



August 12, 2024

September 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 10th of each month for Chicago, Cleveland, and Pittsburgh.

As of August 10th, 2024, the three-city average for No.1 Bundles was \$381.67 ton. Using our revised method, the September 2024 scrap surcharge for SBQ product is \$266.67/ton (\$13.33/cwt). This represents no change from August 2024.

We appreciate your business and continued support.

Sincerely,

Sarah Jordan
Sales & Marketing Manager



August 9, 2024

September 2024 Alloy Surcharge Announcement

Effective September 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 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
August 9th Index Value	\$2.69	\$1.72	\$24.25	\$7.25	\$12.88	\$.90
Base Value	\$0.75	\$0.50	\$4.00	\$3.50	\$6.00	\$0.40
Yield Factor	70%	70%	85%	85%	85%	85%
September 2024 Surcharge/lb.	\$2.77	\$1.74	\$23.82	\$4.42	\$8.09	\$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 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	\$1.22	\$1.22
1033V	Ferrovandium	.125	\$1.01	\$1.01
1045 R6 V QL2	Ferrovandium	.040	\$0.32	\$0.32
1045 V	Ferrovandium	.070	\$0.57	\$0.57
1045 V FG	Ferrovandium	.030	\$0.24	\$0.24
1045 V FG QL2	Ferrovandium	.040	\$0.32	\$0.32
1080 400C	Ferrovandium HC	.520	\$0.90	\$0.90
1080 425C	Ferrovandium HC	.550	\$0.96	\$0.96
1080 525A	Ferrovandium HC	.950	\$1.65	\$1.65
1080 525C	Ferrovandium HC	.950	\$1.65	\$1.65
1080 525D	Ferrovandium HC	.950	\$1.65	\$1.65
1080 525T	Ferrovandium HC	1.100	\$1.91	\$1.91
1095	Ferrovandium HC	.350	\$0.61	\$0.61
1095 065F	Ferrovandium HC	.350	\$0.61	\$0.61
1095 200A	Ferrovandium HC	.350	\$0.61	\$0.61
1095 260A	Ferrovandium HC	.350	\$0.61	\$0.61
10V18	Ferrovandium	.060	\$0.49	\$0.49
10V40 QL2	Ferrovandium	.100	\$0.81	\$0.81
10V43 B156	Ferrovandium Ferrochromium HC	.095 .145	\$0.77 \$0.25	\$1.02
10V45	Ferrovandium	.100	\$0.81	\$0.81
10V45 JD AO QL2	Ferrovandium	.150	\$1.21	\$1.21
10V45 QL2	Ferrovandium	.100	\$0.81	\$0.81
10V45 RES10172	Ferrovandium	.150	\$1.21	\$1.21
10V50	Ferrovandium Ferrochromium HC	.035 .150	\$0.28 \$0.26	\$0.54

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
10V86M	Ferrovandium	.250	\$2.02	\$2.02
1137 V FG	Ferrovandium	.035	\$0.28	\$0.28
1141 QL2 V FG	Ferrovandium	.030	\$0.24	\$0.24
1141 V FG	Ferrovandium	.030	\$0.24	\$0.24
1141 V FG QL2	Ferrovandium	.030	\$0.24	\$0.24
1141 V FG QL3	Ferrovandium	.030	\$0.24	\$0.24
1144 V FG	Ferrovandium	.030	\$0.24	\$0.24
1144V FG	Ferrovandium	.060	\$0.49	\$0.49
11V41	Ferrovandium	.090	\$0.73	\$0.73
11V41 QL2	Ferrovandium	.090	\$0.73	\$0.73
13% Chrome	Ferrovandium Ferrochromium LC	.070 13.250	\$0.57 \$36.70	\$37.27
13%Cr/420 Mod	Ferrovandium Ferrochromium LC	.070 13.250	\$0.57 \$36.70	\$37.27
1328M R3	Ferrochromium HC	.170	\$0.30	\$0.30
1517V1	Ferrovandium	.012	\$0.10	\$0.10
1517V2	Ferrovandium	.015	\$0.12	\$0.12
1518-7	Ferrovandium	.075	\$0.61	\$0.61
1518M	Ferrovandium Ferrochromium HC	.020 .220	\$0.16 \$0.38	\$0.54
1520BV	Ferromolybdenum Ferrovandium	.040 .110	\$0.95 \$0.89	\$1.84
1522 MOD	Ferrovandium	.075	\$0.61	\$0.61
1522M	Ferrovandium	.075	\$0.61	\$0.61
1523	Ferrovandium	.080	\$0.65	\$0.65
1524	Ferrochromium HC	.120	\$0.21	\$0.21
1524M E0769	Ferrochromium LC	.120	\$0.33	\$0.33
1536M QL3	Ferromolybdenum	.050	\$1.19	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
1536M QL3	Ferrochromium LC	.175	\$0.48	\$1.67
1537HC	Ferrochromium HC	.400	\$0.70	\$0.70
1538MV	Ferrovandium Ferrochromium HC	.100 .150	\$0.81 \$0.26	\$1.07
1541H Mod	Ferromolybdenum Nickel Ferrochromium LC	.050 .200 .190	\$1.19 \$0.88 \$0.53	\$2.60
1575 R260	Nickel Ferrochromium LC	.080 .125	\$0.35 \$0.35	\$0.70
1590 UHC	Ferrochromium HC	.280	\$0.49	\$0.49
15B28 Mod	Ferromolybdenum	.150	\$3.57	\$3.57
15B29 Mod	Ferromolybdenum	.150	\$3.57	\$3.57
15B33	Ferrochromium HC	.550	\$0.96	\$0.96
15B34 1E0669	Ferromolybdenum Nickel Ferrochromium LC	.040 .100 .110	\$0.95 \$0.44 \$0.30	\$1.69
15B34 1E0670	Ferromolybdenum Nickel Ferrochromium HC	.040 .100 .150	\$0.95 \$0.44 \$0.26	\$1.65
15B34 1E1287	Ferromolybdenum Nickel Ferrochromium LC	.040 .100 .175	\$0.95 \$0.44 \$0.48	\$1.87
15B34M	Ferromolybdenum Nickel Ferrochromium HC	.040 .100 .175	\$0.95 \$0.44 \$0.30	\$1.69
15B36	Ferromolybdenum Ferrochromium HC	.030 .100	\$0.71 \$0.17	\$0.88
15B37H	Ferrochromium LC	.170	\$0.47	\$0.47
15B37M	Ferromolybdenum Ferrochromium HC	.030 .100	\$0.71 \$0.17	\$0.88
15B41 1E028	Nickel Ferrochromium LC	.070 .100	\$0.31 \$0.28	\$0.59
15V10M	Ferrovandium	.030	\$0.24	\$0.24
15V16	Ferrovandium	.085	\$0.69	\$0.69



