

# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



If an alloy you purchase is not listed, call Carpenter within the U.S. at 800-654-6543.  
Outside the U.S., call 1-610-208-2000, press 2 for Customer Service.

## STAINLESS STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless	0.62	0.71	0.74	0.77	0.78	0.77	0.77	0.78	0.85	0.81	0.82	0.81
CarTech® 15-15LC® Modified Stainless	0.62	0.71	0.73	0.76	0.76	0.76	0.76	0.76	0.84	0.80	0.81	0.81
CarTech® 20Cb-3® Stainless	1.87	2.23	2.41	2.40	2.48	2.55	2.67	2.40	2.39	2.17	2.12	1.91
CarTech® 20Mo-6® Stainless	2.12	2.56	2.77	2.78	2.84	2.89	3.01	2.73	2.75	2.53	2.47	2.26
CarTech® 302HQ-FM® Stainless	0.70	0.81	0.86	0.85	0.88	0.89	0.93	0.86	0.87	0.79	0.78	0.72
CarTech® 316L-SCQ® Stainless	0.99	1.16	1.26	1.27	1.30	1.31	1.34	1.23	1.26	1.17	1.14	1.07
CarTech® 13-8 Stainless	0.73	0.88	0.91	0.93	0.94	0.94	0.97	0.90	0.93	0.86	0.84	0.80
CarTech® 15Cr-5Ni	0.61	0.67	0.71	0.71	0.72	0.73	0.74	0.70	0.72	0.64	0.65	0.62
CarTech® 18Cr-2Ni-12Mn	0.51	0.55	0.57	0.59	0.60	0.61	0.62	0.63	0.67	0.62	0.63	0.61
CarTech® 18Cr-3Ni-12Mn	0.57	0.61	0.65	0.66	0.67	0.69	0.71	0.70	0.74	0.68	0.69	0.67
CarTech® 21Cr-6Ni-9Mn	0.68	0.75	0.81	0.81	0.84	0.86	0.89	0.84	0.88	0.80	0.81	0.76
CarTech® 22Cr-13Ni-5Mn	1.06	1.24	1.32	1.33	1.36	1.37	1.42	1.32	1.36	1.26	1.23	1.16
CarTech® 275 Stainless	0.78	0.88	0.91	0.91	0.94	0.97	0.99	0.91	0.91	0.84	0.82	0.76
CarTech® 302HQ-SFQ Stainless	0.70	0.81	0.86	0.85	0.88	0.89	0.93	0.86	0.87	0.79	0.78	0.72
CarTech® Custom 631 (17Cr-7Ni)	0.62	0.70	0.74	0.73	0.76	0.77	0.80	0.75	0.76	0.70	0.68	0.64
CarTech® 15-7PH Stainless	0.78	0.93	0.99	0.99	0.99	0.99	1.01	0.96	0.99	0.92	0.90	0.87
CarTech® Custom 630 (17Cr-4Ni) Stainless	0.62	0.67	0.69	0.67	0.70	0.70	0.71	0.66	0.68	0.62	0.62	0.59
CarTech® No. 5-F Stainless (Type 416 Mod)	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 302 Stainless	0.70	0.79	0.82	0.81	0.84	0.85	0.89	0.82	0.83	0.75	0.74	0.68
CarTech® 303 Stainless	0.68	0.79	0.82	0.81	0.84	0.85	0.89	0.82	0.83	0.75	0.74	0.68
CarTech® 303 Se Stainless	0.70	0.79	0.82	0.81	0.84	0.85	0.89	0.82	0.83	0.75	0.74	0.68
CarTech® 304/304L Stainless	0.71	0.81	0.85	0.84	0.86	0.89	0.93	0.89	0.86	0.81	0.80	0.74
CarTech® 305 Stainless	0.74	0.87	0.92	0.91	0.94	0.96	1.01	0.92	0.93	0.83	0.81	0.74
CarTech® 309 Stainless	0.91	1.06	1.13	1.12	1.16	1.19	1.25	1.14	1.15	1.03	1.01	0.93
CarTech® 310 Stainless	1.19	1.38	1.49	1.47	1.53	1.58	1.66	1.50	1.50	1.34	1.32	1.19
CarTech® 316/316L Stainless	0.99	1.15	1.26	1.23	1.26	1.27	1.30	1.20	1.23	1.14	1.11	1.04
CarTech® 316L Stainless	0.99	1.15	1.26	1.23	1.26	1.27	1.30	1.20	1.23	1.14	1.11	1.04
CarTech® 321 Stainless	0.75	0.87	0.94	0.93	0.96	0.97	1.02	0.94	0.95	0.85	0.84	0.77

