



November 13, 2020

December 2020 Scrap Surcharge Announcement

To You, Our Valued Customer:

Effective with shipments January 1, 2007 the scrap surcharge will be calculated monthly using a base of \$115.00/ton. It will be based on the average price for # 1 bundles as published in the AMM on the 10th of each month for Chicago, Cleveland, and Pittsburgh.

As of November 10, 2020, the three-city average for No.1 Bundles was \$302.00 ton. Using our revised method, the December 2020 scrap surcharge for SBQ product is \$187.00/ton (\$9.35/cwt). This represents an increase from November 2020.

We appreciate your business and continued support.

Sincerely,

Jeff Cordill
Sales & Marketing Manager



November 13, 2020

December 2020 Alloy Surcharge Announcement

Effective December 1, 2020 alloy surcharges on Ferromolybdenum, Nickel, LC & HC ferrochrome, HC ferromanganese and Ferrovandium are outlined as follows. Alloy surcharges will be calculated monthly and charged as a separate line item to each invoice based on the steel grade.

- The base cost or trigger point for Ferromolybdenum is \$4.00/lb, Nickel is \$3.50/lb, Ferrovandium is \$6.00/lb, HC Ferrochrome is \$0.50/LB, LC ferrochrome is \$0.75/lb, and HC ferromanganese \$0.40/lb.
- The yield factor is 85% on Ferromolybdenum, Nickel, Ferrovandium, and HC ferromanganese, 70% on Ferrochrome.
- The source of the current market price for Ferromolybdenum, Ferrovandium, Ferrochrome, and HC Ferromanganese is the mid-point in the range of CRU, as published on the Friday closest to the 10th of the preceding month.
- The source of the market price of nickel is the London Metal Exchange average cash buyer average for the first ten days of the preceding month.
- The alloy surcharges are calculated by using these published prices, less the base cost, divided by the yield factor, then multiplied by the mid-point of the alloy bearing grade range. This cwt surcharge is then converted to a price per ton.
- The HC Ferromanganese surcharge is based on the minimum weight addition for all grades.

| | *LC ferrochrome | HC ferrochrome | Ferro molybdenum | Nickel | Ferro vanadium | HC ferromanganese |
|---------------------------------------|-----------------|----------------|------------------|--------|----------------|-------------------|
| November 13 th Index Value | 1.63 | \$.92 | \$10.36 | \$7.03 | \$10.23 | \$.72 |
| Base Value | \$0.75 | \$0.50 | \$4.00 | \$3.50 | \$6.00 | \$0.40 |
| Yield Factor | 70% | 70% | 85% | 85% | 85% | 85% |
| December 2020 Surcharge/lb. | \$1.26 | \$.59 | \$7.49 | \$4.15 | \$4.97 | \$0.17cwt |

The calculations shown refer only to standard AISI grades and should be used as a guideline only. Actual surcharges will be based on individual specifications and their respective alloy content.

To address the volatility and unprecedented costs associated with Ferrochrome, Ferromolybdenum, Nickel, Ferrovandium and HC ferromanganese, effective July 1, 2007 we will review alloy surcharges on the 10th of each month for prompt orders. Prompt orders are defined as orders received and acknowledged after the 10th of the month to be produced and shipped in the current month. A deviation greater than 5% from our published index values, for the month, will result in applying the new surcharge value for the balance of the month. *LC ferrochrome is specified for certain Melt Grades and will be priced accordingly.