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
15V16 LF6	Ferrovandium	.025	\$0.20	\$0.20
15V18	Ferrovandium	.075	\$0.61	\$0.61
15V18M	Ferrovandium	.080	\$0.65	\$0.65
15V20M	Ferrovandium	.170	\$1.38	\$1.38
15V22	Ferrovandium	.055	\$0.44	\$0.44
15V22 PT	Ferrovandium	.055	\$0.44	\$0.44
15V24	Ferrovandium	.075	\$0.61	\$0.61
15V24 Mod	Ferrovandium	.150	\$1.21	\$1.21
15V24M	Ferrovandium Ferrochromium HC	.135 .120	\$1.09 \$0.21	\$1.30
15V27M	Ferrovandium	.075	\$0.61	\$0.61
15V30	Ferrovandium	.135	\$1.09	\$1.09
15V30 Mod	Ferrovandium	.135	\$1.09	\$1.09
15V30M	Ferrovandium	.190	\$1.54	\$1.54
15V32M	Ferrovandium	.135	\$1.09	\$1.09
15V34M	Ferrovandium	.240	\$1.94	\$1.94
15V37M	Nickel Ferrovandium Ferrochromium HC	.150 .065 .150	\$0.66 \$0.53 \$0.26	\$1.45
15V37M 1E1586	Ferrovandium	.085	\$0.69	\$0.69
15V37Mod	Ferrovandium Ferrochromium HC	.085 .220	\$0.69 \$0.38	\$1.07
15V38 C38 Mod	Ferrovandium Ferrochromium HC	.100 .150	\$0.81 \$0.26	\$1.07
15V38M	Ferrovandium Ferrochromium HC	.090 .150	\$0.73 \$0.26	\$0.99
15V40M	Ferrovandium Ferrochromium HC	.100 .150	\$0.81 \$0.26	\$1.07
15V41	Ferromolybdenum Nickel Ferrovandium	.030 .080 .100	\$0.71 \$0.35 \$0.81	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
15V41	Ferchromium HC	.150	\$0.26	\$2.13
15V44 C44 Mod	Ferovanadium	.145	\$1.17	\$1.61
	Ferchromium HC	.250	\$0.44	
15V45M	Ferovanadium	.125	\$1.01	\$1.01
15V45M 1E1106	Ferovanadium	.130	\$1.05	\$1.05
16MnCr5	Nickel	.100	\$0.44	\$2.27
	Ferchromium HC	1.050	\$1.83	
16MnCrS5	Ferchromium HC	1.050	\$1.83	\$1.83
17MnV7	Ferovanadium	.165	\$1.33	\$1.33
18CrNiMo7-6	Ferromolybdenum	.300	\$7.15	\$16.87
	Nickel	1.550	\$6.85	
	Ferchromium HC	1.650	\$2.87	
18CrNiMo7-6 +HH	Ferromolybdenum	.300	\$7.15	\$16.87
	Nickel	1.550	\$6.85	
	Ferchromium HC	1.650	\$2.87	
1E1371	Ferromolybdenum	.350	\$8.34	\$12.24
	Ferovanadium	.095	\$0.77	
	Ferchromium HC	1.800	\$3.13	
1E1497	Ferovanadium	.100	\$0.81	\$1.07
	Ferchromium HC	.150	\$0.26	
20MnCr5	Ferchromium HC	1.200	\$2.09	\$2.09
20MnCrS5	Ferchromium HC	1.150	\$2.00	\$2.00
25MoCr4	Ferromolybdenum	.440	\$10.48	\$12.93
	Nickel	.200	\$0.88	
	Ferchromium HC	.900	\$1.57	
25MoCr4 Ver 50	Ferromolybdenum	.425	\$10.12	\$11.63
	Ferchromium HC	.870	\$1.51	
25MoCrS4 Hay1	Ferromolybdenum	.425	\$10.12	\$11.77
	Ferchromium HC	.950	\$1.65	
25MoCrS4 Hay2	Ferromolybdenum	.425	\$10.12	\$11.77
	Ferchromium HC	.950	\$1.65	
30Mn5	Ferovanadium	.080	\$0.65	\$1.62
	Ferchromium LC	.350	\$0.97	
30MnVS6	Ferovanadium	.115	\$0.93	\$0.93