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CarTech® 347 Stainless	0.77	0.89	0.96	0.95	0.98	1.00	1.05	0.95	0.96	0.86	0.85	0.78
CarTech® 403 Stainless	0.35	0.36	0.39	0.39	0.39	0.39	0.39	0.37	0.40	0.36	0.37	0.37
CarTech® 410 Stainless	0.35	0.36	0.39	0.39	0.39	0.39	0.39	0.37	0.40	0.36	0.37	0.37
CarTech® 416 Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 416 (No. 5) Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 416 RS Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 416BQ Stainless (No. 5BQ)	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 420 Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 420 Mod Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® 420F Stainless	0.34	0.37	0.39	0.39	0.39	0.38	0.38	0.38	0.40	0.37	0.37	0.37
CarTech® 430 Stainless	0.38	0.35	0.35	0.35	0.36	0.35	0.35	0.35	0.38	0.34	0.34	0.34
CarTech® 430F Stainless	0.38	0.40	0.42	0.42	0.43	0.42	0.42	0.42	0.45	0.41	0.41	0.41
CarTech® 430FR Stainless	0.38	0.40	0.42	0.42	0.43	0.42	0.42	0.42	0.45	0.41	0.41	0.41
CarTech® 431 Stainless	0.44	0.47	0.50	0.50	0.51	0.51	0.52	0.49	0.52	0.47	0.48	0.47
CarTech® 434 Stainless	0.47	0.52	0.54	0.55	0.54	0.54	0.52	0.52	0.56	0.52	0.52	0.52
CarTech® 440A Stainless	0.38	0.40	0.42	0.42	0.43	0.42	0.42	0.42	0.45	0.41	0.41	0.41
CarTech® 440C Stainless	0.38	0.40	0.42	0.42	0.43	0.42	0.42	0.42	0.45	0.41	0.41	0.41
CarTech® 440F-Se Stainless	0.38	0.40	0.42	0.42	0.43	0.42	0.42	0.42	0.45	0.41	0.41	0.41
CarTech® 446 Stainless	0.46	0.48	0.50	0.50	0.50	0.50	0.49	0.49	0.53	0.48	0.48	0.48
CarTech® 204-Cu Stainless	0.63	0.70	0.75	0.75	0.76	0.75	0.77	0.74	0.78	0.74	0.73	0.71
CarTech® Consumet® 304L-SCQ	0.70	0.79	0.82	0.81	0.84	0.85	0.89	0.82	0.83	0.75	0.74	0.68
CarTech® Custom 450® Stainless	0.67	0.76	0.81	0.81	0.82	0.83	0.85	0.79	0.82	0.75	0.75	0.71
CarTech® Custom 455® Stainless	0.63	0.72	0.76	0.75	0.78	0.80	0.83	0.76	0.76	0.69	0.68	0.62
CarTech® Custom 465® Stainless	0.74	0.88	0.92	0.92	0.94	0.96	1.01	0.92	0.93	0.85	0.83	0.77
CarTech® Custom 475™ Stainless	3.58	4.09	4.32	4.75	4.98	4.91	4.66	4.07	3.66	3.62	3.65	3.52
CarTech® Custom Flo 302HQ Stainless	0.70	0.81	0.86	0.85	0.88	0.89	0.93	0.86	0.87	0.79	0.78	0.72
CarTech® EnduraMet® 2205 Stainless	0.87	1.01	1.08	1.09	1.09	1.09	1.09	1.03	1.09	1.01	1.00	0.96
CarTech® Gall-Tough® PLUS Stainless	0.77	0.89	0.93	0.95	0.97	0.97	1.01	0.95	0.99	0.91	0.90	0.86
CarTech® Gall-Tough® Stainless	0.52	0.89	0.61	0.61	0.63	0.65	0.66	0.62	0.65	0.58	0.59	0.56
CarTech® 15Cr-5Ni Project 70+® Stainless	0.61	0.67	0.71	0.71	0.72	0.73	0.74	0.70	0.72	0.64	0.65	0.62
CarTech® Custom 630 Project 70+® Stainless	0.62	0.69	0.73	0.71	0.74	0.74	0.75	0.70	0.72	0.66	0.66	0.63

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CarTech® 303 Project 70+® Escomatic Quality	0.70	0.79	0.82	0.85	0.88	0.89	0.93	0.86	0.87	0.79	0.78	0.72
CarTech® 303 Project 70+® Stainless	0.68	0.79	0.86	0.85	0.88	0.89	0.93	0.86	0.87	0.79	0.78	0.72
CarTech® 304/304L Project 70+® Stainless	0.73	0.83	0.89	0.88	0.90	0.93	0.96	0.89	0.90	0.81	0.80	0.74
CarTech® 316/316L Project 70+® Stainless	0.99	1.17	1.26	1.27	1.30	1.31	1.34	1.24	1.27	1.18	1.15	1.08
CarTech® 416 Project 70+® Stainless	0.35	0.38	0.40	0.40	0.40	0.39	0.39	0.39	0.41	0.38	0.37	0.37
CarTech® Pyrowear® 675 Stainless	2.32	2.64	2.78	3.08	3.24	3.19	3.02	2.69	2.45	2.44	2.53	2.49
CarTech® SCF 19® Alloy	1.39	1.67	1.80	1.83	1.85	1.86	1.91	1.76	1.80	1.67	1.65	1.54
CarTech® 304H Stainless	0.73	0.81	0.85	0.84	0.86	0.89	0.92	0.85	0.86	0.77	0.76	0.70
CarTech® 410 Mod Stainless	0.35	0.36	0.39	0.39	0.39	0.39	0.39	0.37	0.40	0.36	0.37	0.37
CarTech® TrimRite® Stainless	0.42	0.47	0.50	0.50	0.50	0.49	0.50	0.48	0.51	0.48	0.48	0.48
CarTech® 409Cb Stainless	0.32	0.34	0.36	0.36	0.37	0.36	0.36	0.36	0.38	0.35	0.35	0.36
CarTech® 409Cb High Nickel Stainless	0.36	0.39	0.41	0.41	0.41	0.42	0.41	0.40	0.42	0.39	0.40	0.39
CarTech® 2507 Super Duplex Stainless	0.96	1.11	1.19	1.20	1.20	1.20	1.20	1.15	1.20	1.13	1.11	1.07
CarTech® Ni-Cu K500	3.19	3.79	4.04	3.95	4.17	4.33	4.63	4.01	3.85	3.49	3.45	3.03

