



September 11, 2020

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

As of September 10, 2020, the three-city average for No.1 Bundles was \$288.66 ton. Using our revised method, the October 2020 scrap surcharge for SBQ product is \$173.66/ton (\$8.68/cwt). This represents an increase from September 2020.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill  
Sales & Marketing Manager



September 11, 2020

## October 2020 Alloy Surcharge Announcement

Effective October 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 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
September 11 <sup>th</sup> Index Value	1.69	\$.92	\$9.28	\$6.89	\$10.13	\$.69
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
October 2020 Surcharge/lb.	\$1.34	\$.59	\$6.21	\$3.99	\$4.85	\$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 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	\$1.10	<b>\$1.10</b>
1033V	Ferrovandium	.125	\$0.61	<b>\$0.61</b>
1045 V FG	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
10V18	Ferrovandium	.060	\$0.29	<b>\$0.29</b>
10V40 QL2	Ferrovandium	.100	\$0.49	<b>\$0.49</b>
10V43 B156	Ferrovandium	.095	\$0.46	<b>\$0.46</b>
10V45	Ferrovandium	.100	\$0.49	<b>\$0.49</b>
10V45 QL2	Ferrovandium	.100	\$0.49	<b>\$0.49</b>
10V45 RES10172	Ferrovandium	.150	\$0.73	<b>\$0.73</b>
10V50	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
1141 V FG	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
1141 V FG QL2	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
1144 V FG	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
11V41	Ferrovandium	.090	\$0.44	<b>\$0.44</b>
11V41 QL2	Ferrovandium	.090	\$0.44	<b>\$0.44</b>
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.34 \$17.76	<b>\$18.10</b>
13%Cr/420 Mod	Ferrochromium LC	13.250	\$17.76	<b>\$17.76</b>
1518-7	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
1518M	Ferrovandium Ferrochromium HC	.020 .220	\$0.10 \$0.13	<b>\$0.23</b>
1522 MOD	Ferrovandium	.015	\$0.07	<b>\$0.07</b>
1522M	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
1537HC	Ferrochromium HC	.400	\$0.24	<b>\$0.24</b>
1538MV	Ferrovandium Ferrochromium HC	.100 .150	\$0.49 \$0.09	<b>\$0.58</b>
1590 UHC	Ferrochromium HC	.280	\$0.17	<b>\$0.17</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
15B28 Mod	Ferromolybdenum	.150	\$0.93	<b>\$0.93</b>
15B29 Mod	Ferromolybdenum	.150	\$0.93	<b>\$0.93</b>
15B35	Ferrochromium HC	.550	\$0.32	<b>\$0.32</b>
15V10M	Ferrovandium	.030	\$0.15	<b>\$0.15</b>
15V16	Ferrovandium	.085	\$0.41	<b>\$0.41</b>
15V16 LF6	Ferrovandium	.085	\$0.41	<b>\$0.41</b>
15V18	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
15V20M	Ferrovandium	.100	\$0.49	<b>\$0.49</b>
15V22 PT	Ferrovandium	.055	\$0.27	<b>\$0.27</b>
15V24	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
15V24 Mod	Ferrovandium	.150	\$0.73	<b>\$0.73</b>
15V24M	Ferrovandium	.135	\$0.65	<b>\$0.65</b>
15V27M	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
15V30	Ferrovandium	.135	\$0.65	<b>\$0.65</b>
15V30 Mod	Ferrovandium	.135	\$0.65	<b>\$0.65</b>
15V30M	Ferrovandium	.190	\$0.92	<b>\$0.92</b>
15V37M 1E1586	Ferrovandium	.085	\$0.41	<b>\$0.41</b>
15V38 C38 Mod	Ferrovandium Ferrochromium HC	.100 .150	\$0.49 \$0.09	<b>\$0.58</b>
15V38M	Ferrovandium	.090	\$0.44	<b>\$0.44</b>
15V44 C44 Mod	Ferrovandium Ferrochromium HC	.145 .250	\$0.70 \$0.15	<b>\$0.85</b>
15V45M	Ferrovandium	.125	\$0.61	<b>\$0.61</b>
15V45M 1E1106	Ferrovandium	.130	\$0.63	<b>\$0.63</b>
16MnCr5	Ferrochromium HC	1.050	\$0.62	<b>\$0.62</b>
16MnCrS5	Ferrochromium HC	1.050	\$0.62	<b>\$0.62</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
17MnV7	Ferrovandium	.120	\$0.58	<b>\$0.58</b>
18CrNiMo7-6	Ferromolybdenum	.300	\$1.86	
	Nickel	1.550	\$6.18	
	Ferrocromium HC	1.650	\$0.97	<b>\$9.01</b>
1E1371	Ferromolybdenum	.350	\$2.17	
	Ferrovandium	.095	\$0.46	
