

STAINLESS STEEL GRADES

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
15-5	\$0.66	\$0.70	\$0.70	\$0.71	\$0.69	\$0.64	\$0.62	\$0.59	\$0.59	\$0.61	\$0.60	\$0.60
16-5	\$0.59	\$0.62	\$0.64	\$0.64	\$0.62	\$0.58	\$0.56	\$0.54	\$0.52	\$0.53	\$0.51	\$0.53
16-6	\$0.70	\$0.75	\$0.76	\$0.77	\$0.74	\$0.68	\$0.65	\$0.62	\$0.60	\$0.62	\$0.60	\$0.62
17-4	\$0.65	\$0.68	\$0.69	\$0.69	\$0.68	\$0.63	\$0.61	\$0.58	\$0.58	\$0.60	\$0.59	\$0.60
17-7	\$0.70	\$0.74	\$0.75	\$0.76	\$0.74	\$0.68	\$0.65	\$0.61	\$0.60	\$0.62	\$0.60	\$0.61
302	\$0.76	\$0.81	\$0.82	\$0.83	\$0.80	\$0.73	\$0.69	\$0.66	\$0.65	\$0.67	\$0.65	\$0.66
303	\$0.78	\$0.84	\$0.85	\$0.86	\$0.83	\$0.75	\$0.71	\$0.68	\$0.66	\$0.69	\$0.66	\$0.68
304/304L	\$0.78	\$0.84	\$0.85	\$0.86	\$0.83	\$0.76	\$0.72	\$0.68	\$0.67	\$0.69	\$0.67	\$0.68
309/309S/309L	\$1.13	\$1.22	\$1.23	\$1.25	\$1.19	\$1.08	\$1.02	\$0.96	\$0.93	\$0.97	\$0.93	\$0.96
310/310S	\$1.46	\$1.58	\$1.60	\$1.63	\$1.53	\$1.40	\$1.31	\$1.23	\$1.18	\$1.24	\$1.18	\$1.22
316/316L	\$1.09	\$1.17	\$1.19	\$1.19	\$1.14	\$1.05	\$1.00	\$0.95	\$0.90	\$0.92	\$0.89	\$0.91
317/317L	\$1.21	\$1.30	\$1.34	\$1.34	\$1.27	\$1.17	\$1.13	\$1.07	\$1.00	\$1.01	\$0.99	\$1.01
321	\$0.84	\$0.90	\$0.91	\$0.92	\$0.89	\$0.81	\$0.76	\$0.72	\$0.71	\$0.73	\$0.70	\$0.73
330/330Cb	\$2.48	\$2.71	\$2.73	\$2.79	\$2.59	\$2.34	\$2.19	\$2.04	\$1.93	\$2.05	\$1.94	\$2.00
347	\$0.98	\$1.04	\$1.05	\$1.06	\$1.02	\$0.94	\$0.90	\$0.85	\$0.84	\$0.87	\$0.84	\$0.85
405/410/410Cb/416	\$0.24	\$0.24	\$0.25	\$0.24	\$0.26	\$0.25	\$0.24	\$0.24	\$0.25	\$0.25	\$0.25	\$0.25
420	\$0.22	\$0.22	\$0.23	\$0.22	\$0.25	\$0.23	\$0.22	\$0.22	\$0.24	\$0.24	\$0.24	\$0.24
420F	\$0.26	\$0.26	\$0.27	\$0.26	\$0.28	\$0.27	\$0.26	\$0.26	\$0.27	\$0.27	\$0.26	\$0.27
422	\$0.40	\$0.39	\$0.40	\$0.41	\$0.41	\$0.38	\$0.39	\$0.40	\$0.42	\$0.41	\$0.42	\$0.42
430/430F	\$0.27	\$0.27	\$0.28	\$0.28	\$0.30	\$0.28	\$0.27	\$0.27	\$0.28	\$0.28	\$0.28	\$0.28
431	\$0.38	\$0.39	\$0.40	\$0.40	\$0.40	\$0.38	\$0.36	\$0.35	\$0.36	\$0.36	\$0.36	\$0.36
440A	\$0.25	\$0.25	\$0.26	\$0.25	\$0.27	\$0.26	\$0.25	\$0.25	\$0.27	\$0.26	\$0.26	\$0.27
440C	\$0.29	\$0.29	\$0.30	\$0.29	\$0.31	\$0.30	\$0.29	\$0.29	\$0.30	\$0.29	\$0.29	\$0.29
446	\$0.31	\$0.31	\$0.32	\$0.32	\$0.34	\$0.32	\$0.31	\$0.31	\$0.33	\$0.32	\$0.32	\$0.33
A-286	\$1.86	\$2.03	\$2.06	\$2.09	\$1.95	\$1.77	\$1.67	\$1.56	\$1.47	\$1.54	\$1.47	\$1.52
Alloy 450 (XM-25)	\$0.86	\$0.90	\$0.92	\$0.91	\$0.89	\$0.83	\$0.80	\$0.77	\$0.75	\$0.76	\$0.74	\$0.75
Duplex 2205 (F51)	\$0.83	\$0.87	\$0.91	\$0.89	\$0.87	\$0.82	\$0.80	\$0.78	\$0.72	\$0.71	\$0.70	\$0.72
F6NM (415)	\$0.49	\$0.51	\$0.52	\$0.52	\$0.52	\$0.48	\$0.46	\$0.44	\$0.44	\$0.44	\$0.43	\$0.44
F91	\$0.28	\$0.28	\$0.29	\$0.28	\$0.30	\$0.29	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28
FV520	\$0.76	\$0.80	\$0.82	\$0.82	\$0.79	\$0.74	\$0.71	\$0.68	\$0.66	\$0.66	\$0.65	\$0.66
Greek Ascoloy (418)	\$0.51	\$0.46	\$0.48	\$0.50	\$0.48	\$0.45	\$0.46	\$0.50	\$0.55	\$0.56	\$0.56	\$0.56
H46/403Cb+	\$0.40	\$0.41	\$0.42	\$0.41	\$0.42	\$0.40	\$0.40	\$0.39	\$0.39	\$0.39	\$0.38	\$0.38
Jethete	\$0.49	\$0.51	\$0.53	\$0.52	\$0.52	\$0.49	\$0.47	\$0.46	\$0.44	\$0.44	\$0.43	\$0.44
N32 (XM-28)	\$0.36	\$0.37	\$0.38	\$0.38	\$0.39	\$0.36	\$0.35	\$0.34	\$0.34	\$0.35	\$0.34	\$0.35
N33 (XM-29)	\$0.48	\$0.50	\$0.51	\$0.51	\$0.50	\$0.47	\$0.45	\$0.43	\$0.43	\$0.44	\$0.42	\$0.43
N40 (XM-11)	\$0.69	\$0.73	\$0.74	\$0.75	\$0.73	\$0.67	\$0.63	\$0.60	\$0.59	\$0.61	\$0.59	\$0.61
N50 (XM-19)	\$1.19	\$1.27	\$1.30	\$1.30	\$1.24	\$1.15	\$1.10	\$1.04	\$0.99	\$1.00	\$0.97	\$1.00
N60 (Alloy 218)	\$0.76	\$0.81	\$0.82	\$0.83	\$0.80	\$0.73	\$0.69	\$0.65	\$0.64	\$0.66	\$0.64	\$0.65

