

**STAINLESS BAR
RAW MATERIAL COMPOSITION
\$/LB**

DECEMBER 2018 SURCHARGE TABLE

GRADE	Ni	Mo	Cr	Fe	Cu	ENERGY	TOTAL
302HQ	\$0.30	\$0.22	\$0.16	\$0.09	\$0.06	\$0.00	\$0.83
303	\$0.27	\$0.01	\$0.17	\$0.09	\$0.01	\$0.00	\$0.55
304/L	\$0.27	\$0.01	\$0.17	\$0.09	\$0.01	\$0.00	\$0.55
316/L	\$0.33	\$0.19	\$0.17	\$0.09	\$0.01	\$0.00	\$0.79
316Ti	\$0.33	\$0.19	\$0.17	\$0.09	\$0.01	\$0.00	\$0.79
305	\$0.37	\$0.00	\$0.18	\$0.09	\$0.00	\$0.00	\$0.64
310	\$0.66	\$0.00	\$0.25	\$0.07	\$0.00	\$0.00	\$0.98
314	\$0.68	\$0.00	\$0.25	\$0.07	\$0.00	\$0.00	\$1.00
321	\$0.30	\$0.00	\$0.18	\$0.09	\$0.00	\$0.00	\$0.57
347	\$0.31	\$0.00	\$0.18	\$0.09	\$0.00	\$0.00	\$0.58
410	\$0.00	\$0.00	\$0.12	\$0.11	\$0.00	\$0.00	\$0.23
416	\$0.01	\$0.00	\$0.13	\$0.11	\$0.00	\$0.00	\$0.25
420	\$0.01	\$0.00	\$0.13	\$0.11	\$0.00	\$0.00	\$0.25
430	\$0.01	\$0.00	\$0.17	\$0.11	\$0.00	\$0.00	\$0.29
430F	\$0.01	\$0.00	\$0.17	\$0.11	\$0.00	\$0.00	\$0.29
430FR	\$0.01	\$0.00	\$0.17	\$0.11	\$0.00	\$0.00	\$0.29
630 (17-4)	\$0.17	\$0.00	\$0.16	\$0.10	\$0.08	\$0.00	\$0.51
2205	0.19	0.23	0.22	0.09	0.00	\$0.00	\$0.73
ALLOY							
B7	\$0.00	\$0.02	\$0.01	\$0.13	\$0.00	\$0.00	\$0.16
B16	\$0.00	\$0.04	\$0.01	\$0.13	\$0.00	\$0.00	\$0.18

	Base	November 20, 2018 Averages
Molybdenum	\$5.00	\$12.01
Nickel	\$3.00	\$5.52
Nickel Premium		\$0.38
Chrome	\$0.40	\$1.24
Iron	\$0.0625	\$0.18
Copper	\$1.00	\$2.80
Natural Gas	\$6.00	\$3.56