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
30MnVS6-VD	Ferrovandium	.110	\$0.89	\$0.89
35MnVS4	Ferrovandium	.200	\$1.62	\$1.88
	Ferrovandium HC	.150	\$0.26	
37CRS4	Ferrovandium HC	1.050	\$1.83	\$1.83
38MnSiVS5	Ferrovandium	.110	\$0.89	\$1.12
	Ferrovandium HC	.130	\$0.23	
38MnVS6	Ferrovandium	.110	\$0.89	\$1.15
	Ferrovandium HC	.150	\$0.26	
38MnVS6M	Ferrovandium	.240	\$1.94	\$1.94
4023	Ferromolybdenum	.250	\$5.96	\$5.96
4027	Ferromolybdenum	.260	\$6.19	\$6.19
40BV40 Mod	Ferromolybdenum	.355	\$8.46	\$9.27
	Ferrovandium	.100	\$0.81	
40BV40M 1E4146	Ferromolybdenum	.355	\$8.46	\$9.27
	Ferrovandium	.100	\$0.81	
4118	Ferromolybdenum	.115	\$2.74	\$3.61
	Ferrovandium HC	.500	\$0.87	
4118-8/BQ	Ferromolybdenum	.115	\$2.74	\$3.61
	Ferrovandium HC	.500	\$0.87	
4118/4118-2	Ferromolybdenum	.115	\$2.74	\$3.61
	Ferrovandium HC	.500	\$0.87	
4120	Ferromolybdenum	.170	\$4.05	\$4.95
	Ferrovandium HC	.520	\$0.90	
4120 QL2	Ferromolybdenum	.170	\$4.05	\$4.95
	Ferrovandium HC	.520	\$0.90	
4120 QL3	Ferromolybdenum	.170	\$4.05	\$4.95
	Ferrovandium HC	.520	\$0.90	
4120H	Ferromolybdenum	.150	\$3.57	\$4.44
	Ferrovandium HC	.500	\$0.87	
4120H B81	Ferromolybdenum	.170	\$4.05	\$4.92
	Ferrovandium HC	.500	\$0.87	
4120H QL2	Ferromolybdenum	.170	\$4.05	\$4.95
	Ferrovandium HC	.520	\$0.90	
4120M	Ferromolybdenum	.175	\$4.17	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4120M	Ferchromium HC	.500	\$0.87	\$5.04
4120M 1E1120	Ferromolybdenum	.165	\$3.93	\$4.93
	Ferchromium HC	.575	\$1.00	
4120RH QL4	Ferromolybdenum	.170	\$4.05	\$4.95
	Ferchromium HC	.520	\$0.90	
4122M	Ferromolybdenum	.170	\$4.05	\$4.92
	Ferchromium HC	.500	\$0.87	
4122M 1E0078 UC	Ferromolybdenum	.225	\$5.36	\$6.80
	Ferchromium HC	.825	\$1.44	
4122M 1E0778	Ferromolybdenum	.225	\$5.36	\$6.80
	Ferchromium HC	.825	\$1.44	
4122M 1E0778 UC	Ferromolybdenum	.225	\$5.36	\$6.84
	Ferchromium HC	.850	\$1.48	
4122M 1E1054	Ferromolybdenum	.325	\$7.74	\$9.35
	Ferchromium HC	.925	\$1.61	
4122M B222-6	Ferromolybdenum	.170	\$4.05	\$5.15
	Ferchromium HC	.630	\$1.10	
4122M B222-6(F)	Ferromolybdenum	.170	\$4.05	\$5.15
	Ferchromium HC	.630	\$1.10	
4124	Ferromolybdenum	.150	\$3.57	\$4.70
	Ferchromium HC	.650	\$1.13	
4124 M	Ferromolybdenum	.400	\$9.53	\$12.22
	Nickel	.205	\$0.91	
	Ferchromium HC	1.025	\$1.78	
4124M	Ferromolybdenum	.170	\$4.05	\$5.18
	Ferchromium HC	.650	\$1.13	
4124M B222	Ferromolybdenum	.170	\$4.05	\$5.18
	Ferchromium HC	.650	\$1.13	
4124M B222-5(F)	Ferromolybdenum	.170	\$4.05	\$5.18
	Ferchromium HC	.650	\$1.13	
4124M B222-5mod	Ferromolybdenum	.170	\$4.05	\$5.36
	Ferchromium HC	.750	\$1.31	
4124M B222-7(F)	Ferromolybdenum	.170	\$4.05	\$5.09
	Ferchromium HC	.600	\$1.04	
4124M B222-8	Ferromolybdenum	.300	\$7.15	\$8.46
	Ferchromium HC	.750	\$1.31	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4128	Ferromolybdenum	.350	\$8.34	
	Ferrovandium	.095	\$0.77	
	Ferchromium HC	1.800	\$3.13	\$12.24
4128M	Ferromolybdenum	.390	\$9.29	
	Ferrovandium	.100	\$0.81	
	Ferchromium HC	1.800	\$3.13	\$13.23
4129M	Ferromolybdenum	.700	\$16.67	
	Ferchromium HC	1.350	\$2.35	\$19.02
4130	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	.950	\$1.65	\$6.41
4130 1E1058	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 1E2737	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 1E5205	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 AQ	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 CF-003	Ferromolybdenum	.220	\$5.24	
	Nickel	.150	\$0.66	
	Ferchromium HC	1.050	\$1.83	\$7.73
4130 CGL-2	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 ES-330	Ferromolybdenum	.230	\$5.48	
	Nickel	.100	\$0.44	
	Ferchromium HC	1.000	\$1.74	\$7.66
4130 ES220	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 MBQ	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130 Mod	Ferromolybdenum	.650	\$15.48	
	Ferchromium HC	1.000	\$1.74	\$17.22
4130 TW051592	Ferromolybdenum	.220	\$5.24	
	Ferchromium HC	1.000	\$1.74	\$6.98
4130-4 MS	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.000	\$1.74	\$6.50
4130-5/4130	Ferromolybdenum	.200	\$4.76	
	Ferchromium HC	1.040	\$1.81	\$6.57



