Sandvik Surcharge Calculation

One Month Prior Element Average

(\$/lb.)

	8/16/15 -	9/16/15 -	10/16/15 -	11/16/15 -	12/16/15 -	1/16/16 -
	9/15/15	10/15/15	11/15/15	12/15/15	1/15/16	2/15/16
Cr	\$1.080	\$1.040	\$1.040	\$0.920	\$0.920	\$0.920
Ni	\$4.52	\$4.57	\$4.56	\$3.99	\$3.85	\$3.80
Мо	\$6.63	\$6.39	\$5.68	\$5.69	\$6.23	\$6.14
Fe	\$0.093	\$0.080	\$0.074	\$0.079	\$0.078	\$0.075

Monthly Surcharges

(\$/lb.)

HF 303 \$0.12 304L \$0.12 321 \$0.12 347 \$0.12 2507 \$0.22 316L \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	n-16 CF \$0.14 \$0.14 \$0.14	HF \$0.11	o-16 CF \$0.13	HF	r-16 CF
303 \$0.12 304L \$0.12 321 \$0.12 347 \$0.12 2507 \$0.22 316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.14 \$0.14	\$0.11			L CL
304L \$0.12 321 \$0.12 347 \$0.12 2507 \$0.22 316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.14			¢Ω 11	
321 \$0.12 347 \$0.12 2507 \$0.22 316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07		• ΦN 11	\$0.13	\$0.11	\$0.13
347 \$0.12 2507 \$0.22 316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	1 80.14	\$0.11	\$0.13	\$0.11	\$0.13
2507 \$0.22 316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07		\$0.11		\$0.11	\$0.13
316L \$0.16 3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.14	\$0.11	\$0.13	\$0.11	\$0.13
3R60 \$0.16 310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.25	\$0.24	\$0.28	\$0.23	\$0.28
310 \$0.14 2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.19	\$0.18	\$0.21	\$0.17	\$0.20
2205 \$0.19 317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.19	\$0.18	\$0.21	\$0.17	\$0.20
317L \$0.18 600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17	\$0.17	\$0.15	\$0.17	\$0.14	\$0.17
600 \$0.08 800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.22	\$0.21	\$0.25	\$0.20	\$0.24
800 \$0.11 825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.22	\$0.21	\$0.24	\$0.20	\$0.24
825 \$0.17 Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.09	\$0.08	\$0.09	\$0.08	\$0.09
Alloy 20 \$0.16 400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.13	\$0.11	\$0.13	\$0.11	\$0.13
400 \$0.01 625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.20	\$0.19	\$0.23	\$0.19	\$0.22
625 \$0.29 904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.19	\$0.17	\$0.21	\$0.17	\$0.20
904L \$0.20 2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02
2304 \$0.14 253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.34	\$0.36	\$0.42	\$0.35	\$0.41
253MA \$0.12 28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.24	\$0.24	\$0.28	\$0.23	\$0.27
28// \$0.21 2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.16	\$0.14	\$0.16	\$0.14	\$0.16
2RE10 \$0.13 2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.14	\$0.12	\$0.14	\$0.12	\$0.14
2RE69 \$0.17 3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.24	\$0.23	\$0.27	\$0.23	\$0.26
3RE60 \$0.17 601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.16	\$0.13	\$0.16	\$0.13	\$0.16
601 \$0.11 HP160 \$0.17 71 \$0.07	\$0.20	\$0.19	\$0.22	\$0.18	\$0.22
HP160 \$0.17 71 \$0.07	\$0.20	\$0.19	\$0.22	\$0.18	\$0.21
71 \$0.07	\$0.13	\$0.11	\$0.13	\$0.11	\$0.13
	\$0.20	\$0.19	\$0.22	\$0.18	\$0.21
	\$0.09	\$0.07	\$0.09	\$0.07	\$0.09
80 \$0.17	\$0.20	\$0.18	\$0.21	\$0.18	\$0.21
200 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
309 \$0.13	\$0.15	\$0.13	\$0.15	\$0.12	\$0.15
330 \$0.10	\$0.12	\$0.10	\$0.12	\$0.10	\$0.12
446 \$0.15	\$0.18	\$0.15	\$0.17	\$0.15	\$0.17
690 \$0.14	\$0.16	\$0.14	\$0.16	\$0.14	\$0.16
702 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2707 \$0.24	\$0.28	\$0.27	\$0.32	\$0.27	\$0.31
2906 \$0.20	\$0.23	\$0.21	\$0.25	\$0.20	\$0.24
21.6.9 \$0.13	\$0.16	\$0.14	\$0.16	\$0.13	\$0.16
254SMO \$0.23	\$0.28	\$0.28	\$0.33	\$0.27	\$0.32
316LVAR \$0.16	\$0.19	\$0.18	\$0.21	\$0.18	\$0.21
353MA \$0.13	\$0.15	\$0.13	\$0.15	\$0.12	\$0.15
HAST C276 \$0.39	\$0.46	\$0.51	\$0.60	\$0.49	\$0.57
NANOFLEX \$0.16	\$0.19	\$0.19	\$0.23	\$0.19	\$0.22
SAFUREX \$0.20	\$0.23	\$0.21	\$0.25	\$0.20	\$0.24
316Ti \$0.14	\$0.17	\$0.16	\$0.19	\$0.15	\$0.18
410 \$0.09	\$0.11	\$0.09	\$0.11	\$0.09	\$0.11
SA29 \$0.22	\$0.26	\$0.26	\$0.30	\$0.25	\$0.29
304/L MEDICAL					
316LVM	\$1.09		\$1.09	<u> </u>	\$1.04