



October 11, 2024

## November 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 October 11th, 2024, the three-city average for No.1 Bundles was \$395.00 ton. Using our revised method, the November 2024 scrap surcharge for SBQ product is \$280.00/ton (\$14.00/cwt). This represents an increase from October 2024.

We appreciate your business and continued support.

Sincerely,

Sarah Jordan  
Sales & Marketing Manager



October 11, 2024

## November 2024 Alloy Surcharge Announcement

Effective October 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 |
|-----------------------------|-----------------|----------------|------------------|--------|----------------|-------------------|
| October 11th Index Value    | \$2.50          | \$1.50         | \$23.75          | \$7.95 | \$13.35        | \$.90             |
| Base Value                  | \$0.75          | \$0.50         | \$4.00           | \$3.50 | \$6.00         | \$0.40            |
| Yield Factor                | 70%             | 70%            | 85%              | 85%    | 85%            | 85%               |
| November 2024 Surcharge/lb. | \$2.50          | \$1.43         | \$23.24          | \$5.24 | \$8.65         | \$0.27cwt         |

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          | \$1.44           | <b>\$1.44</b> |
| 1033V           | Ferrovandium                     | .125          | \$1.08           | <b>\$1.08</b> |
| 1045 R6 V QL2   | Ferrovandium                     | .040          | \$0.35           | <b>\$0.35</b> |
| 1045 V          | Ferrovandium                     | .070          | \$0.61           | <b>\$0.61</b> |
| 1045 V FG       | Ferrovandium                     | .030          | \$0.26           | <b>\$0.26</b> |
| 1045 V FG QL2   | Ferrovandium                     | .040          | \$0.35           | <b>\$0.35</b> |
| 1080 400C       | Ferrovandium HC                  | .520          | \$0.74           | <b>\$0.74</b> |
| 1080 425C       | Ferrovandium HC                  | .550          | \$0.79           | <b>\$0.79</b> |
| 1080 525A       | Ferrovandium HC                  | .950          | \$1.36           | <b>\$1.36</b> |
| 1080 525C       | Ferrovandium HC                  | .950          | \$1.36           | <b>\$1.36</b> |
| 1080 525D       | Ferrovandium HC                  | .950          | \$1.36           | <b>\$1.36</b> |
| 1080 525T       | Ferrovandium HC                  | 1.100         | \$1.57           | <b>\$1.57</b> |
| 1095            | Ferrovandium HC                  | .350          | \$0.50           | <b>\$0.50</b> |
| 1095 065F       | Ferrovandium HC                  | .350          | \$0.50           | <b>\$0.50</b> |
| 1095 200A       | Ferrovandium HC                  | .350          | \$0.50           | <b>\$0.50</b> |
| 1095 260A       | Ferrovandium HC                  | .350          | \$0.50           | <b>\$0.50</b> |
| 10V18           | Ferrovandium                     | .060          | \$0.52           | <b>\$0.52</b> |
| 10V40 QL2       | Ferrovandium                     | .100          | \$0.87           | <b>\$0.87</b> |
| 10V43 B156      | Ferrovandium<br>Ferrochromium HC | .095<br>.145  | \$0.82<br>\$0.21 | <b>\$1.03</b> |
| 10V45           | Ferrovandium                     | .100          | \$0.87           | <b>\$0.87</b> |
| 10V45 JD AO QL2 | Ferrovandium                     | .150          | \$1.30           | <b>\$1.30</b> |
| 10V45 QL2       | Ferrovandium                     | .100          | \$0.87           | <b>\$0.87</b> |
| 10V45 RES10172  | Ferrovandium                     | .150          | \$1.30           | <b>\$1.30</b> |
| 10V50           | Ferrovandium<br>Ferrochromium HC | .035<br>.150  | \$0.30<br>\$0.21 | <b>\$0.51</b> |

| Grade         | Alloy                            | Nominal Value  | Surcharge CWT     | Total CWT      |
|---------------|----------------------------------|----------------|-------------------|----------------|
| 10V86M        | Ferrovandium                     | .250           | \$2.16            | <b>\$2.16</b>  |
| 1137 V FG     | Ferrovandium                     | .035           | \$0.30            | <b>\$0.30</b>  |
| 1141 QL2 V FG | Ferrovandium                     | .030           | \$0.26            | <b>\$0.26</b>  |
| 1141 V FG     | Ferrovandium                     | .030           | \$0.26            | <b>\$0.26</b>  |
| 1141 V FG QL2 | Ferrovandium                     | .030           | \$0.26            | <b>\$0.26</b>  |
| 1141 V FG QL3 | Ferrovandium                     | .030           | \$0.26            | <b>\$0.26</b>  |
| 1144 V FG     | Ferrovandium                     | .030           | \$0.26            | <b>\$0.26</b>  |
| 1144V FG      | Ferrovandium                     | .060           | \$0.52            | <b>\$0.52</b>  |
| 11V41         | Ferrovandium                     | .090           | \$0.78            | <b>\$0.78</b>  |
| 11V41 QL2     | Ferrovandium                     | .090           | \$0.78            | <b>\$0.78</b>  |
| 13% Chrome    | Ferrovandium<br>Ferrochromium LC | .070<br>13.250 | \$0.61<br>\$33.13 | <b>\$33.74</b> |
| 13%Cr/420 Mod | Ferrovandium<br>Ferrochromium LC | .070<br>13.250 | \$0.61<br>\$33.13 | <b>\$33.74</b> |
| 1328M R3      | Ferrochromium HC                 | .170           | \$0.24            | <b>\$0.24</b>  |
| 1517V1        | Ferrovandium                     | .012           | \$0.10            | <b>\$0.10</b>  |
| 1517V2        | Ferrovandium                     | .015           | \$0.13            | <b>\$0.13</b>  |
| 1518-7        | Ferrovandium                     | .075           | \$0.65            | <b>\$0.65</b>  |
| 1518M         | Ferrovandium<br>Ferrochromium HC | .020<br>.220   | \$0.17<br>\$0.31  | <b>\$0.48</b>  |
| 1520BV        | Ferromolybdenum<br>Ferrovandium  | .040<br>.110   | \$0.93<br>\$0.95  | <b>\$1.88</b>  |
| 1522 MOD      | Ferrovandium                     | .075           | \$0.65            | <b>\$0.65</b>  |
| 1522M         | Ferrovandium                     | .075           | \$0.65            | <b>\$0.65</b>  |
| 1523          | Ferrovandium                     | .080           | \$0.69            | <b>\$0.69</b>  |
| 1524          | Ferrochromium HC                 | .120           | \$0.17            | <b>\$0.17</b>  |
| 1524M E0769   | Ferrochromium LC                 | .120           | \$0.30            | <b>\$0.30</b>  |
| 1536M QL3     | Ferromolybdenum                  | .050           | \$1.16            |                |



| Grade        | Alloy   | Nominal Value        | Surcharge CWT              | Total CWT     |
|--------------|---|----------------------|----------------------------|---------------|
| 1536M QL3    | Ferrochromium LC                              | .175                 | \$0.44                     | <b>\$1.60</b> |
| 1537HC       | Ferrochromium HC                              | .400                 | \$0.57                     | <b>\$0.57</b> |
| 1538MV       | Ferrovandium<br>Ferrochromium HC              | .100<br>.150         | \$0.87<br>\$0.21           | <b>\$1.08</b> |
| 1541H Mod    | Ferromolybdenum<br>Nickel<br>Ferrochromium LC | .050<br>.200<br>.190 | \$1.16<br>\$1.05<br>\$0.48 | <b>\$2.69</b> |
| 1575 R260    | Nickel<br>Ferrochromium LC                    | .080<br>.125         | \$0.42<br>\$0.31           | <b>\$0.73</b> |
| 1590 UHC     | Ferrochromium HC                              | .280                 | \$0.40                     | <b>\$0.40</b> |
| 15B28 Mod    | Ferromolybdenum                               | .150                 | \$3.49                     | <b>\$3.49</b> |
| 15B29 Mod    | Ferromolybdenum                               | .150                 | \$3.49                     | <b>\$3.49</b> |
| 15B33        | Ferrochromium HC                              | .550                 | \$0.79                     | <b>\$0.79</b> |
| 15B34 1E0669 | Ferromolybdenum<br>Nickel<br>Ferrochromium LC | .040<br>.100<br>.110 | \$0.93<br>\$0.52<br>\$0.28 | <b>\$1.73</b> |
| 15B34 1E0670 | Ferromolybdenum<br>Nickel<br>Ferrochromium HC | .040<br>.100<br>.150 | \$0.93<br>\$0.52<br>\$0.21 | <b>\$1.66</b> |
| 15B34 1E1287 | Ferromolybdenum<br>Nickel<br>Ferrochromium LC | .040<br>.100<br>.175 | \$0.93<br>\$0.52<br>\$0.44 | <b>\$1.89</b> |
| 15B34M       | Ferromolybdenum<br>Nickel<br>Ferrochromium HC | .040<br>.100<br>.175 | \$0.93<br>\$0.52<br>\$0.25 | <b>\$1.70</b> |
| 15B36        | Ferromolybdenum<br>Ferrochromium HC           | .030<br>.100         | \$0.70<br>\$0.14           | <b>\$0.84</b> |
| 15B37H       | Ferrochromium LC                              | .170                 | \$0.43                     | <b>\$0.43</b> |
| 15B37M       | Ferromolybdenum<br>Ferrochromium HC           | .030<br>.100         | \$0.70<br>\$0.14           | <b>\$0.84</b> |
| 15B41 1E028  | Nickel<br>Ferrochromium LC                    | .070<br>.100         | \$0.37<br>\$0.25           | <b>\$0.62</b> |
| 15V10M       | Ferrovandium                                  | .030                 | \$0.26                     | <b>\$0.26</b> |
| 15V16        | Ferrovandium                                  | .085                 | \$0.74                     | <b>\$0.74</b> |