	Ferrocromium HC	1.800	\$1.06	<b>\$3.69</b>
1E1497	Ferrovandium	.100	\$0.49	
	Ferrocromium HC	.150	\$0.09	<b>\$0.58</b>
20MnCr5	Ferrocromium HC	1.200	\$0.71	<b>\$0.71</b>
20MnCrS5	Ferrocromium HC	1.150	\$0.68	<b>\$0.68</b>
25MoCr4	Ferromolybdenum	.440	\$2.73	
	Ferrocromium HC	.900	\$0.53	<b>\$3.26</b>
25MoCr4 Ver 50	Ferromolybdenum	.425	\$2.64	
	Ferrocromium HC	.870	\$0.51	<b>\$3.15</b>
25MoCrS4 Hay1	Ferromolybdenum	.425	\$2.64	
	Ferrocromium HC	.950	\$0.56	<b>\$3.20</b>
25MoCrS4 Hay2	Ferromolybdenum	.425	\$2.64	
	Ferrocromium HC	.950	\$0.56	<b>\$3.20</b>
30MnVS6	Ferrovandium	.115	\$0.56	<b>\$0.56</b>
30MnVS6-VD	Ferrovandium	.110	\$0.53	<b>\$0.53</b>
35MnVS4	Ferrovandium	.200	\$0.97	
	Ferrocromium HC	.150	\$0.09	<b>\$1.06</b>
38MnSiVS5	Ferrovandium	.110	\$0.53	<b>\$0.53</b>
38MnVS6	Ferrovandium	.110	\$0.53	<b>\$0.53</b>
4023	Ferromolybdenum	.250	\$1.55	<b>\$1.55</b>
4027	Ferromolybdenum	.260	\$1.61	<b>\$1.61</b>
40BV40 Mod	Ferromolybdenum	.355	\$2.20	
	Ferrovandium	.100	\$0.49	<b>\$2.69</b>
40BV40M 1E4146	Ferromolybdenum	.355	\$2.20	
	Ferrovandium	.100	\$0.49	<b>\$2.69</b>
4118	Ferromolybdenum	.115	\$0.71	
	Ferrocromium HC	.500	\$0.30	<b>\$1.01</b>
4118-8/BQ	Ferromolybdenum	.115	\$0.71	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4118-8/BQ	Ferchromium HC	.500	\$0.30	<b>\$1.01</b>
4118/4118-2	Ferromolybdenum	.115	\$0.71	<b>\$1.01</b>
	Ferchromium HC	.500	\$0.30	
4120	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4120 QL2	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4120 QL3	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4120H B81	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4120H QL2	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4120M	Ferromolybdenum	.175	\$1.09	<b>\$1.39</b>
	Ferchromium HC	.500	\$0.30	
4120M 1E1120	Ferromolybdenum	.165	\$1.02	<b>\$1.36</b>
	Ferchromium HC	.575	\$0.34	
4120RH QL4	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferchromium HC	.520	\$0.31	
4122M	Ferromolybdenum	.170	\$1.06	<b>\$1.36</b>
	Ferchromium HC	.500	\$0.30	
4122M 1E0778	Ferromolybdenum	.225	\$1.40	<b>\$1.89</b>
	Ferchromium HC	.825	\$0.49	
4122M 1E1054	Ferromolybdenum	.325	\$2.02	<b>\$2.57</b>
	Ferchromium HC	.925	\$0.55	
4122M B222-6(F)	Ferromolybdenum	.170	\$1.06	<b>\$1.33</b>
	Ferchromium HC	.450	\$0.27	
4124 M	Ferromolybdenum	.400	\$2.48	<b>\$3.90</b>
	Nickel	.205	\$0.82	
	Ferchromium HC	1.025	\$0.60	
4124M	Ferromolybdenum	.170	\$1.06	<b>\$1.44</b>
	Ferchromium HC	.650	\$0.38	
4124M B222	Ferromolybdenum	.170	\$1.06	<b>\$1.44</b>
	Ferchromium HC	.650	\$0.38	
4124M B222-5(F)	Ferromolybdenum	.170	\$1.06	<b>\$1.40</b>
	Ferchromium HC	.580	\$0.34	
4124M B222-5mod	Ferromolybdenum	.170	\$1.06	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4124M B222-5mod	Ferrocromium HC	.630	\$0.37	<b>\$1.43</b>
4124M B222-7(F)	Ferromolybdenum	.170	\$1.06	<b>\$1.40</b>
	Ferrocromium HC	.580	\$0.34	
4124M B222-8	Ferromolybdenum	.300	\$1.86	<b>\$2.27</b>
	Ferrocromium HC	.700	\$0.41	
4128	Ferromolybdenum	.350	\$2.17	<b>\$3.69</b>
	Ferrovandium	.095	\$0.46	
	Ferrocromium HC	1.800	\$1.06	
4128M	Ferromolybdenum	.390	\$2.42	<b>\$3.97</b>
	Ferrovandium	.100	\$0.49	
	Ferrocromium HC	1.800	\$1.06	
4129M	Ferromolybdenum	.300	\$1.86	<b>\$2.57</b>
	Ferrocromium HC	1.200	\$0.71	
4130	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 1E1058	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 1E2737	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 AQ	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 CF-003	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 CGL-2	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 ES-330	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 ES220	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 MBQ	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	
4130 Mod	Ferromolybdenum	.650	\$4.04	<b>\$4.63</b>