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|----------------------------------|----------------|-------------------|-----------|
| 1022M Ni | Nickel | .275 | \$1.14 | \$1.14 |
| 1033V | Ferrovandium | .125 | \$0.62 | \$0.62 |
| 1045 V FG | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 10V18 | Ferrovandium | .060 | \$0.30 | \$0.30 |
| 10V40 QL2 | Ferrovandium | .100 | \$0.50 | \$0.50 |
| 10V43 B156 | Ferrovandium | .095 | \$0.47 | \$0.47 |
| 10V45 | Ferrovandium | .100 | \$0.50 | \$0.50 |
| 10V45 QL2 | Ferrovandium | .100 | \$0.50 | \$0.50 |
| 10V45 RES10172 | Ferrovandium | .150 | \$0.75 | \$0.75 |
| 10V50 | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 1141 V FG | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 1141 V FG QL2 | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 1144 V FG | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 11V41 | Ferrovandium | .090 | \$0.45 | \$0.45 |
| 11V41 QL2 | Ferrovandium | .090 | \$0.45 | \$0.45 |
| 13% Chrome | Ferrovandium Ferrochromium LC | .070 13.250 | \$0.35 \$16.70 | \$17.05 |
| 13%Cr/420 Mod | Ferrochromium LC | 13.250 | \$16.70 | \$16.70 |
| 1518-7 | Ferrovandium | .075 | \$0.37 | \$0.37 |
| 1518M | Ferrovandium Ferrochromium HC | .020 .220 | \$0.10 \$0.13 | \$0.23 |
| 1522 MOD | Ferrovandium | .015 | \$0.07 | \$0.07 |
| 1522M | Ferrovandium | .075 | \$0.37 | \$0.37 |
| 1537HC | Ferrochromium HC | .400 | \$0.24 | \$0.24 |
| 1538MV | Ferrovandium Ferrochromium HC | .100 .150 | \$0.50 \$0.09 | \$0.59 |
| 1590 UHC | Ferrochromium HC | .280 | \$0.17 | \$0.17 |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|----------------------------------|---------------|------------------|-----------|
| 15B28 Mod | Ferromolybdenum | .150 | \$1.12 | \$1.12 |
| 15B29 Mod | Ferromolybdenum | .150 | \$1.12 | \$1.12 |
| 15B35 | Ferrochromium HC | .550 | \$0.32 | \$0.32 |
| 15V10M | Ferrovandium | .030 | \$0.15 | \$0.15 |
| 15V16 | Ferrovandium | .085 | \$0.42 | \$0.42 |
| 15V16 LF6 | Ferrovandium | .085 | \$0.42 | \$0.42 |
| 15V18 | Ferrovandium | .075 | \$0.37 | \$0.37 |
| 15V20M | Ferrovandium | .100 | \$0.50 | \$0.50 |
| 15V22 PT | Ferrovandium | .055 | \$0.27 | \$0.27 |
| 15V24 | Ferrovandium | .075 | \$0.37 | \$0.37 |
| 15V24 Mod | Ferrovandium | .150 | \$0.75 | \$0.75 |
| 15V24M | Ferrovandium | .135 | \$0.67 | \$0.67 |
| 15V27M | Ferrovandium | .075 | \$0.37 | \$0.37 |
| 15V30 | Ferrovandium | .135 | \$0.67 | \$0.67 |
| 15V30 Mod | Ferrovandium | .135 | \$0.67 | \$0.67 |
| 15V30M | Ferrovandium | .190 | \$0.94 | \$0.94 |
| 15V37M 1E1586 | Ferrovandium | .085 | \$0.42 | \$0.42 |
| 15V38 C38 Mod | Ferrovandium Ferrochromium HC | .100 .150 | \$0.50 \$0.09 | \$0.59 |
| 15V38M | Ferrovandium | .090 | \$0.45 | \$0.45 |
| 15V44 C44 Mod | Ferrovandium Ferrochromium HC | .145 .250 | \$0.72 \$0.15 | \$0.87 |
| 15V45M | Ferrovandium | .125 | \$0.62 | \$0.62 |
| 15V45M 1E1106 | Ferrovandium | .130 | \$0.65 | \$0.65 |
| 16MnCr5 | Ferrochromium HC | 1.050 | \$0.62 | \$0.62 |
| 16MnCrS5 | Ferrochromium HC | 1.050 | \$0.62 | \$0.62 |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|-----------------|---------------|---------------|---------------|
| 17MnV7 | Ferrovandium | .120 | \$0.60 | \$0.60 |
| 18CrNiMo7-6 | Ferromolybdenum | .300 | \$2.25 | |
| | Nickel | 1.550 | \$6.43 | |
| | Ferrocromium HC | 1.650 | \$0.97 | \$9.65 |
| 1E1371 | Ferromolybdenum | .350 | \$2.62 | |
| | Ferrovandium | .095 | \$0.47 | |
| | Ferrocromium HC | 1.800 | \$1.06 | \$4.15 |
| 1E1497 | Ferrovandium | .100 | \$0.50 | |
| | Ferrocromium HC | .150 | \$0.09 | \$0.59 |
| 20MNCr5 | Ferrocromium HC | 1.200 | \$0.71 | \$0.71 |
| 20MnCrS5 | Ferrocromium HC | 1.150 | \$0.68 | \$0.68 |
| 25MoCr4 | Ferromolybdenum | .440 | \$3.30 | |
| | Ferrocromium HC | .900 | \$0.53 | \$3.83 |
| 25MoCr4 Ver 50 | Ferromolybdenum | .425 | \$3.18 | |
| | Ferrocromium HC | .870 | \$0.51 | \$3.69 |
| 25MoCrS4 Hay1 | Ferromolybdenum | .425 | \$3.18 | |
| | Ferrocromium HC | .950 | \$0.56 | \$3.74 |
| 25MoCrS4 Hay2 | Ferromolybdenum | .425 | \$3.18 | |
| | Ferrocromium HC | .950 | \$0.56 | \$3.74 |
| 30MnVS6 | Ferrovandium | .115 | \$0.57 | \$0.57 |
| 30MnVS6-VD | Ferrovandium | .110 | \$0.55 | \$0.55 |
| 35MnVS4 | Ferrovandium | .200 | \$0.99 | |
| | Ferrocromium HC | .150 | \$0.09 | \$1.08 |
| 38MnSiVS5 | Ferrovandium | .110 | \$0.55 | \$0.55 |
| 38MnVS6 | Ferrovandium | .110 | \$0.55 | \$0.55 |
| 4023 | Ferromolybdenum | .250 | \$1.87 | \$1.87 |
| 4027 | Ferromolybdenum | .260 | \$1.95 | \$1.95 |
| 40BV40 Mod | Ferromolybdenum | .355 | \$2.66 | |
| | Ferrovandium | .100 | \$0.50 | \$3.16 |
| 40BV40M 1E4146 | Ferromolybdenum | .355 | \$2.66 | |
| | Ferrovandium | .100 | \$0.50 | \$3.16 |
| 4118 | Ferromolybdenum | .115 | \$0.86 | |
| | Ferrocromium HC | .500 | \$0.30 | \$1.16 |
| 4118-8/BQ | Ferromolybdenum | .115 | \$0.86 | |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-----------------|------------------|---------------|---------------|---------------|