| Grade         | Alloy                                      | Nominal Value        | Surcharge CWT              | Total CWT     |
|---------------|--|----------------------|----------------------------|---------------|
| 15V16 LF6     | Ferrovandium                               | .025                 | \$0.22                     | <b>\$0.22</b> |
| 15V18         | Ferrovandium                               | .075                 | \$0.65                     | <b>\$0.65</b> |
| 15V18M        | Ferrovandium                               | .080                 | \$0.69                     | <b>\$0.69</b> |
| 15V20M        | Ferrovandium                               | .170                 | \$1.47                     | <b>\$1.47</b> |
| 15V22         | Ferrovandium                               | .055                 | \$0.48                     | <b>\$0.48</b> |
| 15V22 PT      | Ferrovandium                               | .055                 | \$0.48                     | <b>\$0.48</b> |
| 15V24         | Ferrovandium                               | .075                 | \$0.65                     | <b>\$0.65</b> |
| 15V24 Mod     | Ferrovandium                               | .150                 | \$1.30                     | <b>\$1.30</b> |
| 15V24M        | Ferrovandium<br>Ferrochromium HC           | .135<br>.120         | \$1.17<br>\$0.17           | <b>\$1.34</b> |
| 15V27M        | Ferrovandium                               | .075                 | \$0.65                     | <b>\$0.65</b> |
| 15V30         | Ferrovandium                               | .135                 | \$1.17                     | <b>\$1.17</b> |
| 15V30 Mod     | Ferrovandium                               | .135                 | \$1.17                     | <b>\$1.17</b> |
| 15V30M        | Ferrovandium                               | .190                 | \$1.64                     | <b>\$1.64</b> |
| 15V32M        | Ferrovandium                               | .135                 | \$1.17                     | <b>\$1.17</b> |
| 15V34M        | Ferrovandium                               | .240                 | \$2.08                     | <b>\$2.08</b> |
| 15V37M        | Nickel<br>Ferrovandium<br>Ferrochromium HC | .150<br>.065<br>.150 | \$0.79<br>\$0.56<br>\$0.21 | <b>\$1.56</b> |
| 15V37M 1E1586 | Ferrovandium                               | .085                 | \$0.74                     | <b>\$0.74</b> |
| 15V37Mod      | Ferrovandium<br>Ferrochromium HC           | .085<br>.220         | \$0.74<br>\$0.31           | <b>\$1.05</b> |
| 15V38 C38 Mod | Ferrovandium<br>Ferrochromium HC           | .100<br>.150         | \$0.87<br>\$0.21           | <b>\$1.08</b> |
| 15V38M        | Ferrovandium<br>Ferrochromium HC           | .090<br>.150         | \$0.78<br>\$0.21           | <b>\$0.99</b> |
| 15V40M        | Ferrovandium<br>Ferrochromium HC           | .100<br>.150         | \$0.87<br>\$0.21           | <b>\$1.08</b> |
| 15V41         | Ferromolybdenum<br>Nickel<br>Ferrovandium  | .030<br>.080<br>.100 | \$0.70<br>\$0.42<br>\$0.87 |               |



| Grade           | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-----------------|------------------|---------------|---------------|----------------|
| 15V41           | Ferrochromium HC | .150          | \$0.21        | <b>\$2.20</b>  |
| 15V44 C44 Mod   | Ferrovandium     | .145          | \$1.25        | <b>\$1.61</b>  |
|                 | Ferrochromium HC | .250          | \$0.36        |                |
| 15V45M          | Ferrovandium     | .125          | \$1.08        | <b>\$1.08</b>  |
| 15V45M 1E1106   | Ferrovandium     | .130          | \$1.12        | <b>\$1.12</b>  |
| 16MnCr5         | Nickel           | .100          | \$0.52        | <b>\$2.02</b>  |
|                 | Ferrochromium HC | 1.050         | \$1.50        |                |
| 16MnCrS5        | Ferrochromium HC | 1.050         | \$1.50        | <b>\$1.50</b>  |
| 17MnV7          | Ferrovandium     | .165          | \$1.43        | <b>\$1.43</b>  |
| 18CrNiMo7-6     | Ferromolybdenum  | .300          | \$6.97        | <b>\$17.45</b> |
|                 | Nickel           | 1.550         | \$8.12        |                |
|                 | Ferrochromium HC | 1.650         | \$2.36        |                |
| 18CrNiMo7-6 +HH | Ferromolybdenum  | .300          | \$6.97        | <b>\$17.45</b> |
|                 | Nickel           | 1.550         | \$8.12        |                |
|                 | Ferrochromium HC | 1.650         | \$2.36        |                |
| 1E1371          | Ferromolybdenum  | .350          | \$8.13        | <b>\$11.52</b> |
|                 | Ferrovandium     | .095          | \$0.82        |                |
|                 | Ferrochromium HC | 1.800         | \$2.57        |                |
| 1E1497          | Ferrovandium     | .100          | \$0.87        | <b>\$1.08</b>  |
|                 | Ferrochromium HC | .150          | \$0.21        |                |
| 20MnCr5         | Ferrochromium HC | 1.200         | \$1.72        | <b>\$1.72</b>  |
| 20MnCrS5        | Ferrochromium HC | 1.150         | \$1.64        | <b>\$1.64</b>  |
| 25MoCr4         | Ferromolybdenum  | .440          | \$10.23       | <b>\$12.57</b> |
|                 | Nickel           | .200          | \$1.05        |                |
|                 | Ferrochromium HC | .900          | \$1.29        |                |
| 25MoCr4 Ver 50  | Ferromolybdenum  | .425          | \$9.88        | <b>\$11.12</b> |
|                 | Ferrochromium HC | .870          | \$1.24        |                |
| 25MoCrS4 Hay1   | Ferromolybdenum  | .425          | \$9.88        | <b>\$11.24</b> |
|                 | Ferrochromium HC | .950          | \$1.36        |                |
| 25MoCrS4 Hay2   | Ferromolybdenum  | .425          | \$9.88        | <b>\$11.24</b> |
|                 | Ferrochromium HC | .950          | \$1.36        |                |
| 30Mn5           | Ferrovandium     | .080          | \$0.69        | <b>\$1.57</b>  |
|                 | Ferrochromium LC | .350          | \$0.88        |                |
| 30MnVS6         | Ferrovandium     | .115          | \$0.99        | <b>\$0.99</b>  |