	Ferrocromium HC	1.000	\$0.59	
4130 TW051592	Ferromolybdenum	.220	\$1.37	<b>\$1.96</b>
	Ferrocromium HC	1.000	\$0.59	
4130-4 MS	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrocromium HC	.950	\$0.56	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130-5/4130	Ferromolybdenum	.200	\$1.24	<b>\$1.85</b>
	Ferrochromium HC	1.040	\$0.61	
4130-6/4130	Ferromolybdenum	.200	\$1.24	<b>\$1.85</b>
	Ferrochromium HC	1.040	\$0.61	
4130-9/4130M	Ferromolybdenum	.225	\$1.40	<b>\$2.79</b>
	Nickel	.200	\$0.80	
	Ferrochromium HC	1.000	\$0.59	
4130/4130H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130A	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130B AQ	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130B Mod	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130I	Ferromolybdenum	.700	\$4.35	<b>\$5.15</b>
	Ferrochromium HC	1.350	\$0.80	
4130M	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130M 1E2737	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130M TW032808	Ferromolybdenum	.220	\$1.37	<b>\$2.28</b>
	Ferrovandium	.060	\$0.29	
	Ferrochromium HC	1.050	\$0.62	
4130M TW061206	Ferromolybdenum	.275	\$1.71	<b>\$2.55</b>
	Ferrovandium	.040	\$0.19	
	Ferrochromium HC	1.100	\$0.65	
4130M7	Ferromolybdenum	.700	\$4.35	<b>\$5.15</b>
	Ferrochromium HC	1.350	\$0.80	
4130RH	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4130U	Ferromolybdenum	.225	\$1.40	<b>\$1.96</b>
	Ferrochromium HC	.950	\$0.56	
4132 M	Ferromolybdenum	.650	\$4.04	<b>\$4.78</b>
	Ferrochromium HC	1.250	\$0.74	
4132 MS362	Ferromolybdenum	.650	\$4.04	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4132 MS362	Ferrochromium HC	1.250	\$0.74	<b>\$4.78</b>
4132M	Ferromolybdenum	.425	\$2.64	
	Nickel	1.275	\$5.09	
	Ferrochromium HC	1.025	\$0.60	<b>\$8.33</b>
4135	Ferromolybdenum	.315	\$1.96	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.61</b>
4135 B73	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	1.000	\$0.59	<b>\$1.83</b>
4135H Mod	Ferromolybdenum	.315	\$1.96	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.61</b>
4135H QL2	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4137	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4137 M	Ferromolybdenum	.275	\$1.71	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.36</b>
4137 MS303	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.51</b>
4137 MS309	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.51</b>
4137 MS371	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.51</b>
4137 Mod	Ferromolybdenum	.325	\$2.02	
	Ferrochromium HC	1.125	\$0.66	<b>\$2.68</b>
4137H	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4137M	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.51</b>
4137M 341	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.050	\$0.62	<b>\$2.48</b>
4137M MS364	Ferromolybdenum	.300	\$1.86	
	Ferrochromium HC	1.100	\$0.65	<b>\$2.51</b>
4137RS	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4140	Ferromolybdenum	.200	\$1.24	
	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4140 1E1636	Ferromolybdenum	.200	\$1.24	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140 1E1636	Ferrochromium HC	.950	\$0.56	<b>\$1.80</b>
4140 1E509	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 A1	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 AQ	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 BQ	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 CF-001	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 ES-324	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 ES-325	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 LS	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 M	Ferromolybdenum Nickel Ferrochromium HC	.200 .350 .550	\$1.24 \$1.40 \$0.32	<b>\$2.96</b>