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4130-6/4130	Ferromolybdenum	.200	\$4.76	\$6.57
	Ferrochromium HC	1.040	\$1.81	
4130-9/4130M	Ferromolybdenum	.225	\$5.36	\$7.98
	Nickel	.200	\$0.88	
	Ferrochromium HC	1.000	\$1.74	
4130/4130H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130A	Ferromolybdenum	.200	\$4.76	\$6.50
	Ferrochromium HC	1.000	\$1.74	
4130B AQ	Ferromolybdenum	.220	\$5.24	\$6.98
	Ferrochromium HC	1.000	\$1.74	
4130B Mod	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130H QL2	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130H QL3	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130I	Ferromolybdenum	.700	\$16.67	\$19.02
	Ferrochromium HC	1.350	\$2.35	
4130M	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130M 1E2737	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130M TW032808	Ferromolybdenum	.220	\$5.24	\$7.56
	Ferrovandium	.060	\$0.49	
	Ferrochromium HC	1.050	\$1.83	
4130M TW061206	Ferromolybdenum	.275	\$6.55	\$8.78
	Ferrovandium	.040	\$0.32	
	Ferrochromium HC	1.100	\$1.91	
4130M7	Ferromolybdenum	.700	\$16.67	\$19.02
	Ferrochromium HC	1.350	\$2.35	
4130RH	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4130U	Ferromolybdenum	.225	\$5.36	\$7.01
	Ferrochromium HC	.950	\$1.65	
4132 M	Ferromolybdenum	.650	\$15.48	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4132 M	Ferrochromium HC	1.250	\$2.18	\$17.66
4132 MS362	Ferromolybdenum	.425	\$10.12	\$12.30
	Ferrochromium HC	1.250	\$2.18	
4132M	Ferromolybdenum	.425	\$10.12	\$17.54
	Nickel	1.275	\$5.64	
	Ferrochromium HC	1.025	\$1.78	
4135	Ferromolybdenum	.315	\$7.50	\$10.29
	Nickel	.200	\$0.88	
	Ferrochromium HC	1.100	\$1.91	
4135 B73	Ferromolybdenum	.200	\$4.76	\$6.50
	Ferrochromium HC	1.000	\$1.74	
4135H Mod	Ferromolybdenum	.315	\$7.50	\$10.29
	Nickel	.200	\$0.88	
	Ferrochromium HC	1.100	\$1.91	
4135H QL2	Ferromolybdenum	.200	\$4.76	\$6.50
	Ferrochromium HC	1.000	\$1.74	
4137	Ferromolybdenum	.320	\$7.62	\$9.45
	Ferrochromium HC	1.050	\$1.83	
4137 M	Ferromolybdenum	.320	\$7.62	\$9.53
	Ferrochromium HC	1.100	\$1.91	
4137 MS303	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4137 MS309	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4137 MS371	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4137 Mod	Ferromolybdenum	.325	\$7.74	\$9.70
	Ferrochromium HC	1.125	\$1.96	
4137/4140	Ferromolybdenum	.175	\$4.17	\$5.82
	Ferrochromium HC	.950	\$1.65	
4137H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4137M	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4137M 341	Ferromolybdenum	.300	\$7.15	\$8.98
	Ferrochromium HC	1.050	\$1.83	
4137M MS364	Ferromolybdenum	.300	\$7.15	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4137M MS364	Ferromolybdenum Ferrochromium HC	1.100	\$1.91	\$9.06
4137RS	Ferromolybdenum Ferrochromium HC	.225 .950	\$5.36 \$1.65	\$7.01
4140	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 1E1636	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 1E509	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 1E5211	Ferromolybdenum Nickel Ferrochromium HC	.225 .200 1.000	\$5.36 \$0.88 \$1.74	\$7.98
4140 A1	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 AQ	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 BQ	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 CF-001	Ferromolybdenum Nickel Ferrochromium HC	.230 .220 1.000	\$5.48 \$0.97 \$1.74	\$8.19
4140 ES-324	Ferromolybdenum Nickel Ferrochromium HC	.200 .200 1.000	\$4.76 \$0.88 \$1.74	\$7.38
4140 ES-325	Ferromolybdenum Nickel Ferrochromium HC	.200 .200 1.000	\$4.76 \$0.88 \$1.74	\$7.38
4140 LS	Ferromolybdenum Nickel Ferrochromium HC	.200 .200 .950	\$4.76 \$0.88 \$1.65	\$7.29
4140 M	Ferromolybdenum Nickel Ferrochromium HC	.200 .350 .550	\$4.76 \$1.55 \$0.96	\$7.27
4140 MS450	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 Off Chem	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140 QL2	Ferromolybdenum	.200	\$4.76	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140 QL2	Ferrochromium HC	.950	\$1.65	\$6.41
4140 QL3	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140/4140H	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140/4142	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140/4142H	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140/42	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140A	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140B	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140H	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140H B74-1	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140H QL2	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140H QL3	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140H/42 QL2	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140M	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140M B74-R	Ferromolybdenum Ferrochromium HC	.200 .950	\$4.76 \$1.65	\$6.41
4140M S315	Ferromolybdenum Nickel Ferrovanadium Ferrochromium HC	.200 .200 .020 .950	\$4.76 \$0.88 \$0.16 \$1.65	\$7.45
4140Mod	Ferromolybdenum Ferrochromium HC	.225 1.150	\$5.36 \$2.00	\$7.36
4140RS	Ferromolybdenum Ferrovanadium	.200 .030	\$4.76 \$0.24	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4140RS	Ferrochromium HC	1.050	\$1.83	\$6.83
4141-5/4140	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4141H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4142	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4142/4145H Mod	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4145	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4145 1E0598	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4145H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4145H M	Ferromolybdenum	.380	\$9.05	\$10.96
	Ferrochromium HC	1.100	\$1.91	
4145H Mod	Ferromolybdenum	.300	\$7.15	\$9.06
	Ferrochromium HC	1.100	\$1.91	
4145H QL2	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4145M	Ferromolybdenum	.250	\$5.96	\$7.87
	Ferrochromium HC	1.100	\$1.91	
4145M 346	Ferromolybdenum	.310	\$7.38	\$9.29
	Ferrochromium HC	1.100	\$1.91	
4150	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4150 QL2	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4150 QL2 AQ	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4150H	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4150H 1E9999	Ferromolybdenum	.200	\$4.76	\$6.41
	Ferrochromium HC	.950	\$1.65	
4150H AQ	Ferromolybdenum	.200	\$4.76	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4150H AQ	Ferrochromium HC	.950	\$1.65	\$6.41
4150M2	Ferromolybdenum	.200	\$4.76	
	Nickel	.185	\$0.82	
	Ferrochromium HC	.950	\$1.65	\$7.23
4150RS	Ferromolybdenum	.200	\$4.76	
	Ferrochromium HC	.850	\$1.48	\$6.24
4161 1E0490	Ferromolybdenum	.300	\$7.15	
	Ferrochromium HC	.800	\$1.39	\$8.54
4161/4161H	Ferromolybdenum	.300	\$7.15	
	Ferrochromium HC	.800	\$1.39	\$8.54
4162	Ferromolybdenum	.200	\$4.76	
	Nickel	.200	\$0.88	
	Ferrochromium HC	1.025	\$1.78	\$7.42
4163M	Ferromolybdenum	.150	\$3.57	
	Ferrovandium	.050	\$0.40	
	Ferrochromium HC	.800	\$1.39	\$5.36
4164M	Ferromolybdenum	.080	\$1.91	
	Ferrovandium	.065	\$0.53	
	Ferrochromium HC	.950	\$1.65	\$4.09
41B17	Ferromolybdenum	.125	\$2.98	
	Ferrochromium HC	.575	\$1.00	\$3.98
41B17 1E0951	Ferromolybdenum	.125	\$2.98	
	Ferrochromium HC	.575	\$1.00	\$3.98
41B30M	Ferromolybdenum	.150	\$3.57	
	Ferrochromium HC	.500	\$0.87	\$4.44
41B30M 1E0997	Ferromolybdenum	.170	\$4.05	
	Ferrochromium HC	.525	\$0.91	\$4.96
41B30M 1E1671	Ferromolybdenum	.170	\$4.05	
	Ferrochromium HC	.525	\$0.91	\$4.96
41B30M QL3	Ferromolybdenum	.160	\$3.81	
	Ferrochromium HC	.550	\$0.96	\$4.77
41B31M	Ferromolybdenum	.375	\$8.93	
	Ferrochromium HC	1.600	\$2.78	\$11.71
41B32M	Ferromolybdenum	.425	\$10.12	
	Nickel	1.275	\$5.64	
	Ferrochromium HC	1.025	\$1.78	\$17.54
41B33M	Ferromolybdenum	.150	\$3.57	
	Ferrochromium HC	.500	\$0.87	\$4.44