## AEROSPACE AND HIGH TEMPERATURE ALLOYS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® A-286 Alloy	1.41	1.69	1.83	1.82	1.91	1.96	2.05	1.85	1.86	1.70	1.70	1.54
CarTech® Alloy 2 (159 ALY / MP159)	20.40	22.65	23.86	26.21	28.58	27.70	26.27	24.14	21.41	20.60	19.82	20.05
CarTech® 636 (422 SS)	0.62	0.72	0.76	0.88	0.89	0.87	0.87	0.89	0.97	0.95	1.07	1.12
CarTech® Greek Ascology (418 SS)	1.02	1.07	1.11	1.19	1.19	1.19	1.20	1.18	1.20	1.16	1.15	1.14
CarTech® L-605 Alloy	24.28	26.10	27.05	29.78	31.37	31.06	29.51	26.38	23.56	23.71	24.08	23.54
CarTech® Waspaloy	8.16	9.21	9.65	10.23	10.86	10.90	10.70	9.42	8.59	8.35	8.44	7.95
CarTech® 350 (Pyromet® 350)	0.75	0.88	0.93	0.95	0.94	0.94	0.93	0.90	0.95	0.89	0.88	0.86
CarTech® 355 (Pyromet® 355)	0.73	0.87	0.92	0.94	0.93	0.92	0.92	0.89	0.94	0.88	0.87	0.85
CarTech® 41 (Pyromet® 41)	7.66	8.73	9.16	9.67	10.17	10.18	10.03	8.92	8.29	8.07	8.14	7.68
CarTech® 600 (Pyromet® 600)	2.47	3.10	3.32	3.25	3.53	3.71	4.04	3.47	3.32	2.93	2.92	2.46
CarTech® 625 (Pyromet® 625)	3.91	4.65	4.87	4.86	5.08	5.15	5.37	4.92	4.88	4.57	4.61	4.23
CarTech® 680 (Pyromet® 680)	3.95	4.66	4.87	4.99	5.23	5.27	5.39	4.96	4.87	4.67	4.78	4.49
CarTech® 706 (Pyromet® 706)	2.23	2.59	2.67	2.63	2.82	2.90	3.07	2.79	2.71	2.48	2.54	2.30
CarTech® 718 (Pyromet® 718)	3.15	3.68	3.81	3.78	4.00	4.07	4.26	3.91	3.86	3.59	3.62	3.32

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CarTech® 720 (Pyromet® 720)	8.53	9.57	10.05	10.70	11.37	11.39	11.17	9.85	8.95	8.70	8.80	8.29
CarTech® 80A (Pyromet® 80A)	2.78	3.41	3.63	3.54	3.87	4.05	4.38	3.80	3.64	3.24	3.26	2.78
CarTech® 882 (Pyromet® 882)	0.45	0.51	0.54	0.56	0.55	0.54	0.54	0.54	0.56	0.54	0.55	0.55
CarTech® 901 (Pyromet® 901)	2.34	2.84	3.02	3.00	3.16	3.22	3.38	3.05	3.01	2.79	2.79	2.52
CarTech® CTX-1 (Pyromet® CTX-1)	7.21	8.06	8.52	9.16	9.73	9.70	9.39	8.21	7.30	7.15	7.21	6.84
CarTech® CTX-3 (Pyromet® CTX-3)	6.98	7.80	8.22	8.83	9.36	9.34	9.02	7.94	7.11	6.97	7.01	6.67
CarTech® CTX-909 (Pyromet® CTX-909)	6.97	7.79	8.21	8.82	9.35	9.33	9.01	7.93	7.10	6.96	7.00	6.66
CarTech® X-750 (Pyromet® X-750)	2.46	3.07	3.28	3.20	3.49	3.67	3.98	3.43	3.28	2.90	2.90	2.45
CarTech® Thermo-Span® Alloy	13.05	14.27	14.90	16.21	17.16	16.99	16.14	14.26	12.63	12.62	12.80	12.41
CarTech® 286-LNi Alloy	1.14	1.39	1.51	1.48	1.54	1.58	1.67	1.53	1.53	1.41	1.44	1.34

## MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 485 Alloy	1.86	2.28	2.48	2.43	2.57	2.69	2.90	2.53	2.44	2.18	2.13	1.84
CarTech® 22-3 High Thermal Expansion	1.01	1.22	1.32	1.30	1.37	1.42	1.52	1.35	1.30	1.19	1.15	1.02
CarTech® Electrical Iron	0.22	0.24	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.26	0.27
CarTech® Glass Sealing "42-6"	1.75	2.13	2.25	2.28	2.41	2.52	2.70	2.37	2.29	2.06	2.00	1.74
CarTech® Glass Sealing 42	1.64	1.96	2.20	2.16	2.28	2.38	2.57	2.25	2.16	1.93	1.89	1.63
CarTech® Glass Sealing 52	1.96	2.37	2.64	2.58	2.74	2.87	3.09	2.69	2.59	2.32	2.26	1.95
CarTech® High Permeability "49"® Alloy	1.83	2.25	2.45	2.40	2.55	2.67	2.88	2.51	2.41	2.15	2.10	1.80
CarTech® HyMu "80"® Alloy	3.26	4.05	4.42	4.36	4.57	4.75	5.08	4.46	4.32	3.91	3.82	3.30
CarTech® HyMu "80"® Mark II Alloy	3.26	4.05	4.42	4.36	4.57	4.75	5.08	4.46	4.32	3.91	3.82	3.30
CarTech® HyMu "80"® Mark III Alloy	3.26	4.05	4.42	4.36	4.57	4.75	5.08	4.46	4.32	3.91	3.82	3.30
CarTech® HyMu "800"	3.32	4.13	4.50	4.45	4.66	4.83	5.16	4.53	4.41	4.00	3.90	3.39
CarTech® Invar 36 Alloy	1.46	1.79	1.95	1.91	2.03	2.12	2.27	1.99	1.92	1.73	1.69	1.47
CarTech® Low Expansion "42"® Alloy	1.64	2.01	2.20	2.16	2.28	2.38	2.57	2.25	2.16	1.93	1.89	1.63
CarTech® Low Expansion "42"® Thermostat	1.64	2.01	2.20	2.16	2.28	2.38	2.57	2.25	2.16	1.93	1.89	1.63
CarTech® Low Expansion 43-PH	1.69	2.07	2.24	2.20	2.33	2.44	2.62	2.29	2.21	1.98	1.93	1.67
CarTech® Nickel 200 Alloy	3.61	4.46	4.87	4.77	5.08	5.32	5.76	4.99	4.78	4.26	4.14	3.51
CarTech® Nickel 201 Alloy	3.61	4.46	4.87	4.77	5.08	5.32	5.76	4.99	4.78	4.26	4.14	3.51
CarTech® Nickel 205 Alloy	3.61	4.46	4.87	4.77	5.08	5.32	5.76	4.99	4.78	4.26	4.14	3.51

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CarTech® Silicon Core Iron "A-FM"	0.19	0.23	0.25	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.22
CarTech® Silicon Core Iron "B"	0.21	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.25	0.26
CarTech® Silicon Core Iron "B-FM"	0.21	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.25	0.26
CarTech® Temperature Compensator "30"® Type 2	1.20	1.48	1.61	1.58	1.67	1.74	1.88	1.64	1.58	1.41	1.38	1.19
CarTech® Temperature Compensator "30"® Type 4	1.20	1.48	1.61	1.58	1.67	1.74	1.88	1.64	1.58	1.41	1.38	1.19
CarTech® Temperature Compensator "32"	1.29	1.58	1.72	1.69	1.79	1.87	2.01	1.76	1.69	1.51	1.48	1.27
CarTech® Chrome Core® 8-FM Alloy	0.32	0.36	0.38	0.38	0.38	0.38	0.36	0.36	0.39	0.36	0.37	0.37
CarTech® Chrome Core® 12-FM Alloy	0.36	0.39	0.41	0.41	0.42	0.41	0.40	0.40	0.43	0.40	0.40	0.40
CarTech® Chrome Core® 13-FM	0.37	0.41	0.43	0.43	0.43	0.42	0.41	0.41	0.44	0.41	0.41	0.41
CarTech® Chrome Core® 13-XP	0.55	0.64	0.68	0.73	0.74	0.72	0.72	0.73	0.80	0.79	0.87	0.90
CarTech® Chrome Core® 18-FM Alloy	0.53	0.60	0.63	0.64	0.63	0.62	0.60	0.60	0.64	0.61	0.61	0.61
CarTech® Free-Cut Invar "36"® Alloy	1.46	1.79	1.95	1.91	2.03	2.12	2.27	1.99	1.92	1.73	1.69	1.47
CarTech® High Expansion 20Ni-6Mn	0.93	1.12	1.24	1.22	1.29	1.34	1.43	1.28	1.25	1.13	1.13	0.99
CarTech® High Expansion 72	2.15	2.29	2.35	2.44	2.60	2.68	2.74	2.72	2.89	2.83	2.95	2.78
CarTech® Hiperco® 27 Alloy	10.77	11.72	12.23	13.48	14.27	14.09	13.24	11.62	10.10	10.21	10.38	10.12
CarTech® Hiperco® 50 Alloy	19.75	21.56	22.52	24.90	26.38	26.05	24.50	21.58	18.94	19.18	19.66	19.28
CarTech® Hiperco® 50 HS Alloy	19.75	21.56	22.52	24.90	26.38	26.05	24.50	21.58	18.94	19.18	19.66	19.28
CarTech® Hiperco® 50A Alloy	19.75	21.56	22.52	24.90	26.38	26.05	24.50	21.58	18.94	19.18	19.66	19.28
CarTech® Hy Mu 77 Alloy	2.98	3.65	3.97	3.89	4.12	4.31	4.65	4.03	3.88	3.46	3.38	2.89
CarTech® Hy-Ra "49"® Alloy	1.83	2.25	2.45	2.40	2.55	2.67	2.88	2.51	2.41	2.15	2.10	1.80
CarTech® Kovar® Alloy	6.51	7.36	7.79	8.55	9.14	9.10	8.69	7.43	6.42	6.34	6.40	6.07
CarTech® MagneDur® 20-4 Alloy	1.21	1.49	1.62	1.63	1.67	1.70	1.76	1.61	1.60	1.49	1.47	1.34
CarTech® No. 1 JR® Type 1 Alloy	0.34	0.37	0.39	0.39	0.39	0.38	0.38	0.38	0.40	0.37	0.37	0.37
CarTech® No. 1 JR® Type 2 Alloy	0.34	0.37	0.39	0.39	0.39	0.38	0.38	0.38	0.40	0.37	0.37	0.37
CarTech® Rotelloy 3 Alloy	19.75	21.56	22.52	24.90	26.38	26.05	24.50	21.58	18.94	19.18	19.66	19.28
CarTech® Rotelloy 8 Alloy	19.75	21.56	22.52	24.90	26.38	26.05	24.50	21.58	18.94	19.18	19.66	19.28
CarTech® Thermocouple Iron Type JP	0.16	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.18	0.19
CarTech® Mumetal	3.26	4.03	4.38	4.33	4.53	4.69	5.02	4.39	4.28	3.88	3.78	3.30
CarTech® Hypocore	1.73	1.92	2.02	2.25	2.39	2.36	2.20	1.90	1.62	1.63	1.67	1.62
CarTech® High Expansion 25-8								1.54	1.50	1.35	1.32	1.16
CarTech® Low Expansion 50								2.61	2.51	2.24	2.18	1.87