| 4118-8/BQ | Ferrochromium HC | .500 | \$0.30 | \$1.16 |
| 4118/4118-2 | Ferromolybdenum | .115 | \$0.86 | \$1.16 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4120 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4120 QL2 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4120 QL3 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4120H B81 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4120H QL2 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4120M | Ferromolybdenum | .175 | \$1.31 | \$1.61 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4120M 1E1120 | Ferromolybdenum | .165 | \$1.24 | \$1.58 |
| | Ferrochromium HC | .575 | \$0.34 | |
| 4120RH QL4 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .520 | \$0.31 | |
| 4122M | Ferromolybdenum | .170 | \$1.27 | \$1.57 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4122M 1E0778 | Ferromolybdenum | .225 | \$1.69 | \$2.18 |
| | Ferrochromium HC | .825 | \$0.49 | |
| 4122M 1E1054 | Ferromolybdenum | .325 | \$2.43 | \$2.98 |
| | Ferrochromium HC | .925 | \$0.55 | |
| 4122M B222-6(F) | Ferromolybdenum | .170 | \$1.27 | \$1.54 |
| | Ferrochromium HC | .450 | \$0.27 | |
| 4124 M | Ferromolybdenum | .400 | \$3.00 | \$4.45 |
| | Nickel | .205 | \$0.85 | |
| | Ferrochromium HC | 1.025 | \$0.60 | |
| 4124M | Ferromolybdenum | .170 | \$1.27 | \$1.65 |
| | Ferrochromium HC | .650 | \$0.38 | |
| 4124M B222 | Ferromolybdenum | .170 | \$1.27 | \$1.65 |
| | Ferrochromium HC | .650 | \$0.38 | |
| 4124M B222-5(F) | Ferromolybdenum | .170 | \$1.27 | \$1.61 |
| | Ferrochromium HC | .580 | \$0.34 | |
| 4124M B222-5mod | Ferromolybdenum | .170 | \$1.27 | |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-----------------|-----------------|---------------|---------------|---------------|
| 4124M B222-5mod | Ferchromium HC | .630 | \$0.37 | \$1.64 |
| 4124M B222-7(F) | Ferromolybdenum | .170 | \$1.27 | \$1.61 |
| | Ferchromium HC | .580 | \$0.34 | |
| 4124M B222-8 | Ferromolybdenum | .300 | \$2.25 | \$2.66 |
| | Ferchromium HC | .700 | \$0.41 | |
| 4128 | Ferromolybdenum | .350 | \$2.62 | \$4.15 |
| | Ferovanadium | .095 | \$0.47 | |
| | Ferchromium HC | 1.800 | \$1.06 | |
| 4128M | Ferromolybdenum | .390 | \$2.92 | \$4.48 |
| | Ferovanadium | .100 | \$0.50 | |
| | Ferchromium HC | 1.800 | \$1.06 | |
| 4129M | Ferromolybdenum | .300 | \$2.25 | \$2.96 |
| | Ferchromium HC | 1.200 | \$0.71 | |
| 4130 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 1E1058 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 1E2737 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 AQ | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 CF-003 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 CGL-2 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 ES-330 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 ES220 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 MBQ | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4130 Mod | Ferromolybdenum | .650 | \$4.87 | \$5.46 |
| | Ferchromium HC | 1.000 | \$0.59 | |
| 4130 TW051592 | Ferromolybdenum | .220 | \$1.65 | \$2.24 |
| | Ferchromium HC | 1.000 | \$0.59 | |
| 4130-4 MS | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|------------------|---------------|---------------|---------------|
| 4130-5/4130 | Ferromolybdenum | .200 | \$1.50 | \$2.11 |
| | Ferrochromium HC | 1.040 | \$0.61 | |
| 4130-6/4130 | Ferromolybdenum | .200 | \$1.50 | \$2.11 |
| | Ferrochromium HC | 1.040 | \$0.61 | |
| 4130-9/4130M | Ferromolybdenum | .225 | \$1.69 | \$3.11 |
| | Nickel | .200 | \$0.83 | |
| | Ferrochromium HC | 1.000 | \$0.59 | |
| 4130/4130H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130A | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130B AQ | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130B Mod | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130I | Ferromolybdenum | .700 | \$5.24 | \$6.04 |
| | Ferrochromium HC | 1.350 | \$0.80 | |
| 4130M | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130M 1E2737 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130M TW032808 | Ferromolybdenum | .220 | \$1.65 | \$2.57 |
| | Ferrovandium | .060 | \$0.30 | |
| | Ferrochromium HC | 1.050 | \$0.62 | |
| 4130M TW061206 | Ferromolybdenum | .275 | \$2.06 | \$2.91 |
| | Ferrovandium | .040 | \$0.20 | |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 4130M7 | Ferromolybdenum | .700 | \$5.24 | \$6.04 |
| | Ferrochromium HC | 1.350 | \$0.80 | |
| 4130RH | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4130U | Ferromolybdenum | .225 | \$1.69 | \$2.25 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4132 M | Ferromolybdenum | .650 | \$4.87 | \$5.61 |
| | Ferrochromium HC | 1.250 | \$0.74 | |
| 4132 MS362 | Ferromolybdenum | .650 | \$4.87 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|-----------------|---------------|---------------|---------------|