NOTE: Customer specifications which require melt aims differing from standard AISI ranges may carry higher or lower surcharges than shown above.

Surcharges are based on a two month lag with the Applied Rates and Bases for the strategic elements listed below:

Element	Base	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Chromium	\$0.40	\$0.99	\$0.98	\$1.01	\$1.02	\$1.03	\$1.01	\$1.00	\$0.99	\$0.99	\$0.97	\$0.98	\$1.00
Cobalt	\$7.00	\$12.63	\$12.44	\$12.69	\$12.93	\$12.22	\$12.51	\$13.72	\$14.50	\$15.23	\$13.14	\$14.08	\$13.79
Columbium	\$7.00	\$23.75	\$23.75	\$23.75	\$23.00	\$23.00	\$23.00	\$23.00	\$22.50	\$22.75	\$22.75	\$22.75	\$22.00
Copper	\$1.00	\$3.49	\$3.61	\$3.65	\$3.66	\$3.48	\$3.27	\$3.28	\$3.18	\$3.13	\$3.26	\$3.25	\$3.26
Iron	\$0.054	\$0.175	\$0.175	\$0.175	\$0.171	\$0.189	\$0.179	\$0.174	\$0.174	\$0.190	\$0.192	\$0.188	\$0.188
Manganese	\$0.27	\$0.53	\$0.53	\$0.53	\$0.52	\$0.51	\$0.49	\$0.49	\$0.48	\$0.45	\$0.45	\$0.45	\$0.45
Molybdenum	\$5.00	\$10.91	\$11.30	\$11.80	\$11.35	\$11.01	\$10.92	\$11.13	\$11.03	\$9.90	\$9.25	\$9.46	\$9.46
Nickel	\$3.00	\$7.77	\$8.27	\$8.30	\$8.42	\$7.97	\$7.47	\$7.16	\$6.85	\$6.60	\$6.86	\$6.63	\$6.76
Titanium	\$3.50	\$3.06	\$3.28	\$3.33	\$3.33	\$3.31	\$3.11	\$2.87	\$2.79	\$2.76	\$2.85	\$2.76	\$2.71
Tungsten	\$16.50	\$21.72	\$20.13	\$20.41	\$21.10	\$20.20	\$20.00	\$20.82	\$22.38	\$23.45	\$23.81	\$24.00	\$23.70
Vanadium	\$16.50	\$12.07	\$12.94	\$13.98	\$14.70	\$15.03	\$15.22	\$13.72	\$12.94	\$12.60	\$12.75	\$12.56	\$12.16
Natural Gas	\$6.00	\$3.47	\$3.70	\$3.35	\$3.23	\$3.43	\$3.98	\$4.15	\$4.15	\$3.71	\$3.46	\$3.57	\$3.50