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
41B33M 1E4415	Ferromolybdenum	.165	\$3.93	\$4.84
	Ferrochromium HC	.525	\$0.91	
41B35M	Ferromolybdenum	.075	\$1.79	\$2.66
	Ferrochromium HC	.500	\$0.87	
41B35M 1E1013	Ferromolybdenum	.075	\$1.79	\$2.66
	Ferrochromium HC	.500	\$0.87	
41V37 Mod	Ferromolybdenum	.325	\$7.74	\$9.89
	Ferrovandium	.040	\$0.32	
	Ferrochromium HC	1.050	\$1.83	
42CrMo4	Ferromolybdenum	.200	\$4.76	\$6.67
	Ferrochromium HC	1.100	\$1.91	
42CrMo4 1E2765	Ferromolybdenum	.200	\$4.76	\$6.67
	Ferrochromium HC	1.100	\$1.91	
42CrMo4 Ver10	Ferromolybdenum	.175	\$4.17	\$6.08
	Ferrochromium HC	1.100	\$1.91	
42CrMoS4	Ferromolybdenum	.200	\$4.76	\$6.59
	Ferrochromium HC	1.050	\$1.83	
4317M2	Ferromolybdenum	.750	\$17.87	\$27.09
	Nickel	1.850	\$8.18	
	Ferrochromium HC	.600	\$1.04	
4320	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320 QL3	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320H	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320H B46	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320H BQ	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320H QL3	Ferromolybdenum	.250	\$5.96	\$14.90
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.500	\$0.87	
4320H QL4	Ferromolybdenum	.250	\$5.96	\$8.07
	Nickel	1.825	\$8.07	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
4320H QL4	Ferrochromium HC	.500	\$0.87	\$14.90
4320M	Ferromolybdenum	.250	\$5.96	
	Nickel	1.025	\$4.53	
	Ferrochromium HC	1.025	\$1.78	\$12.27
4320RH	Ferromolybdenum	.250	\$5.96	
	Nickel	1.830	\$8.09	
	Ferrochromium HC	.500	\$0.87	\$14.92
4320RH UC	Ferromolybdenum	.250	\$5.96	
	Nickel	1.830	\$8.09	
	Ferrochromium HC	.500	\$0.87	\$14.92
4330V	Ferromolybdenum	.430	\$10.24	
	Nickel	1.825	\$8.07	
	Ferrovandium	.075	\$0.61	
	Ferrochromium HC	.870	\$1.51	\$20.43
4340	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4340 1E0830	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4340 AQ	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4340 QL2	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4340 QL3	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4340 RGM	Ferromolybdenum	.275	\$6.55	
	Nickel	1.880	\$8.31	
	Ferrochromium HC	.800	\$1.39	\$16.25
4340H	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4350H	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
4352 AQ	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.800	\$1.39	\$15.42
43B20	Ferromolybdenum	.250	\$5.96	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
43B20	Nickel	1.825	\$8.07	\$14.90
	Ferrochromium HC	.500	\$0.87	
43V30 Mod	Ferromolybdenum	.530	\$12.62	\$26.05
	Nickel	2.500	\$11.05	
	Ferrovandium	.090	\$0.73	
	Ferrochromium HC	.950	\$1.65	
44W	Ferrovandium	.025	\$0.20	\$0.20
4620 QL3	Ferromolybdenum	.250	\$5.96	\$14.03
	Nickel	1.825	\$8.07	
4623	Ferromolybdenum	.180	\$4.29	\$12.82
	Nickel	1.820	\$8.04	
	Ferrovandium	.060	\$0.49	
4625 AMS 6418	Ferromolybdenum	.400	\$9.53	\$18.12
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.300	\$0.52	
4625 IR458	Ferromolybdenum	.400	\$9.53	\$18.12
	Nickel	1.825	\$8.07	
	Ferrochromium HC	.300	\$0.52	
46MnVS6	Ferrovandium	.140	\$1.13	\$1.39
	Ferrochromium HC	.150	\$0.26	
4715	Ferromolybdenum	.520	\$12.39	\$17.44
	Nickel	.925	\$4.09	
	Ferrochromium HC	.550	\$0.96	
4715M	Ferromolybdenum	.560	\$13.34	\$18.41
	Nickel	.930	\$4.11	
	Ferrochromium HC	.550	\$0.96	
47V15	Ferromolybdenum	.550	\$13.10	\$18.57
	Nickel	.930	\$4.11	
	Ferrovandium	.040	\$0.32	
	Ferrochromium HC	.600	\$1.04	
4815H	Ferromolybdenum	.250	\$5.96	\$21.38
	Nickel	3.450	\$15.25	
	Ferrochromium HC	.100	\$0.17	
4817	Ferromolybdenum	.250	\$5.96	\$21.43
	Nickel	3.500	\$15.47	
4817RH	Ferromolybdenum	.250	\$5.96	\$21.43
	Nickel	3.500	\$15.47	
50B34 1E1632	Ferrochromium HC	.400	\$0.70	\$0.70
50B34 Mod	Ferrochromium HC	.400	\$0.70	\$0.70