| 4132 MS362 | Ferrocromium HC | 1.250 | \$0.74 | \$5.61 |
| 4132M | Ferromolybdenum | .425 | \$3.18 | |
| | Nickel | 1.275 | \$5.29 | |
| | Ferrocromium HC | 1.025 | \$0.60 | \$9.07 |
| 4135 | Ferromolybdenum | .315 | \$2.36 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$3.01 |
| 4135 B73 | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | 1.000 | \$0.59 | \$2.09 |
| 4135H Mod | Ferromolybdenum | .315 | \$2.36 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$3.01 |
| 4135H QL2 | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | .950 | \$0.56 | \$2.06 |
| 4137 | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | .950 | \$0.56 | \$2.06 |
| 4137 M | Ferromolybdenum | .275 | \$2.06 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.71 |
| 4137 MS303 | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.90 |
| 4137 MS309 | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.90 |
| 4137 MS371 | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.90 |
| 4137 Mod | Ferromolybdenum | .325 | \$2.43 | |
| | Ferrocromium HC | 1.125 | \$0.66 | \$3.09 |
| 4137H | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | .950 | \$0.56 | \$2.06 |
| 4137M | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.90 |
| 4137M 341 | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.050 | \$0.62 | \$2.87 |
| 4137M MS364 | Ferromolybdenum | .300 | \$2.25 | |
| | Ferrocromium HC | 1.100 | \$0.65 | \$2.90 |
| 4137RS | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | .950 | \$0.56 | \$2.06 |
| 4140 | Ferromolybdenum | .200 | \$1.50 | |
| | Ferrocromium HC | .950 | \$0.56 | \$2.06 |
| 4140 1E1636 | Ferromolybdenum | .200 | \$1.50 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|---|----------------------|----------------------------|---------------|
| 4140 1E1636 | Ferrochromium HC | .950 | \$0.56 | \$2.06 |
| 4140 1E509 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 A1 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 AQ | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 BQ | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 CF-001 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 ES-324 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 ES-325 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 LS | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 M | Ferromolybdenum Nickel Ferrochromium HC | .200 .350 .550 | \$1.50 \$1.45 \$0.32 | \$3.27 |
| 4140 MS450 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 Off Chem | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 QL2 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140 QL3 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140/4140H | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140/4142 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140/4142H | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140/42 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| 4140A | Ferromolybdenum | .200 | \$1.50 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|-----------------|---------------|---------------|---------------|
| 4140A | Ferchromium HC | .950 | \$0.56 | \$2.06 |
| 4140B | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140H B74-1 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140H QL2 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140H QL3 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140H/42 QL2 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140M | Ferromolybdenum | .250 | \$1.87 | \$2.52 |
| | Ferchromium HC | 1.100 | \$0.65 | |
| 4140M B74-R | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140M S315 | Ferromolybdenum | .200 | \$1.50 | \$2.99 |
| | Nickel | .200 | \$0.83 | |
| | Ferovanadium | .020 | \$0.10 | |
| | Ferchromium HC | .950 | \$0.56 | |
| 4140RS | Ferromolybdenum | .200 | \$1.50 | \$2.12 |
| | Ferchromium HC | 1.050 | \$0.62 | |
| 4141-5/4140 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4141H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4142 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4142/4145H Mod | Ferromolybdenum | .300 | \$2.25 | \$2.90 |
| | Ferchromium HC | 1.100 | \$0.65 | |
| 4145 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4145 1E0598 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |
| 4145H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferchromium HC | .950 | \$0.56 | |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|------------------|---------------|---------------|---------------|