| Grade          | Alloy           | Nominal Value | Surcharge CWT | Total CWT     |
|----------------|-----------------|---------------|---------------|---------------|
| 30MnVS6-VD     | Ferrovandium    | .110          | \$0.95        | <b>\$0.95</b> |
| 35MnVS4        | Ferrovandium    | .200          | \$1.73        | <b>\$1.94</b> |
|                | Ferrovandium HC | .150          | \$0.21        |               |
| 37CRS4         | Ferrovandium HC | 1.050         | \$1.50        | <b>\$1.50</b> |
| 38MnSiVS5      | Ferrovandium    | .110          | \$0.95        | <b>\$1.14</b> |
|                | Ferrovandium HC | .130          | \$0.19        |               |
| 38MnVS6        | Ferrovandium    | .110          | \$0.95        | <b>\$1.16</b> |
|                | Ferrovandium HC | .150          | \$0.21        |               |
| 38MnVS6M       | Ferrovandium    | .240          | \$2.08        | <b>\$2.08</b> |
| 4023           | Ferromolybdenum | .250          | \$5.81        | <b>\$5.81</b> |
| 4027           | Ferromolybdenum | .260          | \$6.04        | <b>\$6.04</b> |
| 40BV40 Mod     | Ferromolybdenum | .355          | \$8.25        | <b>\$9.12</b> |
|                | Ferrovandium    | .100          | \$0.87        |               |
| 40BV40M 1E4146 | Ferromolybdenum | .355          | \$8.25        | <b>\$9.12</b> |
|                | Ferrovandium    | .100          | \$0.87        |               |
| 4118           | Ferromolybdenum | .115          | \$2.67        | <b>\$3.39</b> |
|                | Ferrovandium HC | .500          | \$0.72        |               |
| 4118-8/BQ      | Ferromolybdenum | .115          | \$2.67        | <b>\$3.39</b> |
|                | Ferrovandium HC | .500          | \$0.72        |               |
| 4118/4118-2    | Ferromolybdenum | .115          | \$2.67        | <b>\$3.39</b> |
|                | Ferrovandium HC | .500          | \$0.72        |               |
| 4120           | Ferromolybdenum | .170          | \$3.95        | <b>\$4.69</b> |
|                | Ferrovandium HC | .520          | \$0.74        |               |
| 4120 QL2       | Ferromolybdenum | .170          | \$3.95        | <b>\$4.69</b> |
|                | Ferrovandium HC | .520          | \$0.74        |               |
| 4120 QL3       | Ferromolybdenum | .170          | \$3.95        | <b>\$4.69</b> |
|                | Ferrovandium HC | .520          | \$0.74        |               |
| 4120H          | Ferromolybdenum | .150          | \$3.49        | <b>\$4.21</b> |
|                | Ferrovandium HC | .500          | \$0.72        |               |
| 4120H B81      | Ferromolybdenum | .170          | \$3.95        | <b>\$4.67</b> |
|                | Ferrovandium HC | .500          | \$0.72        |               |
| 4120H QL2      | Ferromolybdenum | .170          | \$3.95        | <b>\$4.69</b> |
|                | Ferrovandium HC | .520          | \$0.74        |               |
| 4120M          | Ferromolybdenum | .175          | \$4.07        |               |



| Grade           | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|-----------------|-----------------|---------------|---------------|----------------|
| 4120M           | Ferchromium HC  | .500          | \$0.72        | <b>\$4.79</b>  |
| 4120M 1E1120    | Ferromolybdenum | .165          | \$3.83        | <b>\$4.65</b>  |
|                 | Ferchromium HC  | .575          | \$0.82        |                |
| 4120RH QL4      | Ferromolybdenum | .170          | \$3.95        | <b>\$4.69</b>  |
|                 | Ferchromium HC  | .520          | \$0.74        |                |
| 4122M           | Ferromolybdenum | .170          | \$3.95        | <b>\$4.67</b>  |
|                 | Ferchromium HC  | .500          | \$0.72        |                |
| 4122M 1E0078 UC | Ferromolybdenum | .225          | \$5.23        | <b>\$6.41</b>  |
|                 | Ferchromium HC  | .825          | \$1.18        |                |
| 4122M 1E0778    | Ferromolybdenum | .225          | \$5.23        | <b>\$6.41</b>  |
|                 | Ferchromium HC  | .825          | \$1.18        |                |
| 4122M 1E0778 UC | Ferromolybdenum | .225          | \$5.23        | <b>\$6.45</b>  |
|                 | Ferchromium HC  | .850          | \$1.22        |                |
| 4122M 1E1054    | Ferromolybdenum | .325          | \$7.55        | <b>\$8.87</b>  |
|                 | Ferchromium HC  | .925          | \$1.32        |                |
| 4122M B222-6    | Ferromolybdenum | .170          | \$3.95        | <b>\$4.85</b>  |
|                 | Ferchromium HC  | .630          | \$0.90        |                |
| 4122M B222-6(F) | Ferromolybdenum | .170          | \$3.95        | <b>\$4.85</b>  |
|                 | Ferchromium HC  | .630          | \$0.90        |                |
| 4124            | Ferromolybdenum | .150          | \$3.49        | <b>\$4.42</b>  |
|                 | Ferchromium HC  | .650          | \$0.93        |                |
| 4124 M          | Ferromolybdenum | .400          | \$9.30        | <b>\$11.84</b> |
|                 | Nickel          | .205          | \$1.07        |                |
|                 | Ferchromium HC  | 1.025         | \$1.47        |                |
| 4124M           | Ferromolybdenum | .170          | \$3.95        | <b>\$4.88</b>  |
|                 | Ferchromium HC  | .650          | \$0.93        |                |
| 4124M B222      | Ferromolybdenum | .170          | \$3.95        | <b>\$4.88</b>  |
|                 | Ferchromium HC  | .650          | \$0.93        |                |
| 4124M B222-5(F) | Ferromolybdenum | .170          | \$3.95        | <b>\$4.88</b>  |
|                 | Ferchromium HC  | .650          | \$0.93        |                |
| 4124M B222-5mod | Ferromolybdenum | .170          | \$3.95        | <b>\$5.02</b>  |
|                 | Ferchromium HC  | .750          | \$1.07        |                |
| 4124M B222-7(F) | Ferromolybdenum | .170          | \$3.95        | <b>\$4.81</b>  |
|                 | Ferchromium HC  | .600          | \$0.86        |                |
| 4124M B222-8    | Ferromolybdenum | .300          | \$6.97        | <b>\$8.04</b>  |
|                 | Ferchromium HC  | .750          | \$1.07        |                |

| Grade         | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|---------------|-----------------|---------------|---------------|----------------|
| 4128          | Ferromolybdenum | .350          | \$8.13        |                |
|               | Ferrovandium    | .095          | \$0.82        |                |
|               | Ferchromium HC  | 1.800         | \$2.57        | <b>\$11.52</b> |
| 4128M         | Ferromolybdenum | .390          | \$9.06        |                |
|               | Ferrovandium    | .100          | \$0.87        |                |
|               | Ferchromium HC  | 1.800         | \$2.57        | <b>\$12.50</b> |
| 4129M         | Ferromolybdenum | .700          | \$16.27       |                |
|               | Ferchromium HC  | 1.350         | \$1.93        | <b>\$18.20</b> |
| 4130          | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | .950          | \$1.36        | <b>\$6.01</b>  |
| 4130 1E1058   | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 1E2737   | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 1E5205   | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 AQ       | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 CF-003   | Ferromolybdenum | .220          | \$5.11        |                |
|               | Nickel          | .150          | \$0.79        |                |
|               | Ferchromium HC  | 1.050         | \$1.50        | <b>\$7.40</b>  |
| 4130 CGL-2    | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 ES-330   | Ferromolybdenum | .230          | \$5.35        |                |
|               | Nickel          | .100          | \$0.52        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$7.30</b>  |
| 4130 ES220    | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 MBQ      | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130 Mod      | Ferromolybdenum | .650          | \$15.11       |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$16.54</b> |
| 4130 TW051592 | Ferromolybdenum | .220          | \$5.11        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.54</b>  |
| 4130-4 MS     | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.000         | \$1.43        | <b>\$6.08</b>  |
| 4130-5/4130   | Ferromolybdenum | .200          | \$4.65        |                |
|               | Ferchromium HC  | 1.040         | \$1.49        | <b>\$6.14</b>  |



| Grade          | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|----------------|------------------|---------------|---------------|----------------|
| 4130-6/4130    | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.14</b>  |
|                | Ferrochromium HC | 1.040         | \$1.49        |                |
| 4130-9/4130M   | Ferromolybdenum  | .225          | \$5.23        | <b>\$7.71</b>  |
|                | Nickel           | .200          | \$1.05        |                |
|                | Ferrochromium HC | 1.000         | \$1.43        |                |
| 4130/4130H     | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130A          | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.08</b>  |
|                | Ferrochromium HC | 1.000         | \$1.43        |                |
| 4130B AQ       | Ferromolybdenum  | .220          | \$5.11        | <b>\$6.54</b>  |
|                | Ferrochromium HC | 1.000         | \$1.43        |                |
| 4130B Mod      | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130H          | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130H QL2      | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130H QL3      | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130I          | Ferromolybdenum  | .700          | \$16.27       | <b>\$18.20</b> |
|                | Ferrochromium HC | 1.350         | \$1.93        |                |
| 4130M          | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130M 1E2737   | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130M TW032808 | Ferromolybdenum  | .220          | \$5.11        | <b>\$7.13</b>  |
|                | Ferrovandium     | .060          | \$0.52        |                |
|                | Ferrochromium HC | 1.050         | \$1.50        |                |
| 4130M TW061206 | Ferromolybdenum  | .275          | \$6.39        | <b>\$8.31</b>  |
|                | Ferrovandium     | .040          | \$0.35        |                |
|                | Ferrochromium HC | 1.100         | \$1.57        |                |
| 4130M7         | Ferromolybdenum  | .700          | \$16.27       | <b>\$18.20</b> |
|                | Ferrochromium HC | 1.350         | \$1.93        |                |
| 4130RH         | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4130U          | Ferromolybdenum  | .225          | \$5.23        | <b>\$6.59</b>  |
|                | Ferrochromium HC | .950          | \$1.36        |                |
| 4132 M         | Ferromolybdenum  | .650          | \$15.11       |                |