4140 MS450	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 Off Chem	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 QL2	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140 QL3	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140/4140H	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140/4142	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140/4142H	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140/42	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
4140A	Ferromolybdenum	.200	\$1.24	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140A	Ferchromium HC	.950	\$0.56	<b>\$1.80</b>
4140B	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140H B74-1	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140H QL2	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140H QL3	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140H/42 QL2	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140M	Ferromolybdenum	.250	\$1.55	<b>\$2.20</b>
	Ferchromium HC	1.100	\$0.65	
4140M B74-R	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4140M S315	Ferromolybdenum	.200	\$1.24	<b>\$2.70</b>
	Nickel	.200	\$0.80	
	Ferovanadium	.020	\$0.10	
	Ferchromium HC	.950	\$0.56	
4140RS	Ferromolybdenum	.200	\$1.24	<b>\$1.86</b>
	Ferchromium HC	1.050	\$0.62	
4141-5/4140	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4141H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4142	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4142/4145H Mod	Ferromolybdenum	.300	\$1.86	<b>\$2.51</b>
	Ferchromium HC	1.100	\$0.65	
4145	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4145 1E0598	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	
4145H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferchromium HC	.950	\$0.56	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4145H Mod	Ferromolybdenum	.300	\$1.86	<b>\$2.51</b>
	Ferrochromium HC	1.100	\$0.65	
4145H QL2	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4145M	Ferromolybdenum	.250	\$1.55	<b>\$2.20</b>
	Ferrochromium HC	1.100	\$0.65	
4145M 346	Ferromolybdenum	.310	\$1.93	<b>\$2.58</b>
	Ferrochromium HC	1.100	\$0.65	
4150	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4150H	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4150H 1E9999	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4150H AQ	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
4150RS	Ferromolybdenum	.200	\$1.24	<b>\$1.74</b>
	Ferrochromium HC	.850	\$0.50	
4161 1E0490	Ferromolybdenum	.300	\$1.86	<b>\$2.33</b>
	Ferrochromium HC	.800	\$0.47	
4161/4161H	Ferromolybdenum	.300	\$1.86	<b>\$2.33</b>
	Ferrochromium HC	.800	\$0.47	
4162	Ferromolybdenum	.200	\$1.24	<b>\$2.64</b>
	Nickel	.200	\$0.80	
	Ferrochromium HC	1.025	\$0.60	
4163M	Ferromolybdenum	.150	\$0.93	<b>\$1.64</b>
	Ferrovandium	.050	\$0.24	
	Ferrochromium HC	.800	\$0.47	
4164M	Ferromolybdenum	.080	\$0.50	<b>\$1.38</b>
	Ferrovandium	.065	\$0.32	
	Ferrochromium HC	.950	\$0.56	
41B17 1E0951	Ferromolybdenum	.150	\$0.93	<b>\$1.24</b>
	Ferrochromium HC	.525	\$0.31	
41B30M	Ferromolybdenum	.200	\$1.24	<b>\$1.80</b>
	Ferrochromium HC	.950	\$0.56	
41B30M 1E0997	Ferromolybdenum	.170	\$1.06	<b>\$1.37</b>
	Ferrochromium HC	.525	\$0.31	
41B30M 1E1671	Ferromolybdenum	.170	\$1.06	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
41B30M 1E1671	Ferrocromium HC	.525	\$0.31	<b>\$1.37</b>
41B30M QL3	Ferromolybdenum	.160	\$0.99	<b>\$1.31</b>
	Ferrocromium HC	.550	\$0.32	
41B31M	Ferromolybdenum	.375	\$2.33	<b>\$3.27</b>
	Ferrocromium HC	1.600	\$0.94	
41B32M	Ferromolybdenum	.425	\$2.64	<b>\$8.33</b>
	Nickel	1.275	\$5.09	
	Ferrocromium HC	1.025	\$0.60	
41B33M 1E4415	Ferromolybdenum	.165	\$1.02	<b>\$1.33</b>
	Ferrocromium HC	.525	\$0.31	
41B35M 1E1013	Ferromolybdenum	.075	\$0.47	<b>\$0.77</b>
	Ferrocromium HC	.500	\$0.30	
41V37 Mod	Ferromolybdenum	.325	\$2.02	<b>\$2.83</b>
	Ferrovandium	.040	\$0.19	
	Ferrocromium HC	1.050	\$0.62	
42CrMo4	Ferromolybdenum	.200	\$1.24	<b>\$1.89</b>
