

Sandvik Surcharge Calculation

One Month Prior Element Average (\$/lb.)

	2/16/19 - 3/15/19	3/16/19 - 4/15/19	4/16/19 - 5/15/19	5/16/19 - 6/15/19	6/16/19 - 7/15/19	7/16/19 - 8/15/19
Cr	\$1.120	\$1.162	\$1.200	\$1.200	\$1.116	\$1.040
Ni	\$5.890	\$5.910	\$5.540	\$5.400	\$5.620	\$6.690
Mo	\$13.140	\$13.150	\$13.000	\$12.850	\$12.640	\$12.460
Fe	\$0.134	\$0.133	\$0.128	\$0.125	\$0.120	\$0.121

Monthly Surcharges (\$/lb.)

	Jul-19		Aug-19		Sep-19	
	HF	CF	HF	CF	HF	CF
303	\$0.29	\$0.34	\$0.29	\$0.34	\$0.42	\$0.50
304L	\$0.29	\$0.34	\$0.29	\$0.34	\$0.42	\$0.50
321	\$0.29	\$0.34	\$0.29	\$0.34	\$0.42	\$0.50
347	\$0.29	\$0.34	\$0.29	\$0.34	\$0.42	\$0.50
2507	\$0.75	\$0.88	\$0.73	\$0.85	\$0.79	\$0.93
316L	\$0.57	\$0.67	\$0.58	\$0.68	\$0.73	\$0.86
3R60	\$0.58	\$0.69	\$0.59	\$0.69	\$0.75	\$0.89
310	\$0.43	\$0.50	\$0.45	\$0.54	\$0.72	\$0.85
2205	\$0.63	\$0.74	\$0.61	\$0.71	\$0.66	\$0.77
317L	\$0.70	\$0.82	\$0.70	\$0.82	\$0.86	\$1.01
600	\$0.53	\$0.63	\$0.73	\$0.85	\$1.74	\$2.05
800	\$0.38	\$0.45	\$0.45	\$0.53	\$0.89	\$1.05
825	\$0.77	\$0.91	\$0.85	\$1.01	\$1.40	\$1.64
Alloy 20	\$0.68	\$0.80	\$0.75	\$0.89	\$1.23	\$1.44
400	\$0.39	\$0.46	\$0.59	\$0.69	\$1.54	\$1.81
625	\$1.58	\$1.86	\$1.71	\$2.01	\$2.54	\$2.99
904L	\$0.88	\$1.03	\$0.91	\$1.08	\$1.25	\$1.47
2304	\$0.32	\$0.38	\$0.30	\$0.36	\$0.35	\$0.41
253MA	\$0.30	\$0.35	\$0.30	\$0.36	\$0.44	\$0.52
28//	\$0.83	\$0.98	\$0.88	\$1.03	\$1.28	\$1.51
2RE10	\$0.38	\$0.45	\$0.41	\$0.48	\$0.68	\$0.79
2RE69	\$0.62	\$0.72	\$0.64	\$0.76	\$0.93	\$1.09
3RE60	\$0.56	\$0.66	\$0.54	\$0.64	\$0.59	\$0.69
601	\$0.52	\$0.62	\$0.67	\$0.79	\$1.51	\$1.77
HP160	\$0.58	\$0.68	\$0.57	\$0.67	\$0.69	\$0.81
71	\$0.53	\$0.63	\$0.73	\$0.86	\$1.77	\$2.08
80	\$0.56	\$0.66	\$0.56	\$0.66	\$0.68	\$0.79
200	\$0.53	\$0.62	\$0.82	\$0.96	\$2.23	\$2.62
309	\$0.32	\$0.38	\$0.34	\$0.40	\$0.51	\$0.61
330	\$0.38	\$0.45	\$0.47	\$0.55	\$0.95	\$1.12
446	\$0.29	\$0.34	\$0.26	\$0.30	\$0.23	\$0.27
690	\$0.57	\$0.68	\$0.72	\$0.84	\$1.54	\$1.81
702	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2707	\$0.87	\$1.03	\$0.84	\$0.99	\$0.90	\$1.06
2906	\$0.57	\$0.67	\$0.55	\$0.64	\$0.61	\$0.72
21.6.9	\$0.35	\$0.41	\$0.34	\$0.40	\$0.41	\$0.49
254SMO	\$1.02	\$1.20	\$1.03	\$1.21	\$1.25	\$1.47
316LVAR	\$0.61	\$0.71	\$0.62	\$0.73	\$0.79	\$0.93
353MA	\$0.43	\$0.50	\$0.50	\$0.59	\$0.98	\$1.15
HAST C276	\$2.27	\$2.68	\$2.38	\$2.79	\$3.11	\$3.66
NANOFLEX	\$0.68	\$0.80	\$0.68	\$0.80	\$0.79	\$0.93
SAFUREX	\$0.57	\$0.67	\$0.55	\$0.64	\$0.61	\$0.72
316Ti	\$0.51	\$0.60	\$0.52	\$0.61	\$0.67	\$0.78
410	\$0.20	\$0.23	\$0.18	\$0.21	\$0.17	\$0.20
SA29	\$0.94	\$1.10	\$0.98	\$1.16	\$1.39	\$1.64
SAN23	\$1.05	\$1.23	\$1.07	\$1.26	\$1.34	\$1.58
Nitronic 50	\$0.57	\$0.67	\$0.57	\$0.67	\$0.72	\$0.85
316LVM		\$1.99		\$1.95		\$2.18