

# Sandvik Surcharge Calculation

## One Month Prior Element Average

(\$/lb.)

	1/16/18 - 2/15/18	2/16/18 - 3/15/18	3/16/18 - 4/15/18	4/16/18 - 5/15/18	5/16/18 - 6/15/18	6/16/18 - 7/15/18
<b>Cr</b>	\$1.180	\$1.180	\$1.294	\$1.420	\$1.420	\$1.400
<b>Ni</b>	\$6.01	\$6.19	\$6.05	\$6.42	\$6.82	\$6.56
<b>Mo</b>	\$13.54	\$13.95	\$13.63	\$13.34	\$12.73	\$12.21
<b>Fe</b>	\$0.149	\$0.152	\$0.155	\$0.148	\$0.145	\$0.149

## Monthly Surcharges

(\$/lb.)

	Jun-18		Jul-18		Aug-18	
	HF	CF	HF	CF	HF	CF
<b>303</b>	\$0.51	\$0.59	\$0.56	\$0.66	\$0.52	\$0.61
<b>304L</b>	\$0.51	\$0.59	\$0.56	\$0.66	\$0.52	\$0.61
<b>321</b>	\$0.51	\$0.59	\$0.56	\$0.66	\$0.52	\$0.61
<b>347</b>	\$0.51	\$0.59	\$0.56	\$0.66	\$0.52	\$0.61
<b>2507</b>	\$0.96	\$1.13	\$0.96	\$1.14	\$0.91	\$1.07
<b>316L</b>	\$0.83	\$0.98	\$0.88	\$1.03	\$0.81	\$0.96
<b>3R60</b>	\$0.85	\$1.00	\$0.89	\$1.05	\$0.83	\$0.98
<b>310</b>	\$0.80	\$0.94	\$0.90	\$1.06	\$0.82	\$0.97
<b>2205</b>	\$0.81	\$0.95	\$0.81	\$0.95	\$0.77	\$0.90
<b>317L</b>	\$0.97	\$1.14	\$1.01	\$1.19	\$0.94	\$1.10
<b>600</b>	\$1.57	\$1.85	\$1.96	\$2.30	\$1.70	\$2.00
<b>800</b>	\$0.89	\$1.05	\$1.06	\$1.25	\$0.95	\$1.11
<b>825</b>	\$1.41	\$1.66	\$1.60	\$1.88	\$1.43	\$1.69
<b>Alloy 20</b>	\$1.25	\$1.47	\$1.41	\$1.66	\$1.27	\$1.49
<b>400</b>	\$1.31	\$1.55	\$1.67	\$1.96	\$1.44	\$1.69
<b>625</b>	\$2.55	\$3.01	\$2.81	\$3.31	\$2.53	\$2.97
<b>904L</b>	\$1.33	\$1.57	\$1.43	\$1.68	\$1.31	\$1.54
<b>2304</b>	\$0.47	\$0.56	\$0.49	\$0.58	\$0.47	\$0.56
<b>253MA</b>	\$0.53	\$0.62	\$0.59	\$0.69	\$0.55	\$0.64
<b>28//</b>	\$1.36	\$1.60	\$1.50	\$1.76	\$1.36	\$1.60
<b>2RE10</b>	\$0.75	\$0.88	\$0.85	\$1.00	\$0.78	\$0.91
<b>2RE69</b>	\$1.02	\$1.20	\$1.11	\$1.31	\$1.02	\$1.20
<b>3RE60</b>	\$0.72	\$0.85	\$0.72	\$0.85	\$0.69	\$0.81
<b>601</b>	\$1.41	\$1.66	\$1.73	\$2.04	\$1.52	\$1.79
<b>HP160</b>	\$0.81	\$0.95	\$0.84	\$0.99	\$0.78	\$0.92
<b>71</b>	\$1.59	\$1.87	\$1.98	\$2.33	\$1.72	\$2.02
<b>80</b>	\$0.79	\$0.93	\$0.83	\$0.97	\$0.77	\$0.91
<b>200</b>	\$1.87	\$2.21	\$2.40	\$2.83	\$2.06	\$2.42
<b>309</b>	\$0.60	\$0.71	\$0.67	\$0.79	\$0.62	\$0.73
<b>330</b>	\$0.93	\$1.10	\$1.12	\$1.32	\$1.00	\$1.17
<b>446</b>	\$0.39	\$0.46	\$0.39	\$0.46	\$0.39	\$0.46
<b>690</b>	\$1.48	\$1.74	\$1.80	\$2.12	\$1.59	\$1.87
<b>702</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>2707</b>	\$1.09	\$1.28	\$1.08	\$1.27	\$1.02	\$1.20
<b>2906</b>	\$0.78	\$0.91	\$0.79	\$0.93	\$0.75	\$0.88
<b>21.6.9</b>	\$0.52	\$0.62	\$0.55	\$0.65	\$0.52	\$0.61
<b>254SMO</b>	\$1.38	\$1.62	\$1.42	\$1.68	\$1.32	\$1.55
<b>316LVAR</b>	\$0.89	\$1.04	\$0.94	\$1.10	\$0.87	\$1.02
<b>353MA</b>	\$0.99	\$1.16	\$1.17	\$1.38	\$1.05	\$1.23
<b>HAST C276</b>	\$3.18	\$3.74	\$3.35	\$3.94	\$3.04	\$3.58
<b>NANOFLEX</b>	\$0.89	\$1.04	\$0.90	\$1.06	\$0.84	\$0.99
<b>SAFUREX</b>	\$0.78	\$0.91	\$0.79	\$0.93	\$0.75	\$0.88
<b>316Ti</b>	\$0.76	\$0.89	\$0.80	\$0.94	\$0.74	\$0.87
<b>410</b>	\$0.26	\$0.31	\$0.26	\$0.31	\$0.26	\$0.31
<b>SA29</b>	\$1.48	\$1.74	\$1.61	\$1.90	\$1.47	\$1.73
<b>SAN23</b>	\$1.47	\$1.73	\$1.54	\$1.81	\$1.42	\$1.67
<b>Nitronic 50</b>	\$0.83	\$0.98	\$0.88	\$1.03	\$0.82	\$0.96
<b>316LVM</b>		\$2.25		\$2.37		\$2.32