

# Sandvik Surcharge Calculation

## One Month Prior Element Average

(\$/lb.)

	9/16/16 - 10/15/16	10/16/16 - 11/15/16	11/16/16 - 12/15/16	12/16/16 - 1/15/17	1/16/17 - 2/15/17	2/16/17 - 3/15/17
<b>Cr</b>	\$1.028	\$1.100	\$1.100	\$1.320	\$1.650	\$1.650
<b>Ni</b>	\$4.68	\$4.82	\$5.14	\$4.71	\$4.59	\$4.84
<b>Mo</b>	\$7.77	\$7.57	\$7.69	\$7.82	\$8.20	\$8.84
<b>Fe</b>	\$0.089	\$0.101	\$0.113	\$0.119	\$0.105	\$0.119

## Monthly Surcharges

(\$/lb.)

	Feb-17		Mar-17		Apr-17	
	HF	CF	HF	CF	HF	CF
<b>303</b>	\$0.25	\$0.30	\$0.32	\$0.38	\$0.34	\$0.40
<b>304L</b>	\$0.25	\$0.30	\$0.32	\$0.38	\$0.34	\$0.40
<b>321</b>	\$0.25	\$0.30	\$0.32	\$0.38	\$0.34	\$0.40
<b>347</b>	\$0.25	\$0.30	\$0.32	\$0.38	\$0.34	\$0.40
<b>2507</b>	\$0.49	\$0.58	\$0.61	\$0.72	\$0.65	\$0.77
<b>316L</b>	\$0.36	\$0.43	\$0.44	\$0.52	\$0.48	\$0.56
<b>3R60</b>	\$0.36	\$0.43	\$0.44	\$0.52	\$0.47	\$0.56
<b>310</b>	\$0.32	\$0.38	\$0.42	\$0.50	\$0.44	\$0.51
<b>2205</b>	\$0.43	\$0.50	\$0.53	\$0.62	\$0.57	\$0.67
<b>317L</b>	\$0.42	\$0.49	\$0.51	\$0.60	\$0.55	\$0.65
<b>600</b>	\$0.17	\$0.20	\$0.24	\$0.28	\$0.24	\$0.29
<b>800</b>	\$0.24	\$0.28	\$0.32	\$0.38	\$0.33	\$0.39
<b>825</b>	\$0.39	\$0.46	\$0.49	\$0.58	\$0.52	\$0.62
<b>Alloy 20</b>	\$0.36	\$0.42	\$0.45	\$0.53	\$0.48	\$0.56
<b>400</b>	\$0.03	\$0.04	\$0.03	\$0.03	\$0.03	\$0.04
<b>625</b>	\$0.68	\$0.80	\$0.84	\$0.99	\$0.92	\$1.08
<b>904L</b>	\$0.47	\$0.55	\$0.58	\$0.68	\$0.62	\$0.73
<b>2304</b>	\$0.30	\$0.36	\$0.39	\$0.46	\$0.41	\$0.48
<b>253MA</b>	\$0.27	\$0.32	\$0.35	\$0.41	\$0.36	\$0.42
<b>28//</b>	\$0.47	\$0.55	\$0.60	\$0.70	\$0.64	\$0.75
<b>2RE10</b>	\$0.30	\$0.35	\$0.40	\$0.47	\$0.41	\$0.48
<b>2RE69</b>	\$0.39	\$0.46	\$0.50	\$0.59	\$0.53	\$0.63
<b>3RE60</b>	\$0.38	\$0.45	\$0.46	\$0.54	\$0.50	\$0.59
<b>601</b>	\$0.24	\$0.28	\$0.34	\$0.40	\$0.34	\$0.40
<b>HP160</b>	\$0.38	\$0.45	\$0.47	\$0.56	\$0.51	\$0.60
<b>71</b>	\$0.16	\$0.19	\$0.23	\$0.27	\$0.23	\$0.28
<b>80</b>	\$0.38	\$0.44	\$0.47	\$0.55	\$0.50	\$0.59
<b>200</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>309</b>	\$0.28	\$0.33	\$0.37	\$0.43	\$0.38	\$0.45
<b>330</b>	\$0.22	\$0.26	\$0.30	\$0.35	\$0.30	\$0.36
<b>446</b>	\$0.33	\$0.39	\$0.43	\$0.51	\$0.45	\$0.52
<b>690</b>	\$0.30	\$0.35	\$0.43	\$0.51	\$0.43	\$0.51
<b>702</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>2707</b>	\$0.55	\$0.65	\$0.68	\$0.80	\$0.73	\$0.86
<b>2906</b>	\$0.44	\$0.52	\$0.57	\$0.67	\$0.59	\$0.70
<b>21.6.9</b>	\$0.29	\$0.35	\$0.38	\$0.44	\$0.39	\$0.46
<b>254SMO</b>	\$0.54	\$0.64	\$0.65	\$0.77	\$0.71	\$0.84
<b>316LVAR</b>	\$0.37	\$0.43	\$0.45	\$0.53	\$0.48	\$0.57
<b>353MA</b>	\$0.28	\$0.33	\$0.38	\$0.45	\$0.39	\$0.46
<b>HAST C276</b>	\$0.93	\$1.09	\$1.08	\$1.27	\$1.21	\$1.43
<b>NANOFLEX</b>	\$0.38	\$0.45	\$0.44	\$0.52	\$0.49	\$0.57
<b>SAFUREX</b>	\$0.44	\$0.52	\$0.57	\$0.67	\$0.59	\$0.70
<b>316Ti</b>	\$0.33	\$0.39	\$0.40	\$0.47	\$0.43	\$0.51
<b>410</b>	\$0.21	\$0.24	\$0.25	\$0.29	\$0.26	\$0.31
<b>SA29</b>	\$0.51	\$0.60	\$0.65	\$0.76	\$0.69	\$0.81
<b>304/L MEDICAL</b>						
<b>316LVM</b>		\$1.54		\$1.57		\$1.64