.24	<b>\$28.51</b>
	Ferrochromium LC	5.250	\$17.27	
F9	Ferromolybdenum	1.000	\$20.44	<b>\$50.05</b>
	Ferrochromium LC	9.000	\$29.61	
F91	Ferromolybdenum	.950	\$19.42	<b>\$50.39</b>
	Ferrovandium	.215	\$2.02	
	Ferrochromium LC	8.800	\$28.95	
Grade 100	Ferrovandium	.230	\$2.16	<b>\$2.16</b>
Grade 150	Ferrochromium HC	.850	\$1.85	<b>\$1.85</b>
Grade 160	Ferrochromium HC	.850	\$1.85	<b>\$1.85</b>
Grade 620	Ferrovandium	.085	\$0.80	<b>\$0.80</b>
Grade 90	Ferrovandium	.175	\$1.64	<b>\$1.64</b>
Grade 97	Ferrovandium	.175	\$1.64	<b>\$1.64</b>
Grade 97/100	Ferrovandium	.178	\$1.67	<b>\$1.67</b>
JDM A13C #14	Ferrovandium	.025	\$0.23	<b>\$0.23</b>
LC75	Ferromolybdenum	.030	\$0.61	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
LC75	Ferrovandium	.110	\$1.03	<b>\$1.64</b>
N57M10	Ferromchromium HC	.600	\$1.31	<b>\$1.31</b>
N57M6	Ferromolybdenum	.120	\$2.45	<b>\$3.87</b>
	Ferromchromium HC	.650	\$1.42	
No Grade	Ferrovandium	.070	\$0.66	<b>\$0.66</b>
PS16RH	Ferromolybdenum	.170	\$3.47	<b>\$4.56</b>
	Ferromchromium HC	.500	\$1.09	
PS17	Ferromolybdenum	.170	\$3.47	<b>\$4.56</b>
	Ferromchromium HC	.500	\$1.09	
PS17 RH	Ferromolybdenum	.170	\$3.47	<b>\$4.56</b>
	Ferromchromium HC	.500	\$1.09	
PS18	Ferromolybdenum	.170	\$3.47	<b>\$4.61</b>
	Ferromchromium HC	.525	\$1.14	
PS18RH	Ferromolybdenum	.170	\$3.47	<b>\$4.61</b>
	Ferromchromium HC	.525	\$1.14	
S45-MR #13	Ferrovandium	.075	\$0.70	<b>\$0.70</b>
SA105	Ferrovandium	.012	\$0.11	<b>\$0.11</b>
SA350 LF6	Ferrovandium	.045	\$0.42	<b>\$0.42</b>
SBMA740	Ferrovandium	.050	\$0.47	<b>\$0.47</b>
SCM420H	Ferromolybdenum	.200	\$4.09	<b>\$6.53</b>
	Ferromchromium HC	1.120	\$2.44	
SCR420	Ferromchromium HC	1.150	\$2.51	<b>\$2.51</b>
SW85	Ferrovandium	.135	\$1.27	<b>\$1.27</b>
T11 A213	Ferromolybdenum	.600	\$12.26	<b>\$16.70</b>
	Ferromchromium LC	1.350	\$4.44	
T12 A213	Ferromolybdenum	.550	\$11.24	<b>\$14.69</b>
	Ferromchromium LC	1.050	\$3.45	
T1A	Ferromolybdenum	.550	\$11.24	<b>\$11.24</b>
T2	Ferromolybdenum	.560	\$11.45	<b>\$12.87</b>
	Ferromchromium HC	.650	\$1.42	
T2 (7075-9)	Ferromolybdenum	.560	\$11.45	<b>\$12.87</b>
	Ferromchromium HC	.650	\$1.42	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
<b>T2 A213</b>	Ferromolybdenum	.560	\$11.45	<b>\$12.87</b>
	Ferrochromium HC	.650	\$1.42	
<b>T22 A213</b>	Ferromolybdenum	1.000	\$20.44	<b>\$28.17</b>
	Ferrochromium LC	2.350	\$7.73	
<b>T5 A213</b>	Ferromolybdenum	.550	\$11.24	<b>\$28.51</b>
	Ferrochromium LC	5.250	\$17.27	
<b>T9 A213</b>	Ferromolybdenum	1.000	\$20.44	<b>\$50.05</b>
	Ferrochromium LC	9.000	\$29.61	
<b>T91 A213</b>	Ferromolybdenum	.950	\$19.42	<b>\$50.39</b>
	Ferrovandium	.215	\$2.02	
	Ferrochromium LC	8.800	\$28.95	
<b>V1027 Mod #16</b>	Ferrovandium	.025	\$0.23	<b>\$0.23</b>
<b>ZF34C</b>	Ferromolybdenum	.050	\$1.02	<b>\$2.33</b>
	Ferrochromium HC	.600	\$1.31	