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# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® Low Expansion 40								2.21	2.12	1.90	1.86	1.61
CarTech® Low Expansion 45								2.37	2.27	2.03	1.98	1.70
CarTech® High Expansion 19-7								1.16	1.14	1.02	1.00	1.70
CarTech® High Expansion 19-2								1.22	1.18	1.06	1.05	0.94

## MEDICAL ALLOYS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® BioDur® 108 Alloy	0.55	0.58	0.60	0.64	0.64	0.64	0.64	0.66	0.76	0.71	0.73	0.71
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	1.06	1.24	1.32	1.33	1.36	1.37	1.42	1.32	1.36	1.26	1.23	1.16
CarTech® BioDur® 316LS Stainless	1.05	1.27	1.41	1.34	1.37	1.38	1.42	1.32	1.35	1.24	1.22	1.14
CarTech® BioDur® 470/Custom 470	0.73	0.88	0.91	0.91	0.94	0.96	0.99	0.91	0.91	0.83	0.82	0.76
CarTech® BioDur® Carpenter CCM® Alloy	27.71	30.08	31.22	33.31	34.26	33.82	31.86	28.17	24.83	25.10	25.57	26.34
CarTech® BioDur® TrimRite® Stainless	0.42	0.47	0.50	0.50	0.50	0.49	0.50	0.48	0.51	0.48	0.48	0.48
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	27.71	30.08	31.22	33.31	34.26	33.82	31.86	28.17	24.83	25.10	25.57	26.34
CarTech® Micro-Melt® BioDur® CCM Plus®	26.39	28.65	29.72	31.71	32.61	32.20	30.33	26.83	23.67	23.93	24.37	25.11
CarTech® Micro-Melt® BioDur® CCM LS Alloy	27.71	30.08	31.22	33.31	34.26	33.82	31.86	28.17	24.83	25.10	25.57	26.34

## CORROSION-RESISTANT ALLOYS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® Alloy C-276	4.57	5.56	6.02	6.27	6.46	6.48	6.71	6.30	6.50	6.36	6.70	6.51
CarTech® MP35N* Alloy	20.56	23.07	24.36	26.60	28.92	28.01	26.70	24.60	22.10	21.22	20.31	20.56
CarTech® MP35N* Alloy (Tubing)	41.12	46.14	48.72	53.20	57.84	56.02	53.39	49.19	47.28	42.43	40.62	41.11
CarTech® Ni-Cu 400	3.32	3.92	4.20	4.09	4.33	4.49	4.80	4.16	3.99	3.63	3.59	3.17
CarTech® Ni-Cu 405	3.32	3.92	4.20	4.09	4.33	4.49	4.80	4.16	3.99	3.63	3.59	3.17
CarTech® Custom Age 625 PLUS® Alloy	3.76	4.48	4.70	4.68	4.91	4.99	5.20	4.76	4.72	4.42	4.45	4.08
CarTech® 925	2.64	3.09	3.19	3.15	3.36	3.44	3.63	3.29	3.22	3.00	3.07	2.80

\*MP35N is a trademark of SPS Technologies, Inc.