	Ferrocromium HC	1.100	\$0.65	
42CrMo4 1E2765	Ferromolybdenum	.200	\$1.24	<b>\$1.89</b>
	Ferrocromium HC	1.100	\$0.65	
42CrMo4 Ver10	Ferromolybdenum	.175	\$1.09	<b>\$1.74</b>
	Ferrocromium HC	1.100	\$0.65	
42CrMoS4	Ferromolybdenum	.200	\$1.24	<b>\$1.86</b>
	Ferrocromium HC	1.050	\$0.62	
4317M2	Ferromolybdenum	.725	\$4.50	<b>\$11.69</b>
	Nickel	1.725	\$6.88	
	Ferrocromium HC	.525	\$0.31	
4320	Ferromolybdenum	.250	\$1.55	<b>\$9.13</b>
	Nickel	1.825	\$7.28	
	Ferrocromium HC	.500	\$0.30	
4320 QL3	Ferromolybdenum	.250	\$1.55	<b>\$9.13</b>
	Nickel	1.825	\$7.28	
	Ferrocromium HC	.500	\$0.30	
4320H	Ferromolybdenum	.250	\$1.55	<b>\$9.13</b>
	Nickel	1.825	\$7.28	
	Ferrocromium HC	.500	\$0.30	
4320H B46	Ferromolybdenum	.250	\$1.55	<b>\$9.13</b>
	Nickel	1.825	\$7.28	
	Ferrocromium HC	.500	\$0.30	
4320H BQ	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4320H BQ	Ferchromium HC	.500	\$0.30	<b>\$9.13</b>
4320H QL3	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.500	\$0.30	<b>\$9.13</b>
4320M	Ferromolybdenum	.250	\$1.55	
	Nickel	1.025	\$4.09	
	Ferchromium HC	1.025	\$0.60	<b>\$6.24</b>
4320RH	Ferromolybdenum	.250	\$1.55	
	Nickel	1.830	\$7.30	
	Ferchromium HC	.500	\$0.30	<b>\$9.15</b>
4330V	Ferromolybdenum	.430	\$2.67	
	Nickel	1.825	\$7.28	
	Ferovanadium	.075	\$0.36	
	Ferchromium HC	.870	\$0.51	<b>\$10.82</b>
4340	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4340 1E0830	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4340 AQ	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4340 QL2	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4340 QL3	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4340H	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4350H	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
4352 AQ	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.800	\$0.47	<b>\$9.30</b>
43B20	Ferromolybdenum	.250	\$1.55	
	Nickel	1.825	\$7.28	
	Ferchromium HC	.500	\$0.30	<b>\$9.13</b>
43V30 Mod	Ferromolybdenum	.530	\$3.29	
	Nickel	2.500	\$9.98	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
43V30 Mod	Ferovanadium	.090	\$0.44	<b>\$14.27</b>
	Ferchromium HC	.950	\$0.56	
44W	Ferovanadium	.025	\$0.12	<b>\$0.12</b>
4620 QL3	Ferromolybdenum	.250	\$1.55	<b>\$8.83</b>
	Nickel	1.825	\$7.28	
4623	Ferromolybdenum	.180	\$1.12	<b>\$8.67</b>
	Nickel	1.820	\$7.26	
	Ferovanadium	.060	\$0.29	
4625 AMS 6418	Ferromolybdenum	.400	\$2.48	<b>\$9.94</b>
	Nickel	1.825	\$7.28	
	Ferchromium HC	.300	\$0.18	
4625 IR458	Ferromolybdenum	.400	\$2.48	<b>\$9.94</b>
	Nickel	1.825	\$7.28	
	Ferchromium HC	.300	\$0.18	
4715	Ferromolybdenum	.520	\$3.23	<b>\$6.94</b>
	Nickel	.850	\$3.39	
	Ferchromium HC	.550	\$0.32	
4715M	Ferromolybdenum	.560	\$3.48	<b>\$7.51</b>
	Nickel	.930	\$3.71	
	Ferchromium HC	.550	\$0.32	
47V15	Ferromolybdenum	.550	\$3.42	<b>\$7.55</b>
	Nickel	.900	\$3.59	
	Ferovanadium	.040	\$0.19	
	Ferchromium HC	.600	\$0.35	
4815H	Ferromolybdenum	.250	\$1.55	<b>\$15.32</b>
	Nickel	3.450	\$13.77	
4817	Ferromolybdenum	.250	\$1.55	<b>\$15.52</b>
	Nickel	3.500	\$13.97	
4817RH	Ferromolybdenum	.250	\$1.55	<b>\$15.52</b>
	Nickel	3.500	\$13.97	
50B35 1E1201	Ferchromium HC	.480	\$0.28	<b>\$0.28</b>
5119	Ferchromium HC	.800	\$0.47	<b>\$0.47</b>
5119R	Ferchromium HC	.900	\$0.53	<b>\$0.53</b>
5120	Ferchromium HC	.800	\$0.47	<b>\$0.47</b>
5120H	Ferchromium HC	.800	\$0.47	<b>\$0.47</b>
5120M	Ferchromium HC	1.050	\$0.62	<b>\$0.62</b>



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
5124	Ferrochromium HC	.800	\$0.47	<b>\$0.47</b>
5125RH	Ferrochromium HC	1.100	\$0.65	<b>\$0.65</b>
5130	Ferrochromium HC	.950	\$0.56	<b>\$0.56</b>
5130-4	Ferrochromium HC	.950	\$0.56	<b>\$0.56</b>
5130/5130H	Ferrochromium HC	.950	\$0.56	<b>\$0.56</b>
5130H Mod	Ferrochromium HC	.975	\$0.58	<b>\$0.58</b>
5140	Ferrochromium HC	.800	\$0.47	<b>\$0.47</b>
5160	Ferrochromium HC	.875	\$0.52	<b>\$0.52</b>