| Grade       | Alloy   | Nominal Value          | Surcharge CWT              | Total CWT      |
|-------------|---|------------------------|----------------------------|----------------|
| 4132 M      | Ferrochromium HC                              | 1.250                  | \$1.79                     | <b>\$16.90</b> |
| 4132 MS362  | Ferromolybdenum<br>Ferrochromium HC           | .425<br>1.250          | \$9.88<br>\$1.79           | <b>\$11.67</b> |
| 4132M       | Ferromolybdenum<br>Nickel<br>Ferrochromium HC | .425<br>1.275<br>1.025 | \$9.88<br>\$6.68<br>\$1.47 | <b>\$18.03</b> |
| 4135        | Ferromolybdenum<br>Nickel<br>Ferrochromium HC | .315<br>.200<br>1.100  | \$7.32<br>\$1.05<br>\$1.57 | <b>\$9.94</b>  |
| 4135 B73    | Ferromolybdenum<br>Ferrochromium HC           | .200<br>1.000          | \$4.65<br>\$1.43           | <b>\$6.08</b>  |
| 4135H Mod   | Ferromolybdenum<br>Nickel<br>Ferrochromium HC | .315<br>.200<br>1.100  | \$7.32<br>\$1.05<br>\$1.57 | <b>\$9.94</b>  |
| 4135H QL2   | Ferromolybdenum<br>Ferrochromium HC           | .200<br>1.000          | \$4.65<br>\$1.43           | <b>\$6.08</b>  |
| 4137        | Ferromolybdenum<br>Ferrochromium HC           | .320<br>1.050          | \$7.44<br>\$1.50           | <b>\$8.94</b>  |
| 4137 M      | Ferromolybdenum<br>Ferrochromium HC           | .320<br>1.100          | \$7.44<br>\$1.57           | <b>\$9.01</b>  |
| 4137 MS303  | Ferromolybdenum<br>Ferrochromium HC           | .300<br>1.100          | \$6.97<br>\$1.57           | <b>\$8.54</b>  |
| 4137 MS309  | Ferromolybdenum<br>Ferrochromium HC           | .300<br>1.100          | \$6.97<br>\$1.57           | <b>\$8.54</b>  |
| 4137 MS371  | Ferromolybdenum<br>Ferrochromium HC           | .300<br>1.100          | \$6.97<br>\$1.57           | <b>\$8.54</b>  |
| 4137 Mod    | Ferromolybdenum<br>Ferrochromium HC           | .325<br>1.125          | \$7.55<br>\$1.61           | <b>\$9.16</b>  |
| 4137/4140   | Ferromolybdenum<br>Ferrochromium HC           | .175<br>.950           | \$4.07<br>\$1.36           | <b>\$5.43</b>  |
| 4137H       | Ferromolybdenum<br>Ferrochromium HC           | .200<br>.950           | \$4.65<br>\$1.36           | <b>\$6.01</b>  |
| 4137M       | Ferromolybdenum<br>Ferrochromium HC           | .300<br>1.100          | \$6.97<br>\$1.57           | <b>\$8.54</b>  |
| 4137M 341   | Ferromolybdenum<br>Ferrochromium HC           | .300<br>1.050          | \$6.97<br>\$1.50           | <b>\$8.47</b>  |
| 4137M MS364 | Ferromolybdenum                               | .300                   | \$6.97                     |                |

| Grade         | Alloy           | Nominal Value | Surcharge CWT | Total CWT     |
|---------------|-----------------|---------------|---------------|---------------|
| 4137M MS364   | Ferchromium HC  | 1.100         | \$1.57        | <b>\$8.54</b> |
| 4137RS        | Ferromolybdenum | .225          | \$5.23        | <b>\$6.59</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140          | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 1E1636   | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 1E509    | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 1E5211   | Ferromolybdenum | .225          | \$5.23        | <b>\$7.71</b> |
|               | Nickel          | .200          | \$1.05        |               |
|               | Ferchromium HC  | 1.000         | \$1.43        |               |
| 4140 A1       | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 AQ       | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 BQ       | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 CF-001   | Ferromolybdenum | .230          | \$5.35        | <b>\$7.93</b> |
|               | Nickel          | .220          | \$1.15        |               |
|               | Ferchromium HC  | 1.000         | \$1.43        |               |
| 4140 ES-324   | Ferromolybdenum | .200          | \$4.65        | <b>\$7.13</b> |
|               | Nickel          | .200          | \$1.05        |               |
|               | Ferchromium HC  | 1.000         | \$1.43        |               |
| 4140 ES-325   | Ferromolybdenum | .200          | \$4.65        | <b>\$7.13</b> |
|               | Nickel          | .200          | \$1.05        |               |
|               | Ferchromium HC  | 1.000         | \$1.43        |               |
| 4140 LS       | Ferromolybdenum | .200          | \$4.65        | <b>\$7.06</b> |
|               | Nickel          | .200          | \$1.05        |               |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 M        | Ferromolybdenum | .200          | \$4.65        | <b>\$7.27</b> |
|               | Nickel          | .350          | \$1.83        |               |
|               | Ferchromium HC  | .550          | \$0.79        |               |
| 4140 MS450    | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 Off Chem | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b> |
|               | Ferchromium HC  | .950          | \$1.36        |               |
| 4140 QL2      | Ferromolybdenum | .200          | \$4.65        |               |



| Grade        | Alloy  | Nominal Value                | Surcharge CWT                        | Total CWT     |
|--------------|--|------------------------------|--------------------------------------|---------------|
| 4140 QL2     | Ferrochromium HC   | .950                         | \$1.36                               | <b>\$6.01</b> |
| 4140 QL3     | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140 V FG    | Ferromolybdenum<br>Ferrovanadium<br>Ferrochromium HC           | .200<br>.030<br>.950         | \$4.65<br>\$0.26<br>\$1.36           | <b>\$6.27</b> |
| 4140/4140H   | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140/4142    | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140/4142H   | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140/42      | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140A        | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140B        | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140H        | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140H B74-1  | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140H QL2    | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140H QL3    | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140H/42 QL2 | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140M        | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140M B74-R  | Ferromolybdenum<br>Ferrochromium HC                            | .200<br>.950                 | \$4.65<br>\$1.36                     | <b>\$6.01</b> |
| 4140M S315   | Ferromolybdenum<br>Nickel<br>Ferrovanadium<br>Ferrochromium HC | .200<br>.200<br>.020<br>.950 | \$4.65<br>\$1.05<br>\$0.17<br>\$1.36 | <b>\$7.23</b> |
| 4140Mod      | Ferromolybdenum  | .225                         | \$5.23                               |               |



| Grade          | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|----------------|-----------------|---------------|---------------|----------------|
| 4140Mod        | Ferchromium HC  | 1.150         | \$1.64        | <b>\$6.87</b>  |
| 4140RS         | Ferromolybdenum | .200          | \$4.65        | <b>\$6.41</b>  |
|                | Ferrovandium    | .030          | \$0.26        |                |
|                | Ferchromium HC  | 1.050         | \$1.50        |                |
| 4141-5/4140    | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4141H          | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4142           | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4142/4145H Mod | Ferromolybdenum | .300          | \$6.97        | <b>\$8.54</b>  |
|                | Ferchromium HC  | 1.100         | \$1.57        |                |
| 4145           | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4145 1E0598    | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4145H          | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4145H M        | Ferromolybdenum | .380          | \$8.83        | <b>\$10.40</b> |
|                | Ferchromium HC  | 1.100         | \$1.57        |                |
| 4145H Mod      | Ferromolybdenum | .300          | \$6.97        | <b>\$8.54</b>  |
|                | Ferchromium HC  | 1.100         | \$1.57        |                |
| 4145H QL2      | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4145M          | Ferromolybdenum | .250          | \$5.81        | <b>\$7.38</b>  |
|                | Ferchromium HC  | 1.100         | \$1.57        |                |
| 4145M 346      | Ferromolybdenum | .310          | \$7.20        | <b>\$8.77</b>  |
|                | Ferchromium HC  | 1.100         | \$1.57        |                |
| 4150           | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4150 QL2       | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4150 QL2 AQ    | Ferromolybdenum | .200          | \$4.65        | <b>\$6.01</b>  |
|                | Ferchromium HC  | .950          | \$1.36        |                |
| 4150 V FG      | Ferromolybdenum | .180          | \$4.18        | <b>\$5.66</b>  |
|                | Ferrovandium    | .030          | \$0.26        |                |
|                | Ferchromium HC  | .850          | \$1.22        |                |