## BEARING AND GEAR STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 52100	0.32	0.37	0.38	0.36	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.41

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# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 52100T2	0.31	0.37	0.38	0.36	0.37	0.36	0.37	0.37	0.36	0.35	0.36	0.39
CarTech® Aero-A6	0.38	0.45	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.49	0.52	0.57
CarTech® BG-42	1.37	1.66	1.77	1.90	1.89	1.83	1.82	1.86	1.97	2.03	2.20	2.32
CarTech® CBS 223	0.73	0.87	0.93	0.96	0.96	0.94	0.94	0.96	1.00	1.01	1.08	1.16
CarTech® CBS 600	0.51	0.60	0.64	0.62	0.62	0.61	0.61	0.62	0.62	0.62	0.62	0.66
CarTech® CBS50Nil	1.40	1.73	1.85	1.97	1.97	1.93	1.93	1.95	2.06	2.11	2.24	2.34
CarTech® CSS-42L	5.91	6.63	6.99	7.65	8.00	7.86	7.45	7.06	7.14	6.45	6.28	6.23
CarTech® Dynaflex	0.63	0.75	0.80	0.83	0.84	0.82	0.81	0.83	0.87	0.88	0.95	1.02
CarTech® L-6490	1.05	1.31	1.41	1.51	1.50	1.44	1.42	1.46	1.55	1.59	1.73	1.83
CarTech® Lesco® 53	0.88	1.09	1.17	1.19	1.16	1.13	1.14	1.13	1.17	1.18	1.16	1.20
CarTech® Pyrowear® Alloy 53	0.88	1.09	1.17	1.19	1.16	1.13	1.14	1.13	1.17	1.18	1.16	1.20
CarTech® M-50	1.21	1.50	1.59	1.71	1.69	1.63	1.61	1.65	1.75	1.80	1.94	2.05
CarTech® QC61	7.51	8.34	8.77	9.60	10.17	10.06	9.54	8.91	8.92	7.88	7.43	7.24
CarTech® QC64	6.92	7.70	8.10	8.87	9.38	9.27	8.79	8.23	8.26	7.32	6.96	6.80

## ALLOY STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 16NCD13	0.46	0.55	0.58	0.56	0.57	0.58	0.60	0.58	0.58	0.57	0.53	0.54
CarTech® 300M	0.43	0.51	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.53	0.56
CarTech® 3311	0.45	0.53	0.56	0.54	0.55	0.56	0.58	0.57	0.56	0.55	0.51	0.52
CarTech® 35NCD16	0.46	0.53	0.57	0.56	0.58	0.59	0.61	0.59	0.59	0.57	0.52	0.49
CarTech® 4130 , 4140, 4150	0.32	0.37	0.39	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.40
CarTech® 4319, 4320, 4343	0.40	0.47	0.50	0.48	0.49	0.49	0.50	0.50	0.49	0.49	0.46	0.48
CarTech® 4330+V, 4335+V	0.44	0.53	0.56	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.55	0.57
CarTech® 4340 VV	0.42	0.50	0.53	0.51	0.52	0.52	0.53	0.53	0.52	0.51	0.49	0.51
CarTech® 4340	0.40	0.47	0.50	0.48	0.49	0.49	0.50	0.50	0.49	0.48	0.46	0.48
CarTech® 4340L	0.44	0.52	0.55	0.53	0.54	0.54	0.55	0.55	0.54	0.53	0.51	0.53
CarTech® 4340L+	0.48	0.56	0.60	0.58	0.59	0.59	0.60	0.60	0.59	0.58	0.55	0.58
CarTech® 6150	0.35	0.41	0.43	0.44	0.45	0.44	0.45	0.46	0.46	0.46	0.49	0.54
CarTech® 8620	0.33	0.40	0.41	0.40	0.40	0.40	0.41	0.41	0.40	0.39	0.39	0.41
CarTech® 9310 V V	0.48	0.56	0.59	0.57	0.59	0.59	0.61	0.60	0.59	0.58	0.54	0.55

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# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 9310, 9315	0.45	0.53	0.56	0.54	0.56	0.56	0.58	0.57	0.56	0.55	0.51	0.52
CarTech® AerMet® 100 Alloy	5.75	6.35	6.63	7.23	7.65	7.58	7.22	6.35	5.61	5.59	5.68	5.49
CarTech® AerMet® 310 Alloy	6.52	7.18	7.52	8.21	8.68	8.60	8.17	7.17	6.32	6.33	6.41	6.20
CarTech® AerMet® 340 Alloy	6.83	7.53	7.89	8.61	9.09	9.01	8.56	7.52	6.64	6.64	6.74	6.51
CarTech® AF1410	5.75	6.39	6.72	8.61	7.77	7.70	7.31	6.84	6.06	6.06	5.68	5.47
CarTech® No. 158® Alloy	0.48	0.57	0.59	0.57	0.59	0.60	0.62	0.60	0.60	0.59	0.54	0.56
CarTech® D6AC	0.44	0.52	0.55	0.57	0.56	0.50	0.55	0.56	0.57	0.56	0.56	0.56
CarTech® GNB100	0.61	0.73	0.78	0.81	0.82	0.82	0.83	0.83	0.85	0.85	0.84	0.83
CarTech® HP-9-4-20	2.25	2.55	2.70	2.89	3.04	3.02	2.93	2.77	2.54	2.54	2.36	2.26
CarTech® HP-9-4-30	2.17	2.44	2.58	2.77	2.91	2.89	2.79	2.63	2.40	2.39	2.22	2.13
CarTech® HTC	0.34	0.38	0.39	0.39	0.39	0.39	0.39	0.40	0.39	0.38	0.38	0.38
CarTech® HY180	3.72	4.15	4.38	4.74	5.00	4.96	4.76	4.47	4.02	4.01	3.73	3.58
CarTech® HYTUF	0.39	0.46	0.49	0.49	0.49	0.49	0.58	0.58	0.57	0.56	0.52	0.50
CarTech® L-6305	0.40	0.47	0.50	0.53	0.53	0.52	0.52	0.54	0.55	0.55	0.58	0.60
CarTech® NiMark® Alloy 250	3.96	4.51	4.77	5.13	5.38	5.34	5.16	4.57	4.15	4.08	4.10	3.91
CarTech® NiMark+A273 Alloy 250-LR	3.96	4.51	5.34	5.13	5.38	5.34	5.16	4.57	4.15	4.08	4.10	3.91
CarTech® NiMark® Alloy 300	4.46	5.06	5.34	5.76	6.04	6.00	5.78	5.10	4.62	4.56	4.59	4.38
CarTech® Nitralloy 135	0.32	0.36	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.36	0.36	0.36
CarTech® Nitralloy N	0.46	0.53	0.57	0.57	0.58	0.59	0.61	0.60	0.59	0.58	0.53	0.50
CarTech® PremoMax® Alloy	0.55	0.55	0.58	0.59	0.61	0.60	0.61	0.62	0.63	0.64	0.68	0.73
CarTech® PremoMet® Alloy	0.46	0.66	0.69	0.67	0.69	0.69	0.71	0.69	0.69	0.69	0.64	0.65
CarTech® QM54	3.80	4.24	4.47	4.84	5.06	5.02	4.85	4.59	4.22	4.22	3.97	3.83
CarTech® UT-18	0.47	0.55	0.58	0.61	0.60	0.59	0.58	0.60	0.61	0.61	0.63	0.64
CarTech® UT-19	0.49	0.57	0.61	0.61	0.62	0.63	0.65	0.63	0.63	0.62	0.56	0.53