5160H	Ferrochromium HC	.875	\$0.52	<b>\$0.52</b>
5160H Mod	Ferrochromium HC	.950	\$0.56	<b>\$0.56</b>
51B60H	Ferrochromium HC	.800	\$0.47	<b>\$0.47</b>
51CrV4	Ferrovandium Ferrochromium HC	.130 1.050	\$0.63 \$0.62	<b>\$1.25</b>
51V30M	Ferrovandium Ferrochromium HC	.105 1.100	\$0.51 \$0.65	<b>\$1.16</b>
52100	Ferrochromium HC	1.450	\$0.86	<b>\$0.86</b>
52CrMoV4	Ferromolybdenum Ferrovandium Ferrochromium HC	.225 .130 1.050	\$1.40 \$0.63 \$0.62	<b>\$2.65</b>
58CrMoV4	Ferromolybdenum Ferrovandium Ferrochromium HC	.175 .125 .970	\$1.09 \$0.61 \$0.57	<b>\$2.27</b>
6175 Mod	Ferrovandium Ferrochromium HC	.175 1.125	\$0.85 \$0.66	<b>\$1.51</b>
6330	Ferromolybdenum Ferrovandium Ferrochromium HC	.500 .250 1.350	\$3.11 \$1.21 \$0.80	<b>\$5.12</b>
7474-5/4130M	Ferromolybdenum Nickel Ferrochromium HC	.225 .200 1.000	\$1.40 \$0.80 \$0.59	<b>\$2.79</b>
8616 Mod	Ferromolybdenum Nickel	.200 .200	\$1.24 \$0.80	<b>\$2.04</b>
8617	Ferromolybdenum Nickel	.200 .550	\$1.24 \$2.19	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8617	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8617/8620H	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8617H AQ	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8617H/8620	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8619 A534 BQ	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8619H BQ QL3	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 1E2743	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 A2	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 BQ	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 FG	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 MAT 1052	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 MS450 -B	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 Off-Heat	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620 QL2	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 QL2	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620 QL3	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620 QL4	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/20H QL2	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/22	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/22 QL2	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/8620H	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/8620H QL3	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/8622H	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/8622H QL2	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620/8622H QL3	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620BQ 1E4180	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620H	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620H A534 BQ	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	
	Ferrocromium HC	.500	\$0.30	<b>\$3.73</b>
8620H B81	Ferromolybdenum	.200	\$1.24	
	Nickel	.550	\$2.19	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620H B81	Ferchromium HC	.500	\$0.30	<b>\$3.73</b>
8620H QL3	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8620H/8720H	Ferromolybdenum	.225	\$1.40	<b>\$3.91</b>
	Nickel	.550	\$2.19	
	Ferovanadium	.005	\$0.02	
	Ferchromium HC	.500	\$0.30	
8620M	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8620M B81	Ferromolybdenum	.220	\$1.37	<b>\$4.20</b>
	Nickel	.630	\$2.51	
	Ferchromium HC	.550	\$0.32	
8620RH	Ferromolybdenum	.200	\$1.24	<b>\$3.75</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.550	\$0.32	
8622H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8622M	Ferromolybdenum	.250	\$1.55	<b>\$4.72</b>
	Nickel	.600	\$2.39	
	Ferovanadium	.040	\$0.19	
	Ferchromium HC	1.000	\$0.59	
8622RH	Ferromolybdenum	.200	\$1.24	<b>\$3.75</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.550	\$0.32	