| Grade         | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|---------------|------------------|---------------|---------------|----------------|
| 4150H         | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|               | Ferrochromium HC | .950          | \$1.36        |                |
| 4150H 1E9999  | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|               | Ferrochromium HC | .950          | \$1.36        |                |
| 4150H AQ      | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|               | Ferrochromium HC | .950          | \$1.36        |                |
| 4150M2        | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.98</b>  |
|               | Nickel           | .185          | \$0.97        |                |
|               | Ferrochromium HC | .950          | \$1.36        |                |
| 4150RS        | Ferromolybdenum  | .200          | \$4.65        | <b>\$5.87</b>  |
|               | Ferrochromium HC | .850          | \$1.22        |                |
| 4161 1E0490   | Ferromolybdenum  | .300          | \$6.97        | <b>\$8.11</b>  |
|               | Ferrochromium HC | .800          | \$1.14        |                |
| 4161/4161H    | Ferromolybdenum  | .300          | \$6.97        | <b>\$8.11</b>  |
|               | Ferrochromium HC | .800          | \$1.14        |                |
| 4162          | Ferromolybdenum  | .200          | \$4.65        | <b>\$7.17</b>  |
|               | Nickel           | .200          | \$1.05        |                |
|               | Ferrochromium HC | 1.025         | \$1.47        |                |
| 4163M         | Ferromolybdenum  | .150          | \$3.49        | <b>\$5.06</b>  |
|               | Ferrovandium     | .050          | \$0.43        |                |
|               | Ferrochromium HC | .800          | \$1.14        |                |
| 4164M         | Ferromolybdenum  | .080          | \$1.86        | <b>\$3.78</b>  |
|               | Ferrovandium     | .065          | \$0.56        |                |
|               | Ferrochromium HC | .950          | \$1.36        |                |
| 41B17         | Ferromolybdenum  | .125          | \$2.91        | <b>\$3.73</b>  |
|               | Ferrochromium HC | .575          | \$0.82        |                |
| 41B17 1E0951  | Ferromolybdenum  | .125          | \$2.91        | <b>\$3.73</b>  |
|               | Ferrochromium HC | .575          | \$0.82        |                |
| 41B30M        | Ferromolybdenum  | .150          | \$3.49        | <b>\$4.21</b>  |
|               | Ferrochromium HC | .500          | \$0.72        |                |
| 41B30M 1E0997 | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.70</b>  |
|               | Ferrochromium HC | .525          | \$0.75        |                |
| 41B30M 1E1671 | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.70</b>  |
|               | Ferrochromium HC | .525          | \$0.75        |                |
| 41B30M QL3    | Ferromolybdenum  | .160          | \$3.72        | <b>\$4.51</b>  |
|               | Ferrochromium HC | .550          | \$0.79        |                |
| 41B31M        | Ferromolybdenum  | .375          | \$8.72        | <b>\$11.01</b> |
|               | Ferrochromium HC | 1.600         | \$2.29        |                |





| Grade          | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|----------------|------------------|---------------|---------------|----------------|
| 41B32M         | Ferromolybdenum  | .425          | \$9.88        |                |
|                | Nickel           | 1.275         | \$6.68        |                |
|                | Ferrochromium HC | 1.025         | \$1.47        | <b>\$18.03</b> |
| 41B33M         | Ferromolybdenum  | .150          | \$3.49        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$4.21</b>  |
| 41B33M 1E4415  | Ferromolybdenum  | .165          | \$3.83        |                |
|                | Ferrochromium HC | .525          | \$0.75        | <b>\$4.58</b>  |
| 41B35M         | Ferromolybdenum  | .075          | \$1.74        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$2.46</b>  |
| 41B35M 1E1013  | Ferromolybdenum  | .075          | \$1.74        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$2.46</b>  |
| 41V37 Mod      | Ferromolybdenum  | .325          | \$7.55        |                |
|                | Ferrovandium     | .040          | \$0.35        |                |
|                | Ferrochromium HC | 1.050         | \$1.50        | <b>\$9.40</b>  |
| 42CrMo4        | Ferromolybdenum  | .200          | \$4.65        |                |
|                | Ferrochromium HC | 1.100         | \$1.57        | <b>\$6.22</b>  |
| 42CrMo4 1E2765 | Ferromolybdenum  | .200          | \$4.65        |                |
|                | Ferrochromium HC | 1.100         | \$1.57        | <b>\$6.22</b>  |
| 42CrMo4 Ver10  | Ferromolybdenum  | .175          | \$4.07        |                |
|                | Ferrochromium HC | 1.100         | \$1.57        | <b>\$5.64</b>  |
| 42CrMoS4       | Ferromolybdenum  | .200          | \$4.65        |                |
|                | Ferrochromium HC | 1.050         | \$1.50        | <b>\$6.15</b>  |
| 4317M2         | Ferromolybdenum  | .750          | \$17.43       |                |
|                | Nickel           | 1.850         | \$9.69        |                |
|                | Ferrochromium HC | .600          | \$0.86        | <b>\$27.98</b> |
| 4320           | Ferromolybdenum  | .250          | \$5.81        |                |
|                | Nickel           | 1.825         | \$9.56        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320 QL3       | Ferromolybdenum  | .250          | \$5.81        |                |
|                | Nickel           | 1.825         | \$9.56        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320H          | Ferromolybdenum  | .250          | \$5.81        |                |
|                | Nickel           | 1.825         | \$9.56        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320H B46      | Ferromolybdenum  | .250          | \$5.81        |                |
|                | Nickel           | 1.825         | \$9.56        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320H BQ       | Ferromolybdenum  | .250          | \$5.81        |                |
|                | Nickel           | 1.825         | \$9.56        |                |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |



| Grade       | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-------------|------------------|---------------|---------------|----------------|
| 4320H QL3   | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320H QL4   | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 4320M       | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.025         | \$5.37        |                |
|             | Ferrochromium HC | 1.025         | \$1.47        | <b>\$12.65</b> |
| 4320RH      | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.830         | \$9.59        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$16.12</b> |
| 4320RH UC   | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.830         | \$9.59        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$16.12</b> |
| 4330V       | Ferromolybdenum  | .430          | \$9.99        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrovandium     | .075          | \$0.65        |                |
|             | Ferrochromium HC | .870          | \$1.24        | <b>\$21.44</b> |
| 4340        | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4340 1E0830 | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4340 AQ     | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4340 QL2    | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4340 QL3    | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4340 RGM    | Ferromolybdenum  | .275          | \$6.39        |                |
|             | Nickel           | 1.880         | \$9.85        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$17.38</b> |
| 4340H       | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 4350H       | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | 1.825         | \$9.56        |                |
|             | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |



| Grade         | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|---------------|------------------|---------------|---------------|----------------|
| 4350H AQ      | Ferromolybdenum  | .250          | \$5.81        |                |
|               | Nickel           | 1.830         | \$9.59        |                |
|               | Ferrochromium HC | .800          | \$1.14        | <b>\$16.54</b> |
| 4352 AQ       | Ferromolybdenum  | .250          | \$5.81        |                |
|               | Nickel           | 1.825         | \$9.56        |                |
|               | Ferrochromium HC | .800          | \$1.14        | <b>\$16.51</b> |
| 43B20         | Ferromolybdenum  | .250          | \$5.81        |                |
|               | Nickel           | 1.825         | \$9.56        |                |
|               | Ferrochromium HC | .500          | \$0.72        | <b>\$16.09</b> |
| 43V30 Mod     | Ferromolybdenum  | .530          | \$12.32       |                |
|               | Nickel           | 2.500         | \$13.10       |                |
|               | Ferrovandium     | .090          | \$0.78        |                |
|               | Ferrochromium HC | .950          | \$1.36        | <b>\$27.56</b> |
| 44W           | Ferrovandium     | .025          | \$0.22        | <b>\$0.22</b>  |
| 4620 QL3      | Ferromolybdenum  | .250          | \$5.81        |                |
|               | Nickel           | 1.825         | \$9.56        | <b>\$15.37</b> |
| 4623          | Ferromolybdenum  | .180          | \$4.18        |                |
|               | Nickel           | 1.900         | \$9.96        |                |
|               | Ferrovandium     | .060          | \$0.52        | <b>\$14.66</b> |
| 4625 AMS 6418 | Ferromolybdenum  | .400          | \$9.30        |                |
|               | Nickel           | 1.825         | \$9.56        |                |
|               | Ferrochromium HC | .300          | \$0.43        | <b>\$19.29</b> |
| 4625 IR458    | Ferromolybdenum  | .400          | \$9.30        |                |
|               | Nickel           | 1.825         | \$9.56        |                |
|               | Ferrochromium HC | .300          | \$0.43        | <b>\$19.29</b> |
| 46MnVS6       | Ferrovandium     | .140          | \$1.21        |                |
|               | Ferrochromium HC | .150          | \$0.21        | <b>\$1.42</b>  |
| 4715          | Ferromolybdenum  | .520          | \$12.08       |                |
|               | Nickel           | .925          | \$4.85        |                |
|               | Ferrochromium HC | .550          | \$0.79        | <b>\$17.72</b> |
| 4715M         | Ferromolybdenum  | .560          | \$13.01       |                |
|               | Nickel           | .930          | \$4.87        |                |
|               | Ferrochromium HC | .550          | \$0.79        | <b>\$18.67</b> |
| 47V15         | Ferromolybdenum  | .550          | \$12.78       |                |
|               | Nickel           | .930          | \$4.87        |                |
|               | Ferrovandium     | .040          | \$0.35        |                |
|               | Ferrochromium HC | .600          | \$0.86        | <b>\$18.86</b> |
| 4815H         | Ferromolybdenum  | .250          | \$5.81        |                |
|               | Nickel           | 3.450         | \$18.08       |                |
|               | Ferrochromium HC | .100          | \$0.14        | <b>\$24.03</b> |
| 4817          | Ferromolybdenum  | .250          | \$5.81        |                |