## SPECIALTY ALLOYS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® AEREX	26.15	28.74	30.24	32.53	35.79	34.36	33.45	31.63	29.09	29.14	27.16	26.24
CarTech® JETHETE	0.94	1.12	1.20	1.17	1.22	1.25	1.31	1.25	1.25	1.24	1.06	1.00
CarTech® QS53	4.50	4.99	5.23	5.70	5.99	5.93	5.66	5.35	4.84	4.86	4.65	4.59
CarTech® XM-27	0.81	0.89	0.91	0.89	0.89	0.88	0.87	0.87	0.87	0.87	0.85	0.90

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# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>SPECIAL PURPOSE ALLOYS</b>												
<b>Alloy Description</b>												
CarTech® 180 Alloy	3.02	3.32	3.39	3.28	3.40	3.46	3.63	3.12	2.99	2.85	2.90	2.75
CarTech® CBX Cupron® Alloy	3.21	3.66	3.84	3.73	3.91	4.02	4.27	3.67	3.51	3.26	3.27	2.98
CarTech® Cupron® Alloy	3.21	3.66	3.84	3.73	3.91	4.02	4.27	3.67	3.51	3.26	3.27	2.98
CarTech® Evanohm® Alloy R	2.93	3.55	3.87	3.79	4.02	4.20	4.52	3.93	3.82	3.39	3.29	2.83
CarTech® Manganin 13	2.66	2.81	2.81	2.71	2.79	2.80	2.90	2.52	2.44	2.38	2.49	2.43
CarTech® NIAL Alloy	3.48	4.29	4.69	4.59	4.88	5.12	5.54	4.80	4.60	4.09	3.98	3.38
CarTech® NIAL Alloy / Low Resistivity NIAL	3.48	4.29	4.69	4.59	4.88	5.12	5.54	4.80	4.60	4.09	3.98	3.38
CarTech® PCLW-SNX Alloy	2.84	2.97	2.95	2.82	2.90	2.90	2.99	2.56	2.45	2.42	2.53	2.51
CarTech® Tophel® Alloy	3.40	4.18	4.55	4.46	4.74	4.96	5.36	4.66	4.48	3.99	3.87	3.30
CarTech® Tophet® Alloy A	3.16	3.85	4.18	4.09	4.34	4.54	4.88	4.26	4.13	3.67	3.57	3.06
CarTech® Tophet® Alloy C	2.42	2.93	3.18	3.12	3.31	3.46	3.72	3.24	3.15	2.80	2.73	2.35
<b>VALVE STEELS</b>												
<b>Alloy Description</b>												
CarTech® 31V (Pyromet® 31V)	2.77	3.30	3.45	3.39	3.66	3.79	4.03	3.59	3.48	3.18	3.22	2.85
CarTech® 751 (Pyromet® 751)	2.43	3.03	3.26	3.17	3.46	3.64	3.95	3.41	3.25	2.88	2.86	2.42
CarTech® 80A (Pyromet® 80A) Valve	2.78	3.42	3.63	3.54	3.87	4.05	4.38	3.80	3.64	3.24	3.26	2.78
<b>HIGH SPEED STEELS (not applicable to powder products)</b>												
<b>Alloy Description</b>												
CarTech® M1 - Tatmo	1.66	2.03	2.17	2.34	2.29	2.21	2.17	2.20	2.32	2.38	2.51	2.60
CarTech® M2 - Double 6	2.69	3.01	3.14	3.50	3.50	3.44	3.42	3.47	3.61	3.68	3.92	4.06
CarTech® M2 - Double 6-XL	2.69	3.01	3.14	3.50	3.50	3.44	3.42	3.47	3.61	3.68	3.92	4.06
CarTech® M2 - HS29	2.60	2.90	3.03	3.37	3.37	3.31	3.30	3.35	3.48	3.55	3.77	3.90
CarTech® M2 - HS29-XL	2.60	2.90	3.03	3.37	3.37	3.31	3.30	3.35	3.48	3.55	3.77	3.90
CarTech® M3I - Corsair	2.66	3.00	3.14	3.52	3.53	3.47	3.45	3.52	3.68	3.76	4.05	4.21
CarTech® M3II - Crusader	2.79	3.17	3.33	3.75	3.77	3.70	3.69	3.77	3.96	4.06	4.42	4.62
CarTech® M4 - Stark	2.77	3.18	3.35	3.81	3.86	3.79	3.79	3.89	4.12	4.24	4.70	4.94