8625	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8625H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8627H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8630	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8630 CGL-6	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8630 QL3	Ferromolybdenum	.200	\$1.24	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8630 QL3	Nickel	.550	\$2.19	<b>\$3.73</b>
	Ferchromium HC	.500	\$0.30	
8630H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8637	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8637H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8637RC	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8640	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8640/8740	Ferromolybdenum	.225	\$1.40	<b>\$3.89</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8650	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8650 AQ	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
86B20H	Ferromolybdenum	.200	\$1.24	<b>\$3.74</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.525	\$0.31	
86B30H	Ferromolybdenum	.200	\$1.24	<b>\$3.73</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
86V53M KJ8X	Ferromolybdenum	.500	\$3.11	<b>\$6.89</b>
	Nickel	.500	\$2.00	
	Ferovanadium	.150	\$0.73	
	Ferchromium HC	1.775	\$1.05	
8720	Ferromolybdenum	.250	\$1.55	<b>\$4.04</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8740	Ferromolybdenum	.250	\$1.55	<b>\$4.04</b>
	Nickel	.550	\$2.19	
	Ferchromium HC	.500	\$0.30	
8822H	Ferromolybdenum	.350	\$2.17	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8822H	Nickel	.500	\$2.00	<b>\$4.47</b>
	Ferrochromium HC	.500	\$0.30	
8822H B79	Ferromolybdenum	.350	\$2.17	<b>\$4.47</b>
	Nickel	.500	\$2.00	
	Ferrochromium HC	.500	\$0.30	
8822H B79-1	Ferromolybdenum	.350	\$2.17	<b>\$4.48</b>
	Nickel	.500	\$2.00	
	Ferrochromium HC	.530	\$0.31	
8822H BQ	Ferromolybdenum	.350	\$2.17	<b>\$4.66</b>
	Nickel	.550	\$2.19	
	Ferrochromium HC	.500	\$0.30	
8822H QL2	Ferromolybdenum	.350	\$2.17	<b>\$4.66</b>
	Nickel	.550	\$2.19	
	Ferrochromium HC	.500	\$0.30	
8822H QL3	Ferromolybdenum	.350	\$2.17	<b>\$4.47</b>
	Nickel	.500	\$2.00	
	Ferrochromium HC	.500	\$0.30	
8822RH	Ferromolybdenum	.350	\$2.17	<b>\$4.47</b>
	Nickel	.500	\$2.00	
	Ferrochromium HC	.500	\$0.30	
9254	Ferrochromium HC	.700	\$0.41	<b>\$0.41</b>
9310	Ferromolybdenum	.115	\$0.71	<b>\$14.39</b>
	Nickel	3.250	\$12.97	
	Ferrochromium HC	1.200	\$0.71	
9313/9313H	Ferromolybdenum	.120	\$0.75	<b>\$14.77</b>
	Nickel	3.250	\$12.97	
	Ferrovandium	.040	\$0.19	
	Ferrochromium HC	1.450	\$0.86	
9315H	Ferromolybdenum	.115	\$0.71	<b>\$15.69</b>
	Nickel	3.325	\$13.27	
	Ferrochromium LC	1.275	\$1.71	
9350	Ferromolybdenum	.115	\$0.71	<b>\$14.64</b>
	Nickel	3.250	\$12.97	
	Ferrovandium	.045	\$0.22	
	Ferrochromium HC	1.250	\$0.74	
A350 LF6 Chem	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
A572 58Y	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
A572 GR50	Ferrovandium	.015	\$0.07	<b>\$0.07</b>
A572 Gr 42 T2	Ferrovandium	.015	\$0.07	<b>\$0.07</b>

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
A572 Gr42	Ferrovandium	.015	\$0.07	<b>\$0.07</b>
A572 Gr50 T2	Ferrovandium	.015	\$0.07	<b>\$0.07</b>
A572 Gr60 Chem	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
A572Gr50 Chem	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
A572M 58Y	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
A572M Gr 60	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
A588 Gr A	Ferrovandium Ferrochromium HC	.060 .550	\$0.29 \$0.32	<b>\$0.61</b>
A588 Gr B	Ferrovandium Ferrochromium HC	.060 .550	\$0.29 \$0.32	<b>\$0.61</b>
A588/709 50W	Ferrovandium Ferrochromium HC	.060 .550	\$0.29 \$0.32	<b>\$0.61</b>
A615 Gr 75	Ferrovandium	.115	\$0.56	<b>\$0.56</b>
A615 Gr 80	Ferrovandium	.050	\$0.24	<b>\$0.24</b>
A615 Gr80	Ferrovandium	.110	\$0.53	<b>\$0.53</b>
A706 Gr 80	Ferrovandium	.110	\$0.53	<b>\$0.53</b>
A707 L3	Ferrovandium	.065	\$0.32	<b>\$0.32</b>