2013 SURCHARGES (US\$/Pound)



LOW ALLOY GRADES

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
300M	\$0.39	\$0.41	\$0.42	\$0.41	\$0.42	\$0.39	\$0.37	\$0.36	\$0.37	\$0.38	\$0.37	\$0.37
4330	\$0.39	\$0.41	\$0.41	\$0.41	\$0.42	\$0.39	\$0.37	\$0.36	\$0.37	\$0.38	\$0.37	\$0.37
4340	\$0.38	\$0.40	\$0.40	\$0.39	\$0.41	\$0.37	\$0.36	\$0.35	\$0.36	\$0.37	\$0.36	\$0.36
4620	\$0.36	\$0.38	\$0.38	\$0.38	\$0.39	\$0.36	\$0.34	\$0.33	\$0.35	\$0.36	\$0.34	\$0.35
6150	\$0.21	\$0.21	\$0.21	\$0.21	\$0.23	\$0.22	\$0.21	\$0.21	\$0.23	\$0.24	\$0.23	\$0.23
9310	\$0.47	\$0.49	\$0.49	\$0.49	\$0.50	\$0.45	\$0.43	\$0.41	\$0.42	\$0.44	\$0.42	\$0.43
9430	\$1.30	\$1.36	\$1.39	\$1.41	\$1.32	\$1.26	\$1.31	\$1.33	\$1.35	\$1.22	\$1.26	\$1.26
52-100	\$0.22	\$0.22	\$0.22	\$0.21	\$0.24	\$0.22	\$0.22	\$0.21	\$0.24	\$0.24	\$0.24	\$0.24
D6AC	\$0.35	\$0.36	\$0.37	\$0.36	\$0.38	\$0.35	\$0.35	\$0.34	\$0.35	\$0.34	\$0.34	\$0.34
HyTuf	\$0.39	\$0.41	\$0.41	\$0.41	\$0.42	\$0.39	\$0.37	\$0.36	\$0.37	\$0.38	\$0.36	\$0.37
Nitriding 135	\$0.25	\$0.25	\$0.26	\$0.25	\$0.27	\$0.26	\$0.25	\$0.25	\$0.27	\$0.27	\$0.26	\$0.26

NOTE: Customer specifications which require melt aims differing from standard AISI ranges may carry higher or lower surcharges than shown above.