| 4145H Mod | Ferromolybdenum | .300 | \$2.25 | \$2.90 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 4145H QL2 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4145M | Ferromolybdenum | .250 | \$1.87 | \$2.52 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 4145M 346 | Ferromolybdenum | .310 | \$2.32 | \$2.97 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 4150 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4150H | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4150H 1E9999 | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4150H AQ | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 4150RS | Ferromolybdenum | .200 | \$1.50 | \$2.00 |
| | Ferrochromium HC | .850 | \$0.50 | |
| 4161 1E0490 | Ferromolybdenum | .300 | \$2.25 | \$2.72 |
| | Ferrochromium HC | .800 | \$0.47 | |
| 4161/4161H | Ferromolybdenum | .300 | \$2.25 | \$2.72 |
| | Ferrochromium HC | .800 | \$0.47 | |
| 4162 | Ferromolybdenum | .200 | \$1.50 | \$2.93 |
| | Nickel | .200 | \$0.83 | |
| | Ferrochromium HC | 1.025 | \$0.60 | |
| 4163M | Ferromolybdenum | .150 | \$1.12 | \$1.84 |
| | Ferrovandium | .050 | \$0.25 | |
| | Ferrochromium HC | .800 | \$0.47 | |
| 4164M | Ferromolybdenum | .080 | \$0.60 | \$1.48 |
| | Ferrovandium | .065 | \$0.32 | |
| | Ferrochromium HC | .950 | \$0.56 | |
| 41B17 1E0951 | Ferromolybdenum | .150 | \$1.12 | \$1.43 |
| | Ferrochromium HC | .525 | \$0.31 | |
| 41B30M | Ferromolybdenum | .200 | \$1.50 | \$2.06 |
| | Ferrochromium HC | .950 | \$0.56 | |
| 41B30M 1E0997 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrochromium HC | .525 | \$0.31 | |
| 41B30M 1E1671 | Ferromolybdenum | .170 | \$1.27 | |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|------------------|---------------|---------------|----------------|
| 41B30M 1E1671 | Ferrochromium HC | .525 | \$0.31 | \$1.58 |
| 41B30M QL3 | Ferromolybdenum | .160 | \$1.20 | \$1.52 |
| | Ferrochromium HC | .550 | \$0.32 | |
| 41B31M | Ferromolybdenum | .375 | \$2.81 | \$3.75 |
| | Ferrochromium HC | 1.600 | \$0.94 | |
| 41B32M | Ferromolybdenum | .425 | \$3.18 | \$9.07 |
| | Nickel | 1.275 | \$5.29 | |
| | Ferrochromium HC | 1.025 | \$0.60 | |
| 41B33M 1E4415 | Ferromolybdenum | .165 | \$1.24 | \$1.55 |
| | Ferrochromium HC | .525 | \$0.31 | |
| 41B35M 1E1013 | Ferromolybdenum | .075 | \$0.56 | \$0.86 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 41V37 Mod | Ferromolybdenum | .325 | \$2.43 | \$3.25 |
| | Ferrovandium | .040 | \$0.20 | |
| | Ferrochromium HC | 1.050 | \$0.62 | |
| 42CrMo4 | Ferromolybdenum | .200 | \$1.50 | \$2.15 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 42CrMo4 1E2765 | Ferromolybdenum | .200 | \$1.50 | \$2.15 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 42CrMo4 Ver10 | Ferromolybdenum | .175 | \$1.31 | \$1.96 |
| | Ferrochromium HC | 1.100 | \$0.65 | |
| 42CrMoS4 | Ferromolybdenum | .200 | \$1.50 | \$2.12 |
| | Ferrochromium HC | 1.050 | \$0.62 | |
| 4317M2 | Ferromolybdenum | .725 | \$5.43 | \$12.90 |
| | Nickel | 1.725 | \$7.16 | |
| | Ferrochromium HC | .525 | \$0.31 | |
| 4320 | Ferromolybdenum | .250 | \$1.87 | \$9.74 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4320 QL3 | Ferromolybdenum | .250 | \$1.87 | \$9.74 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4320H | Ferromolybdenum | .250 | \$1.87 | \$9.74 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4320H B46 | Ferromolybdenum | .250 | \$1.87 | \$9.74 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 4320H BQ | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|-----------------|---------------|---------------|----------------|
| 4320H BQ | Ferchromium HC | .500 | \$0.30 | \$9.74 |
| 4320H QL3 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .500 | \$0.30 | \$9.74 |
| 4320M | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.025 | \$4.25 | |
| | Ferchromium HC | 1.025 | \$0.60 | \$6.72 |
| 4320RH | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.830 | \$7.59 | |
| | Ferchromium HC | .500 | \$0.30 | \$9.76 |
| 4330V | Ferromolybdenum | .430 | \$3.22 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferovanadium | .075 | \$0.37 | |
| | Ferchromium HC | .870 | \$0.51 | \$11.67 |
| 4340 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4340 1E0830 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4340 AQ | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4340 QL2 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4340 QL3 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4340H | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4350H | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 4352 AQ | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .800 | \$0.47 | \$9.91 |
| 43B20 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .500 | \$0.30 | \$9.74 |
| 43V30 Mod | Ferromolybdenum | .530 | \$3.97 | |
| | Nickel | 2.500 | \$10.38 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|-----------------|---------------|---------------|----------------|
| 43V30 Mod | Ferrovandium | .090 | \$0.45 | \$15.36 |
| | Ferchromium HC | .950 | \$0.56 | |
| 44W | Ferrovandium | .025 | \$0.12 | \$0.12 |
| 4620 QL3 | Ferromolybdenum | .250 | \$1.87 | \$9.44 |