A739 B22	Ferromolybdenum Ferrochromium LC	1.000 2.250	\$6.21 \$3.02	<b>\$9.23</b>
ASTM A193 B16	Ferromolybdenum Ferrovanadium Ferrochromium HC	.580 .300 .980	\$3.60 \$1.46 \$0.58	<b>\$5.64</b>
E4140	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
E4140M	Ferromolybdenum Nickel Ferrovanadium Ferrochromium HC	.225 .420 .030 1.050	\$1.40 \$1.68 \$0.15 \$0.62	<b>\$3.85</b>
E4145H	Ferromolybdenum Ferrochromium HC	.200 .950	\$1.24 \$0.56	<b>\$1.80</b>
E4340	Ferromolybdenum Nickel Ferrochromium HC	.250 1.825 .800	\$1.55 \$7.28 \$0.47	<b>\$9.30</b>
E4340H	Ferromolybdenum	.275	\$1.71	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
E4340H	Nickel	1.880	\$7.50	<b>\$9.68</b>
	Ferchromium HC	.800	\$0.47	
ETN-22	Ferromolybdenum	.150	\$0.93	<b>\$1.23</b>
	Ferchromium HC	.500	\$0.30	
ETN-22 UC	Ferromolybdenum	.150	\$0.93	<b>\$1.23</b>
	Ferchromium HC	.500	\$0.30	
ETN-27	Ferromolybdenum	.150	\$0.93	<b>\$1.25</b>
	Ferchromium HC	.550	\$0.32	
EX15 QL3	Ferromolybdenum	.170	\$1.06	<b>\$1.36</b>
	Ferchromium HC	.500	\$0.30	
EX15/4120	Ferromolybdenum	.165	\$1.02	<b>\$1.32</b>
	Ferchromium HC	.500	\$0.30	
EX16	Ferromolybdenum	.170	\$1.06	<b>\$1.36</b>
	Ferchromium HC	.500	\$0.30	
EX55H	Ferromolybdenum	.740	\$4.60	<b>\$12.30</b>
	Nickel	1.830	\$7.30	
	Ferchromium HC	.680	\$0.40	
F11	Ferromolybdenum	.550	\$3.42	<b>\$5.10</b>
	Ferchromium LC	1.250	\$1.68	
F11 A182	Ferromolybdenum	.550	\$3.42	<b>\$5.10</b>
	Ferchromium LC	1.250	\$1.68	
F12	Ferromolybdenum	.550	\$3.42	<b>\$4.80</b>
	Ferchromium LC	1.030	\$1.38	
F1554 Gr 55	Ferovanadium	.070	\$0.34	<b>\$0.34</b>
F22	Ferromolybdenum	1.000	\$6.21	<b>\$9.23</b>
	Ferchromium LC	2.250	\$3.02	
F22 A182	Ferromolybdenum	1.000	\$6.21	<b>\$9.23</b>
	Ferchromium LC	2.250	\$3.02	
F5	Ferromolybdenum	.550	\$3.42	<b>\$10.12</b>
	Ferchromium LC	5.000	\$6.70	
F9	Ferromolybdenum	1.000	\$6.21	<b>\$18.27</b>
	Ferchromium LC	9.000	\$12.06	
F91	Ferromolybdenum	.950	\$5.90	<b>\$18.73</b>
	Ferovanadium	.215	\$1.04	
	Ferchromium LC	8.800	\$11.79	
Grade 150	Ferchromium HC	.850	\$0.50	<b>\$0.50</b>

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
Grade 620	Ferrovandium	.085	\$0.41	<b>\$0.41</b>
Grade 97	Ferrovandium	.175	\$0.85	<b>\$0.85</b>
Grade 97/100	Ferrovandium	.178	\$0.86	<b>\$0.86</b>
LC75	Ferrovandium	.100	\$0.49	<b>\$0.49</b>
PS16RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$1.06 \$0.30	<b>\$1.36</b>
PS17	Ferromolybdenum Ferrochromium HC	.170 .500	\$1.06 \$0.30	<b>\$1.36</b>
PS17 RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$1.06 \$0.30	<b>\$1.36</b>
PS18	Ferromolybdenum Ferrochromium HC	.170 .525	\$1.06 \$0.31	<b>\$1.37</b>
PS18RH	Ferromolybdenum Ferrochromium HC	.170 .525	\$1.06 \$0.31	<b>\$1.37</b>
S45-MR #13	Ferrovandium	.075	\$0.36	<b>\$0.36</b>
SBMA740	Ferrovandium	.070	\$0.34	<b>\$0.34</b>
SCM420H	Ferromolybdenum Ferrochromium HC	.200 1.120	\$1.24 \$0.66	<b>\$1.90</b>
SCR420	Ferrochromium HC	1.050	\$0.62	<b>\$0.62</b>
SW85	Ferrovandium	.135	\$0.65	<b>\$0.65</b>
T11 A213	Ferromolybdenum Ferrochromium LC	.550 1.250	\$3.42 \$1.68	<b>\$5.10</b>
T12 A213	Ferromolybdenum Ferrochromium LC	.550 1.030	\$3.42 \$1.38	<b>\$4.80</b>
T1A	Ferromolybdenum	.550	\$3.42	<b>\$3.42</b>
T2	Ferromolybdenum Ferrochromium HC	.560 .650	\$3.48 \$0.38	<b>\$3.86</b>
T2 (7075-9)	Ferromolybdenum Ferrochromium HC	.560 .650	\$3.48 \$0.38	<b>\$3.86</b>
T2 A213	Ferromolybdenum Ferrochromium HC	.560 .650	\$3.48 \$0.38	<b>\$3.86</b>
T22 A213	Ferromolybdenum	1.000	\$6.21	





Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
T22 A213	Ferrochromium LC	2.250	\$3.02	<b>\$9.23</b>
T5 A213	Ferromolybdenum	.545	\$3.38	<b>\$10.08</b>
	Ferrochromium LC	5.000	\$6.70	
T9 A213	Ferromolybdenum	1.000	\$6.21	<b>\$18.27</b>
	Ferrochromium LC	9.000	\$12.06	
T91 A213	Ferromolybdenum	.950	\$5.90	<b>\$18.73</b>
	Ferrovandium	.215	\$1.04	
	Ferrochromium LC	8.800	\$11.79	