TOOL STEEL GRADES

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A2	\$0.35	\$0.36	\$0.37	\$0.36	\$0.38	\$0.36	\$0.36	\$0.35	\$0.36	\$0.34	\$0.34	\$0.34
A6	\$0.33	\$0.33	\$0.34	\$0.33	\$0.35	\$0.33	\$0.33	\$0.32	\$0.33	\$0.32	\$0.32	\$0.32
A7	\$0.37	\$0.38	\$0.39	\$0.38	\$0.40	\$0.38	\$0.37	\$0.37	\$0.37	\$0.36	\$0.36	\$0.36
A9	\$0.50	\$0.52	\$0.54	\$0.52	\$0.53	\$0.50	\$0.49	\$0.48	\$0.47	\$0.46	\$0.45	\$0.46
Chipper	\$0.41	\$0.42	\$0.43	\$0.42	\$0.44	\$0.42	\$0.41	\$0.41	\$0.41	\$0.39	\$0.39	\$0.39
D2	\$0.38	\$0.38	\$0.39	\$0.38	\$0.40	\$0.39	\$0.38	\$0.38	\$0.38	\$0.37	\$0.37	\$0.37
H11	\$0.37	\$0.37	\$0.39	\$0.37	\$0.39	\$0.37	\$0.37	\$0.37	\$0.37	\$0.35	\$0.35	\$0.36
H13	\$0.37	\$0.37	\$0.39	\$0.37	\$0.39	\$0.37	\$0.37	\$0.37	\$0.37	\$0.35	\$0.35	\$0.36
L6	\$0.37	\$0.39	\$0.40	\$0.39	\$0.40	\$0.37	\$0.36	\$0.35	\$0.36	\$0.37	\$0.35	\$0.36
M2	\$1.22	\$1.09	\$1.17	\$1.19	\$1.10	\$1.06	\$1.15	\$1.30	\$1.33	\$1.31	\$1.35	\$1.32
M50	\$0.63	\$0.65	\$0.69	\$0.65	\$0.66	\$0.63	\$0.64	\$0.63	\$0.58	\$0.54	\$0.55	\$0.55
O1	\$0.25	\$0.24	\$0.24	\$0.24	\$0.26	\$0.24	\$0.24	\$0.25	\$0.29	\$0.29	\$0.29	\$0.29
O6	\$0.23	\$0.23	\$0.23	\$0.22	\$0.25	\$0.23	\$0.23	\$0.23	\$0.25	\$0.25	\$0.24	\$0.24
S5	\$0.25	\$0.25	\$0.26	\$0.25	\$0.27	\$0.25	\$0.25	\$0.25	\$0.26	\$0.26	\$0.26	\$0.26
S7	\$0.38	\$0.39	\$0.40	\$0.38	\$0.40	\$0.38	\$0.38	\$0.38	\$0.37	\$0.36	\$0.36	\$0.36

NOTE: Customer specifications which require melt aims differing from standard AISI ranges may carry higher or lower surcharges than shown above.

CONVERSION SERVICES

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Energy	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Surcharges are based on a two month lag with the Applied Rates and Bases for the strategic elements listed below:

Element	Base	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Chromium	\$0.40	\$0.99	\$0.98	\$1.01	\$1.02	\$1.03	\$1.01	\$1.00	\$0.99	\$0.99	\$0.97	\$0.98	\$1.00
Cobalt	\$7.00	\$12.63	\$12.44	\$12.69	\$12.93	\$12.22	\$12.51	\$13.72	\$14.50	\$15.23	\$13.14	\$14.08	\$13.79
Columbium	\$7.00	\$23.75	\$23.75	\$23.75	\$23.00	\$23.00	\$23.00	\$23.00	\$22.50	\$22.75	\$22.75	\$22.75	\$22.00
Copper	\$1.00	\$3.49	\$3.61	\$3.65	\$3.66	\$3.48	\$3.27	\$3.28	\$3.18	\$3.13	\$3.26	\$3.25	\$3.26
Iron	\$0.054	\$0.175	\$0.175	\$0.175	\$0.171	\$0.189	\$0.179	\$0.174	\$0.174	\$0.190	\$0.192	\$0.188	\$0.188
Manganese	\$0.27	\$0.53	\$0.53	\$0.53	\$0.52	\$0.51	\$0.49	\$0.49	\$0.48	\$0.45	\$0.45	\$0.45	\$0.45
Molybdenum	\$5.00	\$10.91	\$11.30	\$11.80	\$11.35	\$11.01	\$10.92	\$11.13	\$11.03	\$9.90	\$9.25	\$9.46	\$9.46
Nickel	\$3.00	\$7.77	\$8.27	\$8.30	\$8.42	\$7.97	\$7.47	\$7.16	\$6.85	\$6.60	\$6.86	\$6.63	\$6.76
Titanium	\$3.50	\$3.06	\$3.28	\$3.33	\$3.33	\$3.31	\$3.11	\$2.87	\$2.79	\$2.76	\$2.85	\$2.76	\$2.71
Tungsten	\$16.50	\$21.72	\$20.13	\$20.41	\$21.10	\$20.20	\$20.00	\$20.82	\$22.38	\$23.45	\$23.81	\$24.00	\$23.70
Vanadium	\$16.50	\$12.07	\$12.94	\$13.98	\$14.70	\$15.03	\$15.22	\$13.72	\$12.94	\$12.60	\$12.75	\$12.56	\$12.16
Natural Gas	\$6.00	\$3.47	\$3.70	\$3.35	\$3.23	\$3.43	\$3.98	\$4.15	\$4.15	\$3.71	\$3.46	\$3.57	\$3.50