| Grade        | Alloy                               | Nominal Value | Surcharge CWT     | Total CWT      |
|--------------|-------------------------------------|---------------|-------------------|----------------|
| 4817         | Nickel                              | 3.500         | \$18.34           | <b>\$24.15</b> |
| 4817RH       | Ferromolybdenum<br>Nickel           | .250<br>3.500 | \$5.81<br>\$18.34 | <b>\$24.15</b> |
| 50B34 1E1632 | Ferrochromium HC                    | .400          | \$0.57            | <b>\$0.57</b>  |
| 50B34 Mod    | Ferrochromium HC                    | .400          | \$0.57            | <b>\$0.57</b>  |
| 50B35        | Ferrochromium HC                    | .400          | \$0.57            | <b>\$0.57</b>  |
| 50B35 1E1201 | Ferrochromium HC                    | .480          | \$0.69            | <b>\$0.69</b>  |
| 5119         | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 5119R        | Ferrochromium HC                    | .900          | \$1.29            | <b>\$1.29</b>  |
| 5120         | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 5120H        | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 5120M        | Ferromolybdenum<br>Ferrochromium HC | .020<br>1.050 | \$0.46<br>\$1.50  | <b>\$1.96</b>  |
| 5124         | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 5125RH       | Ferrochromium HC                    | 1.100         | \$1.57            | <b>\$1.57</b>  |
| 5130         | Ferrochromium HC                    | .950          | \$1.36            | <b>\$1.36</b>  |
| 5130-4       | Ferrochromium HC                    | .950          | \$1.36            | <b>\$1.36</b>  |
| 5130/5130H   | Ferrochromium HC                    | .950          | \$1.36            | <b>\$1.36</b>  |
| 5130H Mod    | Ferrochromium HC                    | .975          | \$1.39            | <b>\$1.39</b>  |
| 5140         | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 5150         | Ferrochromium HC                    | 1.100         | \$1.57            | <b>\$1.57</b>  |
| 5150 525X    | Ferrochromium HC                    | 1.100         | \$1.57            | <b>\$1.57</b>  |
| 5160         | Ferrochromium HC                    | .875          | \$1.25            | <b>\$1.25</b>  |
| 5160H        | Ferrochromium HC                    | .875          | \$1.25            | <b>\$1.25</b>  |
| 5160H Mod    | Ferrochromium HC                    | .950          | \$1.36            | <b>\$1.36</b>  |
| 51B60H       | Ferrochromium HC                    | .800          | \$1.14            | <b>\$1.14</b>  |
| 51CrV4       | Nickel                              | .150          | \$0.79            |                |



| Grade        | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|--------------|-----------------|---------------|---------------|----------------|
| 51CrV4       | Ferrovandium    | .130          | \$1.12        | <b>\$3.41</b>  |
|              | Ferchromium HC  | 1.050         | \$1.50        |                |
| 51V30M       | Ferrovandium    | .105          | \$0.91        | <b>\$2.48</b>  |
|              | Ferchromium HC  | 1.100         | \$1.57        |                |
| 52100        | Ferchromium HC  | 1.450         | \$2.07        | <b>\$2.07</b>  |
| 52100 BQ     | Ferchromium HC  | 1.450         | \$2.07        | <b>\$2.07</b>  |
| 52CrMoV4     | Ferromolybdenum | .225          | \$5.23        | <b>\$7.85</b>  |
|              | Ferrovandium    | .130          | \$1.12        |                |
|              | Ferchromium HC  | 1.050         | \$1.50        |                |
| 58CrMoV4     | Ferromolybdenum | .175          | \$4.07        | <b>\$6.54</b>  |
|              | Ferrovandium    | .125          | \$1.08        |                |
|              | Ferchromium HC  | .970          | \$1.39        |                |
| 6175 Mod     | Ferrovandium    | .175          | \$1.51        | <b>\$3.12</b>  |
|              | Ferchromium HC  | 1.125         | \$1.61        |                |
| 6330         | Ferromolybdenum | .500          | \$11.62       | <b>\$15.71</b> |
|              | Ferrovandium    | .250          | \$2.16        |                |
|              | Ferchromium HC  | 1.350         | \$1.93        |                |
| 7474-5/4130M | Ferromolybdenum | .225          | \$5.23        | <b>\$7.71</b>  |
|              | Nickel          | .200          | \$1.05        |                |
|              | Ferchromium HC  | 1.000         | \$1.43        |                |
| 8615         | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8616 Mod     | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8617         | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8617/8620H   | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8617H AQ     | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8617H/8620   | Ferromolybdenum | .200          | \$4.65        | <b>\$8.25</b>  |
|              | Nickel          | .550          | \$2.88        |                |
|              | Ferchromium HC  | .500          | \$0.72        |                |
| 8619 A534 BQ | Ferromolybdenum | .215          | \$5.00        |                |
|              | Nickel          | .550          | \$2.88        |                |



| Grade         | Alloy           | Nominal Value | Surcharge CWT | Total CWT     |
|---------------|-----------------|---------------|---------------|---------------|
| 8619 A534 BQ  | Ferchromium HC  | .500          | \$0.72        | <b>\$8.60</b> |
| 8619H BQ QL3  | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620          | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 1E2743   | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 A2       | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 AQ       | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 BQ       | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 FG       | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 MAT 1052 | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 MS450 -B | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 Off-Heat | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 QL2      | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 QL3      | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620 QL4      | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |
|               | Ferchromium HC  | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/20H QL2  | Ferromolybdenum | .200          | \$4.65        |               |
|               | Nickel          | .550          | \$2.88        |               |



| Grade          | Alloy            | Nominal Value | Surcharge CWT | Total CWT     |
|----------------|------------------|---------------|---------------|---------------|
| 8620/20H QL2   | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/22        | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/22 QL2    | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/8620H     | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/8620H QL3 | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/8622H     | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/8622H QL2 | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620/8622H QL3 | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620BQ 1E4180  | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620H          | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620H A534 BQ  | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620H B81      | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620H QL3      | Ferromolybdenum  | .200          | \$4.65        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b> |
| 8620H/8720H    | Ferromolybdenum  | .225          | \$5.23        |               |
|                | Nickel           | .550          | \$2.88        |               |
|                | Ferrovandium     | .005          | \$0.04        |               |
|                | Ferrochromium HC | .500          | \$0.72        | <b>\$8.87</b> |
| 8620M          | Ferromolybdenum  | .200          | \$4.65        |               |



| Grade      | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|------------|------------------|---------------|---------------|----------------|
| 8620M      | Nickel           | .550          | \$2.88        | <b>\$8.25</b>  |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8620M B81  | Ferromolybdenum  | .220          | \$5.11        | <b>\$9.20</b>  |
|            | Nickel           | .630          | \$3.30        |                |
|            | Ferrochromium HC | .550          | \$0.79        |                |
| 8620RH     | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.32</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .550          | \$0.79        |                |
| 8622H      | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8622M      | Ferromolybdenum  | .270          | \$6.27        | <b>\$11.53</b> |
|            | Nickel           | .600          | \$3.14        |                |
|            | Ferrovandium     | .080          | \$0.69        |                |
|            | Ferrochromium HC | 1.000         | \$1.43        |                |
| 8622RH     | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.32</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .550          | \$0.79        |                |
| 8625       | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8625H      | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8627H      | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8630       | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8630 CGL-6 | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8630 QL3   | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8630H      | Ferromolybdenum  | .200          | \$4.65        | <b>\$8.25</b>  |
|            | Nickel           | .550          | \$2.88        |                |
|            | Ferrochromium HC | .500          | \$0.72        |                |
| 8631       | Ferromolybdenum  | .180          | \$4.18        | <b>\$6.40</b>  |
|            | Nickel           | .150          | \$0.79        |                |
|            | Ferrochromium HC | 1.000         | \$1.43        |                |





