

Sandvik Surcharge Calculation

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

	4/16/18 - 5/15/18	5/16/18 - 6/15/18	6/16/18 - 7/15/18	7/16/18 - 8/15/18	8/16/18 - 9/15/18	9/16/18 - 10/15/18
Cr	\$1.420	\$1.420	\$1.400	\$1.380	\$1.380	\$1.307
Ni	\$6.42	\$6.82	\$6.56	\$6.13	\$5.85	\$5.71
Mo	\$13.34	\$12.73	\$12.21	\$13.17	\$13.23	\$13.13
Fe	\$0.148	\$0.145	\$0.149	\$0.140	\$0.130	\$0.136

Monthly Surcharges (\$/lb.)

	Sep-18		Oct-18		Nov-18	
	HF	CF	HF	CF	HF	CF
303	\$0.45	\$0.53	\$0.40	\$0.47	\$0.37	\$0.43
304L	\$0.45	\$0.53	\$0.40	\$0.47	\$0.37	\$0.43
321	\$0.45	\$0.53	\$0.40	\$0.47	\$0.37	\$0.43
347	\$0.45	\$0.53	\$0.40	\$0.47	\$0.37	\$0.43
2507	\$0.91	\$1.06	\$0.87	\$1.03	\$0.84	\$0.98
316L	\$0.76	\$0.90	\$0.71	\$0.83	\$0.67	\$0.79
3R60	\$0.78	\$0.91	\$0.72	\$0.85	\$0.68	\$0.80
310	\$0.70	\$0.82	\$0.62	\$0.73	\$0.56	\$0.66
2205	\$0.76	\$0.90	\$0.73	\$0.86	\$0.70	\$0.83
317L	\$0.90	\$1.05	\$0.84	\$0.99	\$0.80	\$0.94
600	\$1.28	\$1.51	\$1.01	\$1.19	\$0.86	\$1.01
800	\$0.75	\$0.89	\$0.63	\$0.74	\$0.55	\$0.65
825	\$1.23	\$1.45	\$1.08	\$1.27	\$0.98	\$1.16
Alloy 20	\$1.09	\$1.28	\$0.96	\$1.13	\$0.87	\$1.03
400	\$1.05	\$1.24	\$0.80	\$0.94	\$0.67	\$0.79
625	\$2.28	\$2.68	\$2.06	\$2.42	\$1.90	\$2.24
904L	\$1.21	\$1.42	\$1.11	\$1.30	\$1.04	\$1.22
2304	\$0.44	\$0.51	\$0.41	\$0.48	\$0.38	\$0.45
253MA	\$0.47	\$0.55	\$0.42	\$0.49	\$0.38	\$0.45
28//	\$1.22	\$1.43	\$1.10	\$1.29	\$1.01	\$1.19
2RE10	\$0.65	\$0.76	\$0.56	\$0.66	\$0.51	\$0.60
2RE69	\$0.91	\$1.07	\$0.82	\$0.97	\$0.76	\$0.89
3RE60	\$0.68	\$0.80	\$0.66	\$0.77	\$0.63	\$0.74
601	\$1.17	\$1.37	\$0.94	\$1.11	\$0.81	\$0.95
HP160	\$0.75	\$0.88	\$0.70	\$0.83	\$0.66	\$0.78
71	\$1.29	\$1.52	\$1.01	\$1.19	\$0.86	\$1.01
80	\$0.73	\$0.86	\$0.69	\$0.81	\$0.65	\$0.77
200	\$1.49	\$1.75	\$1.12	\$1.32	\$0.94	\$1.10
309	\$0.53	\$0.62	\$0.47	\$0.55	\$0.42	\$0.50
330	\$0.78	\$0.92	\$0.64	\$0.76	\$0.56	\$0.66
446	\$0.37	\$0.44	\$0.36	\$0.43	\$0.34	\$0.40
690	\$1.23	\$1.45	\$1.01	\$1.18	\$0.87	\$1.02
702	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2707	\$1.03	\$1.21	\$1.00	\$1.18	\$0.96	\$1.13
2906	\$0.73	\$0.85	\$0.69	\$0.82	\$0.66	\$0.77
21.6.9	\$0.48	\$0.56	\$0.45	\$0.53	\$0.42	\$0.49
254SMO	\$1.28	\$1.51	\$1.21	\$1.42	\$1.15	\$1.36
316LVAR	\$0.81	\$0.95	\$0.75	\$0.88	\$0.71	\$0.84
353MA	\$0.84	\$0.98	\$0.70	\$0.82	\$0.61	\$0.72
HAST C276	\$2.92	\$3.44	\$2.73	\$3.21	\$2.59	\$3.04
NANOFLEX	\$0.83	\$0.98	\$0.79	\$0.93	\$0.76	\$0.90
SAFUREX	\$0.73	\$0.85	\$0.69	\$0.82	\$0.66	\$0.77
316Ti	\$0.69	\$0.81	\$0.64	\$0.75	\$0.60	\$0.71
410	\$0.25	\$0.29	\$0.23	\$0.28	\$0.23	\$0.27
SA29	\$1.33	\$1.57	\$1.21	\$1.43	\$1.13	\$1.32
SAN23	\$1.35	\$1.59	\$1.27	\$1.50	\$1.20	\$1.42
Nitronic 50	\$0.76	\$0.89	\$0.71	\$0.83	\$0.67	\$0.78
316LVM		\$2.25		\$2.18		\$2.06