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
50B35	Ferrochromium HC	.400	\$0.70	\$0.70
50B35 1E1201	Ferrochromium HC	.480	\$0.84	\$0.84
5119	Ferrochromium HC	.800	\$1.39	\$1.39
5119R	Ferrochromium HC	.900	\$1.57	\$1.57
5120	Ferrochromium HC	.800	\$1.39	\$1.39
5120H	Ferrochromium HC	.800	\$1.39	\$1.39
5120M	Ferromolybdenum Ferrochromium HC	.020 1.050	\$0.48 \$1.83	\$2.31
5124	Ferrochromium HC	.800	\$1.39	\$1.39
5125RH	Ferrochromium HC	1.100	\$1.91	\$1.91
5130	Ferrochromium HC	.950	\$1.65	\$1.65
5130-4	Ferrochromium HC	.950	\$1.65	\$1.65
5130/5130H	Ferrochromium HC	.950	\$1.65	\$1.65
5130H Mod	Ferrochromium HC	.975	\$1.70	\$1.70
5140	Ferrochromium HC	.800	\$1.39	\$1.39
5150	Ferrochromium HC	1.100	\$1.91	\$1.91
5150 525X	Ferrochromium HC	1.100	\$1.91	\$1.91
5160	Ferrochromium HC	.875	\$1.52	\$1.52
5160H	Ferrochromium HC	.875	\$1.52	\$1.52
5160H Mod	Ferrochromium HC	.950	\$1.65	\$1.65
51B60H	Ferrochromium HC	.800	\$1.39	\$1.39
51CrV4	Nickel Ferrovanadium Ferrochromium HC	.150 .130 1.050	\$0.66 \$1.05 \$1.83	\$3.54
51V30M	Ferrovanadium Ferrochromium HC	.105 1.100	\$0.85 \$1.91	\$2.76
52100	Ferrochromium HC	1.450	\$2.52	\$2.52
52100 BQ	Ferrochromium HC	1.450	\$2.52	\$2.52



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
52CrMoV4	Ferromolybdenum	.225	\$5.36	
	Ferrovandium	.130	\$1.05	
	Ferchromium HC	1.050	\$1.83	\$8.24
58CrMoV4	Ferromolybdenum	.175	\$4.17	
	Ferrovandium	.125	\$1.01	
	Ferchromium HC	.970	\$1.69	\$6.87
6175 Mod	Ferrovandium	.175	\$1.42	
	Ferchromium HC	1.125	\$1.96	\$3.38
6330	Ferromolybdenum	.500	\$11.91	
	Ferrovandium	.250	\$2.02	
	Ferchromium HC	1.350	\$2.35	\$16.28
7474-5/4130M	Ferromolybdenum	.225	\$5.36	
	Nickel	.200	\$0.88	
	Ferchromium HC	1.000	\$1.74	\$7.98
8615	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8616 Mod	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8617	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8617/8620H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8617H AQ	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8617H/8620	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8619 A534 BQ	Ferromolybdenum	.215	\$5.12	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.42
8619H BQ QL3	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8620	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$8.06
8620 1E2743	Ferromolybdenum	.200	\$4.76	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620 1E2743	Nickel	.550	\$2.43	\$8.06
	Ferrochromium HC	.500	\$0.87	
8620 A2	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 AQ	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 BQ	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 FG	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 MAT 1052	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 MS450 -B	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 Off-Heat	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 QL2	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 QL3	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620 QL4	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/20H QL2	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/22	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/22 QL2	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/8620H	Ferromolybdenum	.200	\$4.76	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8620/8620H	Nickel	.550	\$2.43	\$8.06
	Ferrochromium HC	.500	\$0.87	
8620/8620H QL3	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/8622H	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/8622H QL2	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620/8622H QL3	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620BQ 1E4180	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620H	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620H A534 BQ	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620H B81	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620H QL3	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620H/8720H	Ferromolybdenum	.225	\$5.36	\$8.70
	Nickel	.550	\$2.43	
	Ferrovandium	.005	\$0.04	
	Ferrochromium HC	.500	\$0.87	
8620M	Ferromolybdenum	.200	\$4.76	\$8.06
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8620M B81	Ferromolybdenum	.220	\$5.24	\$8.98
	Nickel	.630	\$2.78	
	Ferrochromium HC	.550	\$0.96	
8620RH	Ferromolybdenum	.200	\$4.76	\$8.15
	Nickel	.550	\$2.43	
	Ferrochromium HC	.550	\$0.96	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8622H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8622M	Ferromolybdenum	.270	\$6.43	
	Nickel	.600	\$2.65	
	Ferrovandium	.080	\$0.65	
	Ferrochromium HC	1.000	\$1.74	\$11.47
8622RH	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.550	\$0.96	\$8.15
8625	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8625H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8627H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8630	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8630 CGL-6	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8630 QL3	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8630H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8631	Ferromolybdenum	.180	\$4.29	
	Nickel	.150	\$0.66	
	Ferrochromium HC	1.000	\$1.74	\$6.69
8637	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8637H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8637RC	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8640	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8640/8740	Ferromolybdenum	.225	\$5.36	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.66
8640M	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8650	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8650 AQ	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8650H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
8660	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
86B20H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.525	\$0.91	\$8.10
86B30	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
86B30H	Ferromolybdenum	.200	\$4.76	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$8.06
86V53M KJ8X	Ferromolybdenum	.500	\$11.91	
	Nickel	.500	\$2.21	
	Ferrovandium	.150	\$1.21	
	Ferrochromium HC	1.775	\$3.09	\$18.42
8720	Ferromolybdenum	.250	\$5.96	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$9.26
8735	Ferromolybdenum	.250	\$5.96	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$9.26
8740	Ferromolybdenum	.250	\$5.96	
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	\$9.26



