

Sandvik Surcharge Calculation

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

	6/16/19 - 7/15/19	7/16/19 - 8/15/19	8/16/19 - 9/15/19	9/16/19 - 10/15/19	10/16/19 - 11/15/19	11/16/19 - 12/15/19
Cr	\$1.116	\$1.040	\$1.040	\$1.030	\$1.020	\$1.020
Ni	\$5.620	\$6.690	\$7.740	\$7.950	\$7.400	\$6.320
Mo	\$12.640	\$12.460	\$12.360	\$11.990	\$9.820	\$9.960
Fe	\$0.120	\$0.121	\$0.110	\$0.093	\$0.102	\$0.113

Monthly Surcharges (\$/lb.)

	Nov-19		Dec-19		Jan-20	
	HF	CF	HF	CF	HF	CF
303	\$0.57	\$0.67	\$0.50	\$0.59	\$0.36	\$0.42
304L	\$0.57	\$0.67	\$0.50	\$0.59	\$0.36	\$0.42
321	\$0.57	\$0.67	\$0.50	\$0.59	\$0.36	\$0.42
347	\$0.57	\$0.67	\$0.50	\$0.59	\$0.36	\$0.42
2507	\$0.86	\$1.01	\$0.70	\$0.83	\$0.62	\$0.73
316L	\$0.90	\$1.06	\$0.74	\$0.87	\$0.58	\$0.68
3R60	\$0.93	\$1.09	\$0.76	\$0.90	\$0.59	\$0.69
310	\$1.04	\$1.22	\$0.88	\$1.03	\$0.59	\$0.70
2205	\$0.70	\$0.83	\$0.58	\$0.68	\$0.52	\$0.61
317L	\$1.03	\$1.21	\$0.84	\$0.98	\$0.67	\$0.78
600	\$2.95	\$3.48	\$2.42	\$2.85	\$1.38	\$1.62
800	\$1.41	\$1.65	\$1.17	\$1.38	\$0.72	\$0.85
825	\$2.03	\$2.39	\$1.66	\$1.95	\$1.09	\$1.28
Alloy 20	\$1.78	\$2.10	\$1.45	\$1.71	\$0.96	\$1.13
400	\$2.66	\$3.12	\$2.17	\$2.55	\$1.21	\$1.42
625	\$3.52	\$4.15	\$2.81	\$3.30	\$1.93	\$2.27
904L	\$1.63	\$1.91	\$1.31	\$1.54	\$0.96	\$1.13
2304	\$0.40	\$0.47	\$0.36	\$0.42	\$0.30	\$0.35
253MA	\$0.60	\$0.70	\$0.52	\$0.61	\$0.37	\$0.44
28//	\$1.77	\$2.08	\$1.44	\$1.69	\$1.00	\$1.18
2RE10	\$1.00	\$1.17	\$0.85	\$0.99	\$0.56	\$0.66
2RE69	\$1.26	\$1.48	\$1.04	\$1.23	\$0.74	\$0.87
3RE60	\$0.63	\$0.74	\$0.52	\$0.61	\$0.46	\$0.55
601	\$2.50	\$2.95	\$2.06	\$2.43	\$1.20	\$1.41
HP160	\$0.81	\$0.96	\$0.67	\$0.79	\$0.54	\$0.64
71	\$3.00	\$3.53	\$2.46	\$2.89	\$1.40	\$1.64
80	\$0.80	\$0.94	\$0.66	\$0.78	\$0.53	\$0.63
200	\$3.89	\$4.58	\$3.17	\$3.73	\$1.74	\$2.05
309	\$0.72	\$0.85	\$0.62	\$0.73	\$0.43	\$0.51
330	\$1.53	\$1.80	\$1.27	\$1.50	\$0.77	\$0.90
446	\$0.20	\$0.24	\$0.21	\$0.24	\$0.22	\$0.26
690	\$2.54	\$2.99	\$2.10	\$2.47	\$1.24	\$1.45
702	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2707	\$0.95	\$1.12	\$0.77	\$0.90	\$0.69	\$0.81
2906	\$0.68	\$0.80	\$0.58	\$0.68	\$0.49	\$0.58
21.6.9	\$0.49	\$0.58	\$0.43	\$0.50	\$0.34	\$0.41
254SMO	\$1.49	\$1.76	\$1.19	\$1.40	\$0.95	\$1.12
316LVAR	\$0.98	\$1.16	\$0.81	\$0.95	\$0.62	\$0.73
353MA	\$1.55	\$1.82	\$1.29	\$1.52	\$0.79	\$0.93
HAST C276	\$3.94	\$4.64	\$3.07	\$3.61	\$2.30	\$2.71
NANOFLEX	\$0.89	\$1.04	\$0.71	\$0.84	\$0.60	\$0.70
SAFUREX	\$0.68	\$0.80	\$0.58	\$0.68	\$0.49	\$0.58
316Ti	\$0.83	\$0.98	\$0.69	\$0.81	\$0.53	\$0.62
410	\$0.14	\$0.17	\$0.15	\$0.17	\$0.16	\$0.18
SA29	\$1.88	\$2.21	\$1.52	\$1.79	\$1.08	\$1.27
SAN23	\$1.66	\$1.95	\$1.32	\$1.56	\$1.02	\$1.20
Nitronic 50	\$0.89	\$1.05	\$0.74	\$0.87	\$0.57	\$0.67
316LVM		\$2.45		\$2.19		\$1.99