

# Sandvik Surcharge Calculation

## One Month Prior Element Average

(\$/lb.)

	4/16/17 - 5/15/17	5/16/17 - 6/15/17	6/16/17 - 7/15/17	7/16/17 - 8/15/17	8/16/17 - 9/15/17	9/16/17 - 10/15/17
<b>Cr</b>	\$1.540	\$1.540	\$1.100	\$1.100	\$1.100	\$1.245
<b>Ni</b>	\$4.21	\$4.06	\$4.12	\$4.59	\$5.22	\$4.88
<b>Mo</b>	\$9.62	\$8.82	\$8.81	\$8.87	\$9.49	\$9.50
<b>Fe</b>	\$0.112	\$0.113	\$0.124	\$0.134	\$0.149	\$0.132

## Monthly Surcharges

(\$/lb.)

	Sep-17		Oct-17		Nov-17	
	HF	CF	HF	CF	HF	CF
<b>303</b>	\$0.21	\$0.25	\$0.26	\$0.30	\$0.25	\$0.29
<b>304L</b>	\$0.21	\$0.25	\$0.26	\$0.30	\$0.25	\$0.29
<b>321</b>	\$0.21	\$0.25	\$0.26	\$0.30	\$0.25	\$0.29
<b>347</b>	\$0.21	\$0.25	\$0.26	\$0.30	\$0.25	\$0.29
<b>2507</b>	\$0.48	\$0.57	\$0.55	\$0.64	\$0.56	\$0.66
<b>316L</b>	\$0.36	\$0.42	\$0.43	\$0.50	\$0.41	\$0.48
<b>3R60</b>	\$0.36	\$0.42	\$0.43	\$0.51	\$0.41	\$0.49
<b>310</b>	\$0.27	\$0.31	\$0.34	\$0.40	\$0.32	\$0.37
<b>2205</b>	\$0.42	\$0.49	\$0.47	\$0.56	\$0.49	\$0.57
<b>317L</b>	\$0.42	\$0.50	\$0.50	\$0.59	\$0.49	\$0.57
<b>600</b>	\$0.13	\$0.15	\$0.34	\$0.40	\$0.16	\$0.18
<b>800</b>	\$0.19	\$0.23	\$0.30	\$0.35	\$0.23	\$0.27
<b>825</b>	\$0.38	\$0.44	\$0.52	\$0.62	\$0.44	\$0.52
<b>Alloy 20</b>	\$0.34	\$0.40	\$0.47	\$0.56	\$0.40	\$0.47
<b>400</b>	\$0.04	\$0.05	\$0.24	\$0.28	\$0.04	\$0.04
<b>625</b>	\$0.74	\$0.87	\$0.99	\$1.17	\$0.86	\$1.01
<b>904L</b>	\$0.48	\$0.57	\$0.60	\$0.71	\$0.56	\$0.66
<b>2304</b>	\$0.26	\$0.30	\$0.29	\$0.34	\$0.30	\$0.35
<b>253MA</b>	\$0.22	\$0.26	\$0.27	\$0.31	\$0.26	\$0.30
<b>28//</b>	\$0.45	\$0.53	\$0.57	\$0.68	\$0.53	\$0.62
<b>2RE10</b>	\$0.24	\$0.28	\$0.31	\$0.36	\$0.28	\$0.33
<b>2RE69</b>	\$0.36	\$0.42	\$0.45	\$0.53	\$0.42	\$0.50
<b>3RE60</b>	\$0.38	\$0.44	\$0.43	\$0.50	\$0.43	\$0.51
<b>601</b>	\$0.18	\$0.21	\$0.36	\$0.42	\$0.22	\$0.26
<b>HP160</b>	\$0.37	\$0.43	\$0.43	\$0.51	\$0.43	\$0.50
<b>71</b>	\$0.12	\$0.14	\$0.34	\$0.40	\$0.15	\$0.18
<b>80</b>	\$0.36	\$0.43	\$0.42	\$0.50	\$0.42	\$0.49
<b>200</b>	\$0.00	\$0.00	\$0.29	\$0.34	\$0.00	\$0.00
<b>309</b>	\$0.23	\$0.27	\$0.28	\$0.33	\$0.27	\$0.32
<b>330</b>	\$0.18	\$0.21	\$0.29	\$0.34	\$0.21	\$0.25
<b>446</b>	\$0.27	\$0.31	\$0.28	\$0.33	\$0.32	\$0.37
<b>690</b>	\$0.22	\$0.25	\$0.39	\$0.46	\$0.27	\$0.32
<b>702</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>2707</b>	\$0.55	\$0.65	\$0.63	\$0.74	\$0.64	\$0.76
<b>2906</b>	\$0.39	\$0.46	\$0.44	\$0.52	\$0.47	\$0.55
<b>21.6.9</b>	\$0.26	\$0.30	\$0.30	\$0.35	\$0.30	\$0.36
<b>254SMO</b>	\$0.58	\$0.68	\$0.69	\$0.82	\$0.67	\$0.79
<b>316LVAR</b>	\$0.37	\$0.43	\$0.45	\$0.52	\$0.42	\$0.50
<b>353MA</b>	\$0.21	\$0.25	\$0.32	\$0.38	\$0.26	\$0.31
<b>HAST C276</b>	\$1.11	\$1.31	\$1.41	\$1.65	\$1.27	\$1.50
<b>NANOFLEX</b>	\$0.42	\$0.49	\$0.49	\$0.57	\$0.47	\$0.55
<b>SAFUREX</b>	\$0.39	\$0.46	\$0.44	\$0.52	\$0.47	\$0.55
<b>316Ti</b>	\$0.32	\$0.38	\$0.39	\$0.45	\$0.37	\$0.43
<b>410</b>	\$0.19	\$0.22	\$0.21	\$0.24	\$0.21	\$0.25
<b>SA29</b>	\$0.50	\$0.59	\$0.64	\$0.75	\$0.59	\$0.69
<b>304/L MEDICAL</b>						
<b>316LVM</b>		\$1.53		\$1.74		\$1.66