| Grade       | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-------------|------------------|---------------|---------------|----------------|
| 8637        | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8637H       | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8637RC      | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8640        | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8640/8740   | Ferromolybdenum  | .225          | \$5.23        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.83</b>  |
| 8640M       | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8650        | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8650 AQ     | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8650H       | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 8660        | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 86B20H      | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .525          | \$0.75        | <b>\$8.28</b>  |
| 86B30       | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 86B30H      | Ferromolybdenum  | .200          | \$4.65        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$8.25</b>  |
| 86V53M KJ8X | Ferromolybdenum  | .500          | \$11.62       |                |
|             | Nickel           | .500          | \$2.62        |                |
|             | Ferrovandium     | .150          | \$1.30        |                |
|             | Ferrochromium HC | 1.775         | \$2.54        | <b>\$18.08</b> |



| Grade       | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-------------|------------------|---------------|---------------|----------------|
| 8720        | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$9.41</b>  |
| 8735        | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$9.41</b>  |
| 8735 AQ     | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$9.41</b>  |
| 8740        | Ferromolybdenum  | .250          | \$5.81        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$9.41</b>  |
| 8822H       | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.73</b> |
| 8822H B79   | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .600          | \$3.14        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.99</b> |
| 8822H B79-1 | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .600          | \$3.14        |                |
|             | Ferrochromium HC | .530          | \$0.76        | <b>\$12.03</b> |
| 8822H BQ    | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.73</b> |
| 8822H QL2   | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.73</b> |
| 8822H QL3   | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .500          | \$2.62        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.47</b> |
| 8822M       | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .550          | \$2.88        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.73</b> |
| 8822RH      | Ferromolybdenum  | .350          | \$8.13        |                |
|             | Nickel           | .500          | \$2.62        |                |
|             | Ferrochromium HC | .500          | \$0.72        | <b>\$11.47</b> |
| 9254        | Ferrochromium HC | .700          | \$1.00        | <b>\$1.00</b>  |
| 9310        | Ferromolybdenum  | .115          | \$2.67        |                |
|             | Nickel           | 3.250         | \$17.03       |                |
|             | Ferrochromium HC | 1.250         | \$1.79        | <b>\$21.49</b> |
| 9310H       | Ferromolybdenum  | .115          | \$2.67        |                |
|             | Nickel           | 3.250         | \$17.03       |                |



| Grade          | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|----------------|-----------------|---------------|---------------|----------------|
| 9310H          | Ferchromium HC  | 1.250         | \$1.79        | <b>\$21.49</b> |
| 9313/9313H     | Ferromolybdenum | .120          | \$2.79        |                |
|                | Nickel          | 3.250         | \$17.03       |                |
|                | Ferrovandium    | .040          | \$0.35        |                |
|                | Ferchromium HC  | 1.450         | \$2.07        | <b>\$22.24</b> |
| 9315H          | Ferromolybdenum | .115          | \$2.67        |                |
|                | Nickel          | 3.325         | \$17.42       |                |
|                | Ferchromium LC  | 1.275         | \$3.19        | <b>\$23.28</b> |
| 9350           | Ferromolybdenum | .115          | \$2.67        |                |
|                | Nickel          | 3.250         | \$17.03       |                |
|                | Ferrovandium    | .045          | \$0.39        |                |
|                | Ferchromium HC  | 1.250         | \$1.79        | <b>\$21.88</b> |
| A105/LF2 Chem  | Ferrovandium    | .035          | \$0.30        | <b>\$0.30</b>  |
| A350 LF6 Chem  | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A350/LF2 Chem  | Ferrovandium    | .035          | \$0.30        | <b>\$0.30</b>  |
| A529 GR50      | Ferrovandium    | .015          | \$0.13        | <b>\$0.13</b>  |
| A529 GR55      | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A572 58Y       | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A572 GR50      | Ferrovandium    | .015          | \$0.13        | <b>\$0.13</b>  |
| A572 Gr 42 T2  | Ferrovandium    | .015          | \$0.13        | <b>\$0.13</b>  |
| A572 Gr 60     | Ferrovandium    | .085          | \$0.74        | <b>\$0.74</b>  |
| A572 Gr42      | Ferrovandium    | .035          | \$0.30        | <b>\$0.30</b>  |
| A572 Gr50 T2   | Ferrovandium    | .015          | \$0.13        | <b>\$0.13</b>  |
| A572 Gr60 Chem | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A572Gr50 Chem  | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A572M 58Y      | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A572M Gr 60    | Ferrovandium    | .075          | \$0.65        | <b>\$0.65</b>  |
| A588 Gr A      | Nickel          | .150          | \$0.79        |                |
|                | Ferrovandium    | .060          | \$0.52        |                |
|                | Ferchromium HC  | .550          | \$0.79        | <b>\$2.10</b>  |
| A588 Gr B      | Nickel          | .150          | \$0.79        |                |
|                | Ferrovandium    | .060          | \$0.52        |                |



| Grade           | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-----------------|------------------|---------------|---------------|----------------|
| A588 Gr B       | Ferrochromium HC | .550          | \$0.79        | <b>\$2.10</b>  |
| A588/709 50W    | Nickel           | .150          | \$0.79        |                |
|                 | Ferrovandium     | .060          | \$0.52        |                |
|                 | Ferrochromium HC | .550          | \$0.79        | <b>\$2.10</b>  |
| A615 GR60       | Ferrovandium     | .050          | \$0.43        | <b>\$0.43</b>  |
| A615 GR60/A706  | Ferrovandium     | .050          | \$0.43        | <b>\$0.43</b>  |
| A615 Gr 75      | Ferrovandium     | .115          | \$0.99        | <b>\$0.99</b>  |
| A615 Gr 80      | Ferrovandium     | .050          | \$0.43        | <b>\$0.43</b>  |
| A615 Gr80       | Ferrovandium     | .110          | \$0.95        | <b>\$0.95</b>  |
| A690            | Nickel           | .450          | \$2.36        |                |
|                 | Ferrovandium     | .060          | \$0.52        | <b>\$2.88</b>  |
| A694 F60        | Ferromolybdenum  | .035          | \$0.81        |                |
|                 | Ferrovandium     | .110          | \$0.95        | <b>\$1.76</b>  |
| A694 F70        | Ferrovandium     | .065          | \$0.56        | <b>\$0.56</b>  |
| A706 GR 60 Chem | Ferrovandium     | .025          | \$0.22        | <b>\$0.22</b>  |
| A706 Gr 80      | Ferrovandium     | .110          | \$0.95        | <b>\$0.95</b>  |
| A707 L3         | Ferrovandium     | .065          | \$0.56        | <b>\$0.56</b>  |
| A722 Chem       | Ferrochromium HC | .700          | \$1.00        | <b>\$1.00</b>  |
| A739 B22        | Ferromolybdenum  | 1.050         | \$24.40       |                |
|                 | Ferrochromium LC | 2.375         | \$5.94        | <b>\$30.34</b> |
| A860 Chem       | Ferrovandium     | .065          | \$0.56        | <b>\$0.56</b>  |
| AB/RQ3          | Ferrochromium HC | .175          | \$0.25        | <b>\$0.25</b>  |
| AB/RQ3S         | Ferromolybdenum  | .135          | \$3.14        |                |
|                 | Nickel           | .175          | \$0.92        |                |
|                 | Ferrochromium HC | .650          | \$0.93        | <b>\$4.99</b>  |
| ASTM A193 B16   | Ferromolybdenum  | .580          | \$13.48       |                |
|                 | Ferrovandium     | .300          | \$2.60        |                |
|                 | Ferrochromium HC | .980          | \$1.40        | <b>\$17.48</b> |
| BV/QR4          | Ferromolybdenum  | .425          | \$9.88        |                |
|                 | Nickel           | .600          | \$3.14        |                |
|                 | Ferrochromium HC | 1.150         | \$1.64        | <b>\$14.66</b> |
| C1022M          | Ferrochromium HC | .150          | \$0.21        | <b>\$0.21</b>  |



