

# Sandvik Surcharge Calculation

## One Month Prior Element Average

(\$/lb.)

	7/16/16 - 8/15/16	8/16/16 - 9/15/16	9/16/16 - 10/15/16	10/16/16 - 11/15/16	11/16/16 - 12/15/16	12/16/16 - 1/15/17
<b>Cr</b>	\$0.980	\$0.980	\$1.028	\$1.100	\$1.100	\$1.320
<b>Ni</b>	\$4.79	\$4.55	\$4.68	\$4.82	\$5.14	\$4.71
<b>Mo</b>	\$7.94	\$8.18	\$7.77	\$7.57	\$7.69	\$7.82
<b>Fe</b>	\$0.094	\$0.094	\$0.089	\$0.101	\$0.113	\$0.119

## Monthly Surcharges

(\$/lb.)

	Dec-16		Jan-17		Feb-17	
	HF	CF	HF	CF	HF	CF
<b>303</b>	\$0.18	\$0.21	\$0.21	\$0.25	\$0.25	\$0.30
<b>304L</b>	\$0.18	\$0.21	\$0.21	\$0.25	\$0.25	\$0.30
<b>321</b>	\$0.18	\$0.21	\$0.21	\$0.25	\$0.25	\$0.30
<b>347</b>	\$0.18	\$0.21	\$0.21	\$0.25	\$0.25	\$0.30
<b>2507</b>	\$0.39	\$0.46	\$0.42	\$0.49	\$0.49	\$0.58
<b>316L</b>	\$0.29	\$0.34	\$0.32	\$0.38	\$0.36	\$0.43
<b>3R60</b>	\$0.29	\$0.34	\$0.33	\$0.38	\$0.36	\$0.43
<b>310</b>	\$0.23	\$0.27	\$0.28	\$0.33	\$0.32	\$0.38
<b>2205</b>	\$0.34	\$0.40	\$0.36	\$0.43	\$0.43	\$0.50
<b>317L</b>	\$0.34	\$0.39	\$0.38	\$0.44	\$0.42	\$0.49
<b>600</b>	\$0.12	\$0.14	\$0.26	\$0.30	\$0.17	\$0.20
<b>800</b>	\$0.17	\$0.20	\$0.24	\$0.28	\$0.24	\$0.28
<b>825</b>	\$0.31	\$0.36	\$0.39	\$0.46	\$0.39	\$0.46
<b>Alloy 20</b>	\$0.28	\$0.33	\$0.36	\$0.42	\$0.36	\$0.42
<b>400</b>	\$0.02	\$0.03	\$0.15	\$0.18	\$0.03	\$0.04
<b>625</b>	\$0.58	\$0.68	\$0.71	\$0.84	\$0.68	\$0.80
<b>904L</b>	\$0.38	\$0.45	\$0.45	\$0.52	\$0.47	\$0.55
<b>2304</b>	\$0.22	\$0.26	\$0.24	\$0.28	\$0.30	\$0.36
<b>253MA</b>	\$0.19	\$0.23	\$0.22	\$0.26	\$0.27	\$0.32
<b>28//</b>	\$0.37	\$0.43	\$0.44	\$0.52	\$0.47	\$0.55
<b>2RE10</b>	\$0.21	\$0.25	\$0.26	\$0.30	\$0.30	\$0.35
<b>2RE69</b>	\$0.30	\$0.35	\$0.35	\$0.42	\$0.39	\$0.46
<b>3RE60</b>	\$0.30	\$0.35	\$0.32	\$0.38	\$0.38	\$0.45
<b>601</b>	\$0.17	\$0.20	\$0.28	\$0.33	\$0.24	\$0.28
<b>HP160</b>	\$0.30	\$0.35	\$0.33	\$0.39	\$0.38	\$0.45
<b>71</b>	\$0.12	\$0.14	\$0.25	\$0.30	\$0.16	\$0.19
<b>80</b>	\$0.29	\$0.35	\$0.33	\$0.38	\$0.38	\$0.44
<b>200</b>	\$0.00	\$0.00	\$0.19	\$0.22	\$0.00	\$0.00
<b>309</b>	\$0.20	\$0.24	\$0.24	\$0.28	\$0.28	\$0.33
<b>330</b>	\$0.16	\$0.18	\$0.23	\$0.27	\$0.22	\$0.26
<b>446</b>	\$0.23	\$0.28	\$0.25	\$0.29	\$0.33	\$0.39
<b>690</b>	\$0.21	\$0.25	\$0.32	\$0.38	\$0.30	\$0.35
<b>702</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>2707</b>	\$0.44	\$0.52	\$0.47	\$0.56	\$0.55	\$0.65
<b>2906</b>	\$0.33	\$0.39	\$0.36	\$0.42	\$0.44	\$0.52
<b>21.6.9</b>	\$0.22	\$0.26	\$0.24	\$0.28	\$0.29	\$0.35
<b>254SMO</b>	\$0.45	\$0.53	\$0.50	\$0.59	\$0.54	\$0.64
<b>316LVAR</b>	\$0.29	\$0.34	\$0.33	\$0.39	\$0.37	\$0.43
<b>353MA</b>	\$0.20	\$0.23	\$0.27	\$0.32	\$0.28	\$0.33
<b>HAST C276</b>	\$0.83	\$0.98	\$0.96	\$1.13	\$0.93	\$1.09
<b>NANOFLEX</b>	\$0.31	\$0.37	\$0.35	\$0.41	\$0.38	\$0.45
<b>SAFUREX</b>	\$0.33	\$0.39	\$0.36	\$0.42	\$0.44	\$0.52
<b>316Ti</b>	\$0.26	\$0.30	\$0.29	\$0.34	\$0.33	\$0.39
<b>410</b>	\$0.15	\$0.18	\$0.16	\$0.19	\$0.21	\$0.24
<b>SA29</b>	\$0.41	\$0.48	\$0.48	\$0.57	\$0.51	\$0.60
<b>304/L MEDICAL</b>						
<b>316LVM</b>		\$1.40		\$1.51		\$1.54