| | Nickel | 1.825 | \$7.57 | |
| 4623 | Ferromolybdenum | .180 | \$1.35 | \$9.20 |
| | Nickel | 1.820 | \$7.55 | |
| | Ferrovandium | .060 | \$0.30 | |
| 4625 AMS 6418 | Ferromolybdenum | .400 | \$3.00 | \$10.75 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .300 | \$0.18 | |
| 4625 IR458 | Ferromolybdenum | .400 | \$3.00 | \$10.75 |
| | Nickel | 1.825 | \$7.57 | |
| | Ferchromium HC | .300 | \$0.18 | |
| 4715 | Ferromolybdenum | .520 | \$3.89 | \$7.74 |
| | Nickel | .850 | \$3.53 | |
| | Ferchromium HC | .550 | \$0.32 | |
| 4715M | Ferromolybdenum | .560 | \$4.19 | \$8.37 |
| | Nickel | .930 | \$3.86 | |
| | Ferchromium HC | .550 | \$0.32 | |
| 47V15 | Ferromolybdenum | .550 | \$4.12 | \$8.41 |
| | Nickel | .900 | \$3.74 | |
| | Ferrovandium | .040 | \$0.20 | |
| | Ferchromium HC | .600 | \$0.35 | |
| 4815H | Ferromolybdenum | .250 | \$1.87 | \$16.19 |
| | Nickel | 3.450 | \$14.32 | |
| 4817 | Ferromolybdenum | .250 | \$1.87 | \$16.40 |
| | Nickel | 3.500 | \$14.53 | |
| 4817RH | Ferromolybdenum | .250 | \$1.87 | \$16.40 |
| | Nickel | 3.500 | \$14.53 | |
| 50B35 1E1201 | Ferchromium HC | .480 | \$0.28 | \$0.28 |
| 5119 | Ferchromium HC | .800 | \$0.47 | \$0.47 |
| 5119R | Ferchromium HC | .900 | \$0.53 | \$0.53 |
| 5120 | Ferchromium HC | .800 | \$0.47 | \$0.47 |
| 5120H | Ferchromium HC | .800 | \$0.47 | \$0.47 |
| 5120M | Ferchromium HC | 1.050 | \$0.62 | \$0.62 |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|--------------|---|-----------------------|----------------------------|---------------|
| 5124 | Ferrochromium HC | .800 | \$0.47 | \$0.47 |
| 5125RH | Ferrochromium HC | 1.100 | \$0.65 | \$0.65 |
| 5130 | Ferrochromium HC | .950 | \$0.56 | \$0.56 |
| 5130-4 | Ferrochromium HC | .950 | \$0.56 | \$0.56 |
| 5130/5130H | Ferrochromium HC | .950 | \$0.56 | \$0.56 |
| 5130H Mod | Ferrochromium HC | .975 | \$0.58 | \$0.58 |
| 5140 | Ferrochromium HC | .800 | \$0.47 | \$0.47 |
| 5160 | Ferrochromium HC | .875 | \$0.52 | \$0.52 |
| 5160H | Ferrochromium HC | .875 | \$0.52 | \$0.52 |
| 5160H Mod | Ferrochromium HC | .950 | \$0.56 | \$0.56 |
| 51B60H | Ferrochromium HC | .800 | \$0.47 | \$0.47 |
| 51CrV4 | Ferrovandium Ferrochromium HC | .130 1.050 | \$0.65 \$0.62 | \$1.27 |
| 51V30M | Ferrovandium Ferrochromium HC | .105 1.100 | \$0.52 \$0.65 | \$1.17 |
| 52100 | Ferrochromium HC | 1.450 | \$0.86 | \$0.86 |
| 52CrMoV4 | Ferromolybdenum Ferrovandium Ferrochromium HC | .225 .130 1.050 | \$1.69 \$0.65 \$0.62 | \$2.96 |
| 58CrMoV4 | Ferromolybdenum Ferrovandium Ferrochromium HC | .175 .125 .970 | \$1.31 \$0.62 \$0.57 | \$2.50 |
| 6175 Mod | Ferrovandium Ferrochromium HC | .175 1.125 | \$0.87 \$0.66 | \$1.53 |
| 6330 | Ferromolybdenum Ferrovandium Ferrochromium HC | .500 .250 1.350 | \$3.75 \$1.24 \$0.80 | \$5.79 |
| 7474-5/4130M | Ferromolybdenum Nickel Ferrochromium HC | .225 .200 1.000 | \$1.69 \$0.83 \$0.59 | \$3.11 |
| 8616 Mod | Ferromolybdenum Nickel | .200 .200 | \$1.50 \$0.83 | \$2.33 |
| 8617 | Ferromolybdenum Nickel | .200 .550 | \$1.50 \$2.28 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|-----------------|---------------|---------------|---------------|
| 8617 | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8617/8620H | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8617H AQ | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8617H/8620 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8619 A534 BQ | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8619H BQ QL3 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 1E2743 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 A2 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 BQ | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 FG | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 MAT 1052 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 MS450 -B | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 Off-Heat | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferchromium HC | .500 | \$0.30 | \$4.08 |
| 8620 QL2 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|-----------------|---------------|---------------|---------------|
| 8620 QL2 | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620 QL3 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620 QL4 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/20H QL2 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/22 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/22 QL2 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/8620H | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/8620H QL3 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/8622H | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/8622H QL2 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620/8622H QL3 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620BQ 1E4180 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620H | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620H A534 BQ | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |
| | Ferrocromium HC | .500 | \$0.30 | \$4.08 |
| 8620H B81 | Ferromolybdenum | .200 | \$1.50 | |
| | Nickel | .550 | \$2.28 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|------------------|---------------|---------------|---------------|
| 8620H B81 | Ferrochromium HC | .500 | \$0.30 | \$4.08 |
| 8620H QL3 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8620H/8720H | Ferromolybdenum | .225 | \$1.69 | \$4.29 |
| | Nickel | .550 | \$2.28 | |
| | Ferrovandium | .005 | \$0.02 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8620M | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8620M B81 | Ferromolybdenum | .220 | \$1.65 | \$4.58 |
| | Nickel | .630 | \$2.61 | |
| | Ferrochromium HC | .550 | \$0.32 | |
| 8620RH | Ferromolybdenum | .200 | \$1.50 | \$4.10 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .550 | \$0.32 | |
| 8622H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8622M | Ferromolybdenum | .250 | \$1.87 | \$5.15 |
| | Nickel | .600 | \$2.49 | |
| | Ferrovandium | .040 | \$0.20 | |
| | Ferrochromium HC | 1.000 | \$0.59 | |
| 8622RH | Ferromolybdenum | .200 | \$1.50 | \$4.10 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .550 | \$0.32 | |
| 8625 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8625H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8627H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8630 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8630 CGL-6 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8630 QL3 | Ferromolybdenum | .200 | \$1.50 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|------------------|---------------|---------------|---------------|
| 8630 QL3 | Nickel | .550 | \$2.28 | \$4.08 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8630H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8637 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8637H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8637RC | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8640 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8640/8740 | Ferromolybdenum | .225 | \$1.69 | \$4.27 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8650 | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8650 AQ | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 86B20H | Ferromolybdenum | .200 | \$1.50 | \$4.09 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .525 | \$0.31 | |
| 86B30H | Ferromolybdenum | .200 | \$1.50 | \$4.08 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 86V53M KJ8X | Ferromolybdenum | .500 | \$3.75 | \$7.63 |
| | Nickel | .500 | \$2.08 | |
| | Ferrovandium | .150 | \$0.75 | |
| | Ferrochromium HC | 1.775 | \$1.05 | |
| 8720 | Ferromolybdenum | .250 | \$1.87 | \$4.45 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8740 | Ferromolybdenum | .250 | \$1.87 | \$4.45 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822H | Ferromolybdenum | .350 | \$2.62 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------|------------------|---------------|---------------|----------------|
| 8822H | Nickel | .500 | \$2.08 | \$5.00 |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822H B79 | Ferromolybdenum | .350 | \$2.62 | \$5.00 |
| | Nickel | .500 | \$2.08 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822H B79-1 | Ferromolybdenum | .350 | \$2.62 | \$5.01 |
| | Nickel | .500 | \$2.08 | |
| | Ferrochromium HC | .530 | \$0.31 | |
| 8822H BQ | Ferromolybdenum | .350 | \$2.62 | \$5.20 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822H QL2 | Ferromolybdenum | .350 | \$2.62 | \$5.20 |
| | Nickel | .550 | \$2.28 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822H QL3 | Ferromolybdenum | .350 | \$2.62 | \$5.00 |
| | Nickel | .500 | \$2.08 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 8822RH | Ferromolybdenum | .350 | \$2.62 | \$5.00 |
| | Nickel | .500 | \$2.08 | |
| | Ferrochromium HC | .500 | \$0.30 | |
| 9254 | Ferrochromium HC | .700 | \$0.41 | \$0.41 |
| 9310 | Ferromolybdenum | .115 | \$0.86 | \$15.06 |
| | Nickel | 3.250 | \$13.49 | |
| | Ferrochromium HC | 1.200 | \$0.71 | |
| 9313/9313H | Ferromolybdenum | .120 | \$0.90 | \$15.45 |
| | Nickel | 3.250 | \$13.49 | |
| | Ferrovandium | .040 | \$0.20 | |
| | Ferrochromium HC | 1.450 | \$0.86 | |
| 9315H | Ferromolybdenum | .115 | \$0.86 | \$16.27 |
| | Nickel | 3.325 | \$13.80 | |
| | Ferrochromium LC | 1.275 | \$1.61 | |
| 9350 | Ferromolybdenum | .115 | \$0.86 | \$15.31 |
| | Nickel | 3.250 | \$13.49 | |
| | Ferrovandium | .045 | \$0.22 | |
| | Ferrochromium HC | 1.250 | \$0.74 | |
| A350 LF6 Chem | Ferrovandium | .075 | \$0.37 | \$0.37 |
| A572 58Y | Ferrovandium | .070 | \$0.35 | \$0.35 |
| A572 GR50 | Ferrovandium | .015 | \$0.07 | \$0.07 |
| A572 Gr 42 T2 | Ferrovandium | .015 | \$0.07 | \$0.07 |

| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|----------------|--|-------------------------------|--------------------------------------|----------------|
| A572 Gr42 | Ferrovandium | .015 | \$0.07 | \$0.07 |
| A572 Gr50 T2 | Ferrovandium | .015 | \$0.07 | \$0.07 |
| A572 Gr60 Chem | Ferrovandium | .070 | \$0.35 | \$0.35 |
| A572Gr50 Chem | Ferrovandium | .070 | \$0.35 | \$0.35 |
| A572M 58Y | Ferrovandium | .070 | \$0.35 | \$0.35 |
| A572M Gr 60 | Ferrovandium | .070 | \$0.35 | \$0.35 |
| A588 Gr A | Ferrovandium Ferrochromium HC | .060 .550 | \$0.30 \$0.32 | \$0.62 |
| A588 Gr B | Ferrovandium Ferrochromium HC | .060 .550 | \$0.30 \$0.32 | \$0.62 |
| A588/709 50W | Ferrovandium Ferrochromium HC | .060 .550 | \$0.30 \$0.32 | \$0.62 |
| A615 Gr 75 | Ferrovandium | .115 | \$0.57 | \$0.57 |
| A615 Gr 80 | Ferrovandium | .050 | \$0.25 | \$0.25 |
| A615 Gr80 | Ferrovandium | .110 | \$0.55 | \$0.55 |
| A706 Gr 80 | Ferrovandium | .110 | \$0.55 | \$0.55 |
| A707 L3 | Ferrovandium | .065 | \$0.32 | \$0.32 |
| A722 Chem | Ferrochromium HC | .700 | \$0.41 | \$0.41 |
| A739 B22 | Ferromolybdenum Ferrochromium LC | 1.000 2.250 | \$7.49 \$2.84 | \$10.33 |
| ASTM A193 B16 | Ferromolybdenum Ferrovanadium Ferrochromium HC | .580 .300 .980 | \$4.34 \$1.49 \$0.58 | \$6.41 |
| C35 Mod | Ferromolybdenum Ferrochromium HC | .050 .600 | \$0.37 \$0.35 | \$0.72 |
| E4140 | Ferromolybdenum Ferrochromium HC | .200 .950 | \$1.50 \$0.56 | \$2.06 |
| E4140M | Ferromolybdenum Nickel Ferrovanadium Ferrochromium HC | .225 .420 .030 1.050 | \$1.69 \$1.74 \$0.15 \$0.62 | \$4.20 |
| E4145H | Ferromolybdenum | .200 | \$1.50 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|------------------|---------------|---------------|----------------|
| E4145H | Ferrochromium HC | .950 | \$0.56 | \$2.06 |
| E4340 | Ferromolybdenum | .250 | \$1.87 | |
| | Nickel | 1.825 | \$7.57 | |
| | Ferrochromium HC | .800 | \$0.47 | \$9.91 |
| E4340H | Ferromolybdenum | .275 | \$2.06 | |
| | Nickel | 1.880 | \$7.80 | |
| | Ferrochromium HC | .800 | \$0.47 | \$10.33 |
| ETN-22 | Ferromolybdenum | .150 | \$1.12 | |
| | Ferrochromium HC | .500 | \$0.30 | \$1.42 |
| ETN-22 UC | Ferromolybdenum | .150 | \$1.12 | |
| | Ferrochromium HC | .500 | \$0.30 | \$1.42 |
| ETN-27 | Ferromolybdenum | .150 | \$1.12 | |
| | Ferrochromium HC | .550 | \$0.32 | \$1.44 |
| EX15 QL3 | Ferromolybdenum | .170 | \$1.27 | |
| | Ferrochromium HC | .500 | \$0.30 | \$1.57 |
| EX15/4120 | Ferromolybdenum | .165 | \$1.24 | |
| | Ferrochromium HC | .500 | \$0.30 | \$1.54 |
| EX16 | Ferromolybdenum | .170 | \$1.27 | |
| | Ferrochromium HC | .500 | \$0.30 | \$1.57 |
| EX55H | Ferromolybdenum | .740 | \$5.54 | |
| | Nickel | 1.830 | \$7.59 | |
| | Ferrochromium HC | .680 | \$0.40 | \$13.53 |
| F11 | Ferromolybdenum | .550 | \$4.12 | |
| | Ferrochromium LC | 1.250 | \$1.58 | \$5.70 |
| F11 A182 | Ferromolybdenum | .550 | \$4.12 | |
| | Ferrochromium LC | 1.250 | \$1.58 | \$5.70 |
| F12 | Ferromolybdenum | .550 | \$4.12 | |
| | Ferrochromium LC | 1.030 | \$1.30 | \$5.42 |
| F1554 Gr 55 | Ferrovandium | .070 | \$0.35 | \$0.35 |
| F22 | Ferromolybdenum | 1.000 | \$7.49 | |
| | Ferrochromium LC | 2.250 | \$2.84 | \$10.33 |
| F22 A182 | Ferromolybdenum | 1.000 | \$7.49 | |
| | Ferrochromium LC | 2.250 | \$2.84 | \$10.33 |
| F5 | Ferromolybdenum | .550 | \$4.12 | |
| | Ferrochromium LC | 5.000 | \$6.30 | \$10.42 |
| F9 | Ferromolybdenum | 1.000 | \$7.49 | |
| | Ferrochromium LC | 9.000 | \$11.34 | \$18.83 |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|---------------------|-----------------|---------------|---------------|----------------|
| F91 | Ferromolybdenum | .950 | \$7.12 | \$19.28 |
| | Ferrovandium | .215 | \$1.07 | |
| | Ferrocromium LC | 8.800 | \$11.09 | |
| Grade 150 | Ferrocromium HC | .850 | \$0.50 | \$0.50 |
| Grade 620 | Ferrovandium | .085 | \$0.42 | \$0.42 |
| Grade 97 | Ferrovandium | .175 | \$0.87 | \$0.87 |
| Grade 97/100 | Ferrovandium | .178 | \$0.88 | \$0.88 |
| LC75 | Ferrovandium | .100 | \$0.50 | \$0.50 |
| PS16RH | Ferromolybdenum | .170 | \$1.27 | \$1.57 |
| | Ferrocromium HC | .500 | \$0.30 | |
| PS17 | Ferromolybdenum | .170 | \$1.27 | \$1.57 |
| | Ferrocromium HC | .500 | \$0.30 | |
| PS17 RH | Ferromolybdenum | .170 | \$1.27 | \$1.57 |
| | Ferrocromium HC | .500 | \$0.30 | |
| PS18 | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrocromium HC | .525 | \$0.31 | |
| PS18RH | Ferromolybdenum | .170 | \$1.27 | \$1.58 |
| | Ferrocromium HC | .525 | \$0.31 | |
| S45-MR #13 | Ferrovandium | .075 | \$0.37 | \$0.37 |
| SBMA740 | Ferrovandium | .070 | \$0.35 | \$0.35 |
| SCM420H | Ferromolybdenum | .200 | \$1.50 | \$2.16 |
| | Ferrocromium HC | 1.120 | \$0.66 | |
| SCR420 | Ferrocromium HC | 1.050 | \$0.62 | \$0.62 |
| SW85 | Ferrovandium | .135 | \$0.67 | \$0.67 |
| T11 A213 | Ferromolybdenum | .550 | \$4.12 | \$5.70 |
| | Ferrocromium LC | 1.250 | \$1.58 | |
| T12 A213 | Ferromolybdenum | .550 | \$4.12 | \$5.42 |
| | Ferrocromium LC | 1.030 | \$1.30 | |
| T1A | Ferromolybdenum | .550 | \$4.12 | \$4.12 |
| T2 | Ferromolybdenum | .560 | \$4.19 | \$4.57 |
| | Ferrocromium HC | .650 | \$0.38 | |
| T2 (7075-9) | Ferromolybdenum | .560 | \$4.19 | |



| Grade | Alloy | Nominal Value | Surcharge CWT | Total CWT |
|-------------|------------------|---------------|---------------|----------------|
| T2 (7075-9) | Ferrochromium HC | .650 | \$0.38 | \$4.57 |
| T2 A213 | Ferromolybdenum | .560 | \$4.19 | \$4.57 |
| | Ferrochromium HC | .650 | \$0.38 | |
| T22 A213 | Ferromolybdenum | 1.000 | \$7.49 | \$10.33 |
| | Ferrochromium LC | 2.250 | \$2.84 | |
| T5 A213 | Ferromolybdenum | .545 | \$4.08 | \$10.38 |
| | Ferrochromium LC | 5.000 | \$6.30 | |
| T9 A213 | Ferromolybdenum | 1.000 | \$7.49 | \$18.83 |
| | Ferrochromium LC | 9.000 | \$11.34 | |
| T91 A213 | Ferromolybdenum | .950 | \$7.12 | \$19.28 |
| | Ferrovandium | .215 | \$1.07 | |
| | Ferrochromium LC | 8.800 | \$11.09 | |