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
8822H	Ferromolybdenum	.350	\$8.34	\$11.64
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8822H B79	Ferromolybdenum	.350	\$8.34	\$11.86
	Nickel	.600	\$2.65	
	Ferrochromium HC	.500	\$0.87	
8822H B79-1	Ferromolybdenum	.350	\$8.34	\$11.91
	Nickel	.600	\$2.65	
	Ferrochromium HC	.530	\$0.92	
8822H BQ	Ferromolybdenum	.350	\$8.34	\$11.64
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8822H QL2	Ferromolybdenum	.350	\$8.34	\$11.64
	Nickel	.550	\$2.43	
	Ferrochromium HC	.500	\$0.87	
8822H QL3	Ferromolybdenum	.350	\$8.34	\$11.42
	Nickel	.500	\$2.21	
	Ferrochromium HC	.500	\$0.87	
8822RH	Ferromolybdenum	.350	\$8.34	\$11.42
	Nickel	.500	\$2.21	
	Ferrochromium HC	.500	\$0.87	
9254	Ferrochromium HC	.700	\$1.22	\$1.22
9310	Ferromolybdenum	.115	\$2.74	\$19.29
	Nickel	3.250	\$14.37	
	Ferrochromium HC	1.250	\$2.18	
9310H	Ferromolybdenum	.115	\$2.74	\$19.29
	Nickel	3.250	\$14.37	
	Ferrochromium HC	1.250	\$2.18	
9313/9313H	Ferromolybdenum	.120	\$2.86	\$20.07
	Nickel	3.250	\$14.37	
	Ferrovandium	.040	\$0.32	
	Ferrochromium HC	1.450	\$2.52	
9315H	Ferromolybdenum	.115	\$2.74	\$20.97
	Nickel	3.325	\$14.70	
	Ferrochromium LC	1.275	\$3.53	
9350	Ferromolybdenum	.115	\$2.74	\$19.65
	Nickel	3.250	\$14.37	
	Ferrovandium	.045	\$0.36	
	Ferrochromium HC	1.250	\$2.18	
A105/LF2 Chem	Ferrovandium	.035	\$0.28	\$0.28
A350 LF6 Chem	Ferrovandium	.075	\$0.61	\$0.61

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
A350/LF2 Chem	Ferrovandium	.035	\$0.28	\$0.28
A529 GR50	Ferrovandium	.015	\$0.12	\$0.12
A529 GR55	Ferrovandium	.075	\$0.61	\$0.61
A572 58Y	Ferrovandium	.075	\$0.61	\$0.61
A572 GR50	Ferrovandium	.015	\$0.12	\$0.12
A572 Gr 42 T2	Ferrovandium	.015	\$0.12	\$0.12
A572 Gr 60	Ferrovandium	.085	\$0.69	\$0.69
A572 Gr42	Ferrovandium	.035	\$0.28	\$0.28
A572 Gr50 T2	Ferrovandium	.015	\$0.12	\$0.12
A572 Gr60 Chem	Ferrovandium	.075	\$0.61	\$0.61
A572Gr50 Chem	Ferrovandium	.075	\$0.61	\$0.61
A572M 58Y	Ferrovandium	.075	\$0.61	\$0.61
A572M Gr 60	Ferrovandium	.075	\$0.61	\$0.61
A588 Gr A	Nickel Ferrovandium Ferrochromium HC	.150 .060 .550	\$0.66 \$0.49 \$0.96	\$2.11
A588 Gr B	Nickel Ferrovandium Ferrochromium HC	.150 .060 .550	\$0.66 \$0.49 \$0.96	\$2.11
A588/709 50W	Nickel Ferrovandium Ferrochromium HC	.150 .060 .550	\$0.66 \$0.49 \$0.96	\$2.11
A615 GR60	Ferrovandium	.050	\$0.40	\$0.40
A615 GR60/A706	Ferrovandium	.050	\$0.40	\$0.40
A615 Gr 75	Ferrovandium	.115	\$0.93	\$0.93
A615 Gr 80	Ferrovandium	.050	\$0.40	\$0.40
A615 Gr80	Ferrovandium	.110	\$0.89	\$0.89
A690	Nickel Ferrovandium	.450 .060	\$1.99 \$0.49	\$2.48
A694 F60	Ferromolybdenum	.035	\$0.83	

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
A694 F60	Ferrovandium	.110	\$0.89	\$1.72
A694 F70	Ferrovandium	.065	\$0.53	\$0.53
A706 GR 60 Chem	Ferrovandium	.025	\$0.20	\$0.20
A706 Gr 80	Ferrovandium	.110	\$0.89	\$0.89
A707 L3	Ferrovandium	.065	\$0.53	\$0.53
A722 Chem	Ferrovandium HC	.700	\$1.22	\$1.22
A739 B22	Ferromolybdenum Ferrochromium LC	1.050 2.375	\$25.01 \$6.58	\$31.59
A860 Chem	Ferrovandium	.065	\$0.53	\$0.53
AB/RQ3	Ferrovandium HC	.175	\$0.30	\$0.30
AB/RQ3S	Ferromolybdenum Nickel Ferrochromium HC	.135 .175 .650	\$3.22 \$0.77 \$1.13	\$5.12
ASTM A193 B16	Ferromolybdenum Ferrovanadium Ferrochromium HC	.580 .300 .980	\$13.82 \$2.43 \$1.71	\$17.96
BV/QR4	Ferromolybdenum Nickel Ferrochromium HC	.425 .600 1.150	\$10.12 \$2.65 \$2.00	\$14.77
C1022M	Ferrovandium HC	.150	\$0.26	\$0.26
C35 Mod	Ferromolybdenum Ferrochromium HC	.050 .600	\$1.19 \$1.04	\$2.23
C50 Mod	Nickel Ferrochromium HC	.200 .270	\$0.88 \$0.47	\$1.35
E4130VD	Ferromolybdenum Nickel Ferrochromium HC	.220 .150 1.050	\$5.24 \$0.66 \$1.83	\$7.73
E4140	Ferromolybdenum Nickel Ferrochromium HC	.200 .200 1.000	\$4.76 \$0.88 \$1.74	\$7.38
E4140M	Ferromolybdenum Nickel Ferrovanadium Ferrochromium HC	.225 .420 .030 1.050	\$5.36 \$1.86 \$0.24 \$1.83	\$9.29
E4145H	Ferromolybdenum	.200	\$4.76	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
E4145H	Ferchromium HC	.950	\$1.65	\$6.41
E4340	Ferromolybdenum	.250	\$5.96	
	Nickel	1.825	\$8.07	
	Ferchromium HC	.800	\$1.39	\$15.42
E4340H	Ferromolybdenum	.275	\$6.55	
	Nickel	1.880	\$8.31	
	Ferchromium HC	.800	\$1.39	\$16.25
E8615H BQ	Ferromolybdenum	.200	\$4.76	
	Nickel	.475	\$2.10	
	Ferchromium HC	.500	\$0.87	\$7.73
E8720M	Ferromolybdenum	.250	\$5.96	
	Nickel	.550	\$2.43	
	Ferchromium HC	.500	\$0.87	\$9.26
ETN-22	Ferromolybdenum	.150	\$3.57	
	Ferchromium HC	.500	\$0.87	\$4.44
ETN-22 BQ	Ferromolybdenum	.150	\$3.57	
	Ferchromium HC	.500	\$0.87	\$4.44
ETN-22 UC	Ferromolybdenum	.150	\$3.57	
	Ferchromium HC	.500	\$0.87	\$4.44
ETN-27	Ferromolybdenum	.150	\$3.57	
	Ferchromium HC	.600	\$1.04	\$4.61
EX15 QL3	Ferromolybdenum	.170	\$4.05	
	Ferchromium HC	.500	\$0.87	\$4.92
EX15/4120	Ferromolybdenum	.165	\$3.93	
	Ferchromium HC	.500	\$0.87	\$4.80
EX16	Ferromolybdenum	.170	\$4.05	
	Ferchromium HC	.500	\$0.87	\$4.92
EX55H	Ferromolybdenum	.740	\$17.63	
	Nickel	1.830	\$8.09	
	Ferchromium HC	.680	\$1.18	\$26.90
F11	Ferromolybdenum	.590	\$14.05	
	Ferchromium LC	1.350	\$3.74	\$17.79
F11 A182	Ferromolybdenum	.590	\$14.05	
	Ferchromium LC	1.350	\$3.74	\$17.79
F12	Ferromolybdenum	.550	\$13.10	
	Ferchromium LC	1.050	\$2.91	\$16.01
F1554 Gr 55	Ferovanadium	.070	\$0.57	\$0.57
F22	Ferromolybdenum	1.000	\$23.82	



Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
F22	Ferrochromium LC	2.350	\$6.51	\$30.33
F22 A182	Ferromolybdenum Ferrochromium LC	1.000 2.350	\$23.82 \$6.51	\$30.33
F5	Ferromolybdenum Ferrochromium LC	.550 5.250	\$13.10 \$14.54	\$27.64
F9	Ferromolybdenum Ferrochromium LC	1.000 9.000	\$23.82 \$24.93	\$48.75
F91	Ferromolybdenum Ferrovanadium Ferrochromium LC	.950 .215 8.800	\$22.63 \$1.74 \$24.38	\$48.75
Grade 100	Ferrovanadium	.230	\$1.86	\$1.86
Grade 150	Ferrochromium HC	.850	\$1.48	\$1.48
Grade 160	Ferrochromium HC	.850	\$1.48	\$1.48
Grade 620	Ferrovanadium	.085	\$0.69	\$0.69
Grade 90	Ferrovanadium	.175	\$1.42	\$1.42
Grade 97	Ferrovanadium	.175	\$1.42	\$1.42
Grade 97/100	Ferrovanadium	.178	\$1.44	\$1.44
JDM A13C #14	Ferrovanadium	.025	\$0.20	\$0.20
LC75	Ferromolybdenum Ferrovanadium	.030 .110	\$0.71 \$0.89	\$1.60
N57M10	Ferrochromium HC	.600	\$1.04	\$1.04
N57M6	Ferromolybdenum Ferrochromium HC	.120 .650	\$2.86 \$1.13	\$3.99
No Grade	Ferrovanadium	.070	\$0.57	\$0.57
PS16RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$4.05 \$0.87	\$4.92
PS17	Ferromolybdenum Ferrochromium HC	.170 .500	\$4.05 \$0.87	\$4.92
PS17 RH	Ferromolybdenum Ferrochromium HC	.170 .500	\$4.05 \$0.87	\$4.92
PS18	Ferromolybdenum Ferrochromium HC	.170 .525	\$4.05 \$0.91	\$4.96

Grade	Alloy	Nominal Value	Surcharge CWT	Total CWT
PS18RH	Ferromolybdenum	.170	\$4.05	\$4.96
	Ferrochromium HC	.525	\$0.91	
S45-MR #13	Ferrovandium	.075	\$0.61	\$0.61
SA105	Ferrovandium	.012	\$0.10	\$0.10
SA350 LF6	Ferrovandium	.045	\$0.36	\$0.36
SBMA740	Ferrovandium	.050	\$0.40	\$0.40
SCM420H	Ferromolybdenum	.200	\$4.76	\$6.71
	Ferrochromium HC	1.120	\$1.95	
SCR420	Ferrochromium HC	1.150	\$2.00	\$2.00
SW85	Ferrovandium	.135	\$1.09	\$1.09
T11 A213	Ferromolybdenum	.600	\$14.29	\$18.03
	Ferrochromium LC	1.350	\$3.74	
T12 A213	Ferromolybdenum	.550	\$13.10	\$16.01
	Ferrochromium LC	1.050	\$2.91	
T1A	Ferromolybdenum	.550	\$13.10	\$13.10
T2	Ferromolybdenum	.560	\$13.34	\$14.47
	Ferrochromium HC	.650	\$1.13	
T2 (7075-9)	Ferromolybdenum	.560	\$13.34	\$14.47
	Ferrochromium HC	.650	\$1.13	
T2 A213	Ferromolybdenum	.560	\$13.34	\$14.47
	Ferrochromium HC	.650	\$1.13	
T22 A213	Ferromolybdenum	1.000	\$23.82	\$30.33
	Ferrochromium LC	2.350	\$6.51	
T5 A213	Ferromolybdenum	.550	\$13.10	\$27.64
	Ferrochromium LC	5.250	\$14.54	
T9 A213	Ferromolybdenum	1.000	\$23.82	\$48.75
	Ferrochromium LC	9.000	\$24.93	
T91 A213	Ferromolybdenum	.950	\$22.63	\$48.75
	Ferrovandium	.215	\$1.74	
	Ferrochromium LC	8.800	\$24.38	
V1027 Mod #16	Ferrovandium	.025	\$0.20	\$0.20
ZF34C	Ferromolybdenum	.050	\$1.19	\$2.23
	Ferrochromium HC	.600	\$1.04	