2013 SURCHARGES (US\$/Pound)



VIM MELTED GRADES

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
13-8	\$1.36	\$1.36	\$1.32	\$1.34	\$1.27	\$1.20	\$1.17	\$1.06	\$1.06	\$1.07	\$1.03	\$1.03
316/316L	\$1.98	\$2.00	\$1.94	\$1.96	\$1.87	\$1.75	\$1.70	\$1.54	\$1.54	\$1.56	\$1.51	\$1.51
4340/4343	\$0.46	\$0.47	\$0.47	\$0.46	\$0.49	\$0.46	\$0.44	\$0.42	\$0.46	\$0.47	\$0.45	\$0.45
9310	\$0.54	\$0.55	\$0.55	\$0.55	\$0.57	\$0.52	\$0.50	\$0.48	\$0.51	\$0.52	\$0.50	\$0.51
Alloy 53	\$0.94	\$0.95	\$0.96	\$0.97	\$0.99	\$0.95	\$0.91	\$0.87	\$0.91	\$0.92	\$0.90	\$0.89
Alloy 100	\$2.10	\$2.12	\$2.16	\$2.22	\$2.06	\$2.02	\$2.16	\$2.23	\$2.35	\$2.03	\$2.15	\$2.11
Alloy 455	\$1.46	\$1.47	\$1.43	\$1.40	\$1.35	\$1.25	\$1.23	\$1.13	\$1.14	\$1.17	\$1.11	\$1.12
M50	\$0.99	\$0.98	\$0.99	\$0.99	\$1.02	\$1.00	\$0.96	\$0.91	\$0.96	\$0.95	\$0.94	\$0.92
M50NiL	\$1.21	\$1.22	\$1.22	\$1.23	\$1.24	\$1.20	\$1.15	\$1.09	\$1.12	\$1.12	\$1.10	\$1.09
Maraging 250	\$2.54	\$2.65	\$2.70	\$2.76	\$2.61	\$2.52	\$2.52	\$2.49	\$2.55	\$2.39	\$2.42	\$2.41
Maraging 300	\$2.62	\$2.72	\$2.78	\$2.84	\$2.69	\$2.60	\$2.62	\$2.61	\$2.68	\$2.48	\$2.53	\$2.51

NOTE: Customer specifications which require melt aims differing from standard AISI ranges may carry higher or lower surcharges than shown above.

Surcharges are based on a two month lag with the Applied Rates and Bases for the strategic elements listed below:

Element	Base	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Chromium	\$2.75	\$5.63	\$5.30	\$4.98	\$4.98	\$4.75	\$4.63	\$4.77	\$4.38	\$4.38	\$4.33	\$4.28	\$4.23
Cobalt	\$7.00	\$12.63	\$12.44	\$12.69	\$12.93	\$12.22	\$12.51	\$13.72	\$14.50	\$15.23	\$13.14	\$14.08	\$13.79
Columbium	\$29.00	\$57.50	\$57.50	\$57.50	\$52.50	\$52.50	\$52.50	\$52.50	\$52.50	\$52.50	\$52.50	\$51.00	\$51.00
Copper	\$1.60	\$3.63	\$3.73	\$3.67	\$3.67	\$3.47	\$3.28	\$3.29	\$3.07	\$3.14	\$3.46	\$3.32	\$3.30
Iron	\$0.054	\$0.175	\$0.175	\$0.175	\$0.171	\$0.189	\$0.179	\$0.174	\$0.174	\$0.190	\$0.192	\$0.188	\$0.188
Manganese	\$1.50	\$1.45	\$1.42	\$1.35	\$1.35	\$1.35	\$1.34	\$1.33	\$1.33	\$1.33	\$1.32	\$1.32	\$1.30
Molybdenum	\$5.00	\$16.00	\$16.13	\$16.50	\$16.75	\$16.75	\$17.00	\$16.25	\$15.75	\$16.00	\$15.75	\$15.75	\$15.50
Nickel	\$3.00	\$7.77	\$8.27	\$8.30	\$8.42	\$7.97	\$7.47	\$7.16	\$6.85	\$6.60	\$6.86	\$6.63	\$6.76
Titanium	\$9.00	\$5.03	\$5.15	\$4.92	\$4.94	\$4.93	\$4.94	\$4.94	\$4.94	\$4.94	\$4.54	\$4.54	\$4.54
Tungsten	\$12.00	\$24.50	\$24.00	\$24.00	\$24.50	\$24.50	\$26.00	\$26.00	\$26.50	\$27.00	\$27.00	\$26.75	\$27.00
Vanadium	\$16.50	\$12.07	\$12.94	\$13.98	\$14.70	\$15.03	\$15.22	\$13.72	\$12.94	\$12.60	\$12.75	\$12.56	\$12.16
Natural Gas	\$6.00	\$3.47	\$3.70	\$3.35	\$3.23	\$3.43	\$3.98	\$4.15	\$4.15	\$3.71	\$3.46	\$3.57	\$3.50