| Grade     | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-----------|------------------|---------------|---------------|----------------|
| C35 Mod   | Ferromolybdenum  | .050          | \$1.16        | <b>\$2.02</b>  |
|           | Ferrochromium HC | .600          | \$0.86        |                |
| C50 Mod   | Nickel           | .200          | \$1.05        | <b>\$1.44</b>  |
|           | Ferrochromium HC | .270          | \$0.39        |                |
| E4130VD   | Ferromolybdenum  | .220          | \$5.11        | <b>\$7.40</b>  |
|           | Nickel           | .150          | \$0.79        |                |
|           | Ferrochromium HC | 1.050         | \$1.50        |                |
| E4140     | Ferromolybdenum  | .200          | \$4.65        | <b>\$7.13</b>  |
|           | Nickel           | .200          | \$1.05        |                |
|           | Ferrochromium HC | 1.000         | \$1.43        |                |
| E4140M    | Ferromolybdenum  | .225          | \$5.23        | <b>\$9.19</b>  |
|           | Nickel           | .420          | \$2.20        |                |
|           | Ferrovandium     | .030          | \$0.26        |                |
|           | Ferrochromium HC | 1.050         | \$1.50        |                |
| E4145H    | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.01</b>  |
|           | Ferrochromium HC | .950          | \$1.36        |                |
| E4340     | Ferromolybdenum  | .250          | \$5.81        | <b>\$16.51</b> |
|           | Nickel           | 1.825         | \$9.56        |                |
|           | Ferrochromium HC | .800          | \$1.14        |                |
| E4340H    | Ferromolybdenum  | .275          | \$6.39        | <b>\$17.38</b> |
|           | Nickel           | 1.880         | \$9.85        |                |
|           | Ferrochromium HC | .800          | \$1.14        |                |
| E8615H BQ | Ferromolybdenum  | .200          | \$4.65        | <b>\$7.86</b>  |
|           | Nickel           | .475          | \$2.49        |                |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| E8720M    | Ferromolybdenum  | .250          | \$5.81        | <b>\$9.41</b>  |
|           | Nickel           | .550          | \$2.88        |                |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| ETN-22    | Ferromolybdenum  | .150          | \$3.49        | <b>\$4.21</b>  |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| ETN-22 BQ | Ferromolybdenum  | .150          | \$3.49        | <b>\$4.21</b>  |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| ETN-22 UC | Ferromolybdenum  | .150          | \$3.49        | <b>\$4.21</b>  |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| ETN-27    | Ferromolybdenum  | .150          | \$3.49        | <b>\$4.35</b>  |
|           | Ferrochromium HC | .600          | \$0.86        |                |
| EX15 QL3  | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.67</b>  |
|           | Ferrochromium HC | .500          | \$0.72        |                |
| EX15/4120 | Ferromolybdenum  | .165          | \$3.83        | <b>\$4.55</b>  |
|           | Ferrochromium HC | .500          | \$0.72        |                |



| Grade        | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|--------------|------------------|---------------|---------------|----------------|
| EX16         | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.67</b>  |
|              | Ferrochromium HC | .500          | \$0.72        |                |
| EX55H        | Ferromolybdenum  | .740          | \$17.20       | <b>\$27.76</b> |
|              | Nickel           | 1.830         | \$9.59        |                |
|              | Ferrochromium HC | .680          | \$0.97        |                |
| F11          | Ferromolybdenum  | .590          | \$13.71       | <b>\$17.09</b> |
|              | Ferrochromium LC | 1.350         | \$3.38        |                |
| F11 A182     | Ferromolybdenum  | .590          | \$13.71       | <b>\$17.09</b> |
|              | Ferrochromium LC | 1.350         | \$3.38        |                |
| F12          | Ferromolybdenum  | .550          | \$12.78       | <b>\$15.41</b> |
|              | Ferrochromium LC | 1.050         | \$2.63        |                |
| F1554 Gr 55  | Ferrovandium     | .070          | \$0.61        | <b>\$0.61</b>  |
| F22          | Ferromolybdenum  | 1.000         | \$23.24       | <b>\$29.12</b> |
|              | Ferrochromium LC | 2.350         | \$5.88        |                |
| F22 A182     | Ferromolybdenum  | 1.000         | \$23.24       | <b>\$29.12</b> |
|              | Ferrochromium LC | 2.350         | \$5.88        |                |
| F5           | Ferromolybdenum  | .550          | \$12.78       | <b>\$25.91</b> |
|              | Ferrochromium LC | 5.250         | \$13.13       |                |
| F9           | Ferromolybdenum  | 1.000         | \$23.24       | <b>\$45.74</b> |
|              | Ferrochromium LC | 9.000         | \$22.50       |                |
| F91          | Ferromolybdenum  | .950          | \$22.08       | <b>\$45.94</b> |
|              | Ferrovandium     | .215          | \$1.86        |                |
|              | Ferrochromium LC | 8.800         | \$22.00       |                |
| Grade 100    | Ferrovandium     | .230          | \$1.99        | <b>\$1.99</b>  |
| Grade 150    | Ferrochromium HC | .850          | \$1.22        | <b>\$1.22</b>  |
| Grade 160    | Ferrochromium HC | .850          | \$1.22        | <b>\$1.22</b>  |
| Grade 620    | Ferrovandium     | .085          | \$0.74        | <b>\$0.74</b>  |
| Grade 90     | Ferrovandium     | .175          | \$1.51        | <b>\$1.51</b>  |
| Grade 97     | Ferrovandium     | .175          | \$1.51        | <b>\$1.51</b>  |
| Grade 97/100 | Ferrovandium     | .178          | \$1.54        | <b>\$1.54</b>  |
| JDM A13C #14 | Ferrovandium     | .025          | \$0.22        | <b>\$0.22</b>  |
| LC75         | Ferromolybdenum  | .030          | \$0.70        | <b>\$1.65</b>  |
|              | Ferrovandium     | .110          | \$0.95        |                |



| Grade       | Alloy            | Nominal Value | Surcharge CWT | Total CWT      |
|-------------|------------------|---------------|---------------|----------------|
| N57M10      | Ferrochromium HC | .600          | \$0.86        | <b>\$0.86</b>  |
| N57M6       | Ferromolybdenum  | .120          | \$2.79        | <b>\$3.72</b>  |
|             | Ferrochromium HC | .650          | \$0.93        |                |
| No Grade    | Ferrovandium     | .070          | \$0.61        | <b>\$0.61</b>  |
| PS16RH      | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.67</b>  |
|             | Ferrochromium HC | .500          | \$0.72        |                |
| PS17        | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.67</b>  |
|             | Ferrochromium HC | .500          | \$0.72        |                |
| PS17 RH     | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.67</b>  |
|             | Ferrochromium HC | .500          | \$0.72        |                |
| PS18        | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.70</b>  |
|             | Ferrochromium HC | .525          | \$0.75        |                |
| PS18RH      | Ferromolybdenum  | .170          | \$3.95        | <b>\$4.70</b>  |
|             | Ferrochromium HC | .525          | \$0.75        |                |
| S45-MR #13  | Ferrovandium     | .075          | \$0.65        | <b>\$0.65</b>  |
| SA105       | Ferrovandium     | .012          | \$0.10        | <b>\$0.10</b>  |
| SA350 LF6   | Ferrovandium     | .045          | \$0.39        | <b>\$0.39</b>  |
| SBMA740     | Ferrovandium     | .050          | \$0.43        | <b>\$0.43</b>  |
| SCM420H     | Ferromolybdenum  | .200          | \$4.65        | <b>\$6.25</b>  |
|             | Ferrochromium HC | 1.120         | \$1.60        |                |
| SCR420      | Ferrochromium HC | 1.150         | \$1.64        | <b>\$1.64</b>  |
| SW85        | Ferrovandium     | .135          | \$1.17        | <b>\$1.17</b>  |
| T11 A213    | Ferromolybdenum  | .600          | \$13.94       | <b>\$17.32</b> |
|             | Ferrochromium LC | 1.350         | \$3.38        |                |
| T12 A213    | Ferromolybdenum  | .550          | \$12.78       | <b>\$15.41</b> |
|             | Ferrochromium LC | 1.050         | \$2.63        |                |
| T1A         | Ferromolybdenum  | .550          | \$12.78       | <b>\$12.78</b> |
| T2          | Ferromolybdenum  | .560          | \$13.01       | <b>\$13.94</b> |
|             | Ferrochromium HC | .650          | \$0.93        |                |
| T2 (7075-9) | Ferromolybdenum  | .560          | \$13.01       | <b>\$13.94</b> |
|             | Ferrochromium HC | .650          | \$0.93        |                |
| T2 A213     | Ferromolybdenum  | .560          | \$13.01       |                |



| Grade         | Alloy           | Nominal Value | Surcharge CWT | Total CWT      |
|---------------|-----------------|---------------|---------------|----------------|
| T2 A213       | Ferchromium HC  | .650          | \$0.93        | <b>\$13.94</b> |
| T22 A213      | Ferromolybdenum | 1.000         | \$23.24       | <b>\$29.12</b> |
|               | Ferchromium LC  | 2.350         | \$5.88        |                |
| T5 A213       | Ferromolybdenum | .550          | \$12.78       | <b>\$25.91</b> |
|               | Ferchromium LC  | 5.250         | \$13.13       |                |
| T9 A213       | Ferromolybdenum | 1.000         | \$23.24       | <b>\$45.74</b> |
|               | Ferchromium LC  | 9.000         | \$22.50       |                |
| T91 A213      | Ferromolybdenum | .950          | \$22.08       | <b>\$45.94</b> |
|               | Ferovanadium    | .215          | \$1.86        |                |
|               | Ferchromium LC  | 8.800         | \$22.00       |                |
| V1027 Mod #16 | Ferovanadium    | .025          | \$0.22        | <b>\$0.22</b>  |
| ZF34C         | Ferromolybdenum | .050          | \$1.16        | <b>\$2.02</b>  |
|               | Ferchromium HC  | .600          | \$0.86        |                |