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## Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



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CarTech® M7 - Tatmo-VN	1.91	2.33	2.49	2.74	2.71	2.62	2.58	2.64	2.81	2.89	3.13	3.27
CarTech® M11 - Vancomo	2.05	2.47	2.64	2.87	2.86	2.77	2.68	2.68	2.74	2.80	2.93	3.02
CarTech® M33 - Kelvan	4.30	4.93	5.21	5.73	5.72	5.73	5.46	5.28	5.02	5.09	5.10	5.13
CarTech® M35 - HS 105	4.03	4.48	4.69	5.21	5.33	5.24	5.10	5.02	4.92	4.99	5.14	5.24
CarTech® M42 - Dynamax	4.17	4.80	5.08	5.58	5.72	5.58	5.32	5.15	4.90	4.97	4.99	5.03
CarTech® M50 - CM-50	0.95	1.18	1.27	1.36	1.35	1.31	1.29	1.32	1.40	1.44	1.57	1.66
CarTech® M51	6.45	7.07	7.39	8.30	8.59	8.48	8.21	8.04	7.75	7.85	8.10	8.23
CarTech® M52 - CM52	2.06	2.35	2.47	2.75	2.75	2.69	2.68	2.73	2.86	2.92	3.14	3.28
CarTech® T15 - Dynavan	5.64	6.13	6.39	7.28	7.52	7.45	7.35	7.35	7.36	7.49	8.03	8.30
CarTech® Abscido	1.73	2.00	2.11	2.37	2.40	2.36	2.36	2.42	2.56	2.63	2.92	3.08
CarTech® Supersaw	3.58	4.06	4.28	4.71	4.88	4.79	4.55	4.37	4.07	4.12	4.11	4.14

### TOOL STEELS (not applicable to powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® A2 - Select-B	\$0.67	0.58	0.61	0.62	0.62	0.61	0.61	0.62	0.63	0.64	0.67	0.72
CarTech® A6 - Lesco A6	\$0.48	0.48	0.50	0.50	0.49	0.48	0.47	0.48	0.48	0.48	0.48	0.52
CarTech® A7 - BR-3	\$3.41	1.81	1.95	2.29	2.38	2.34	2.35	2.48	2.72	2.84	3.41	3.69
CarTech® A7 - Brickmold	\$3.46	1.86	2.00	2.34	2.38	2.39	2.40	2.53	2.77	2.89	3.46	3.74
CarTech® A8 - MGR	\$1.08	0.92	0.96	1.02	1.01	1.00	1.00	1.01	1.03	1.04	1.08	1.14
CarTech® A8+ - MGR-MQ	0.81	0.92	0.96	1.01	1.01	1.00	0.99	1.01	1.03	1.04	1.08	1.14
CarTech® A9 - Mazeman	\$1.29	0.94	1.01	1.07	1.09	1.07	1.08	1.10	1.16	1.19	1.29	1.38
CarTech® A10 - Graph-Air	\$0.60	0.60	0.64	0.63	0.63	0.62	0.62	0.62	0.63	0.62	0.60	0.63
CarTech® A18 - Whitebear	\$1.99	1.23	1.32	1.48	1.51	1.48	1.48	1.55	1.67	1.72	1.99	2.15
CarTech® D2 - Olympic	\$1.11	0.82	0.87	0.92	0.94	0.92	0.92	0.94	0.99	1.01	1.11	1.20
CarTech® D3 - GSN	\$0.61	0.54	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.61	0.66
CarTech® D4 - GSN+Mo	\$0.88	0.72	0.75	0.78	0.79	0.77	0.77	0.78	0.81	0.82	0.88	0.95
CarTech® D5 - Riptide	\$1.37	1.50	1.57	1.67	1.73	1.71	1.63	1.55	1.56	1.42	1.37	1.39
CarTech® D7 - BR-4	\$3.16	1.75	1.88	2.18	2.26	2.22	2.23	2.34	2.55	2.66	3.16	3.42
CarTech® H10 - Dart	0.59	0.73	0.77	0.80	0.79	0.76	0.76	0.77	0.80	0.81	0.85	0.90
CarTech® H11 - Dycast	0.56	0.68	0.72	0.75	0.75	0.74	0.73	0.75	0.78	0.79	0.85	0.92
CarTech® H11+ - Dycast-VAR	0.56	0.68	0.72	0.75	0.75	0.74	0.73	0.75	0.78	0.79	0.85	0.92

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# Raw Material and Energy Surcharges 2018 - USD/lb.

(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® H12 - L.P.D.®	0.85	0.96	1.00	1.05	1.05	1.04	1.03	1.04	1.06	1.07	1.11	1.16
CarTech® H13 - VDC®	0.69	0.84	0.90	0.97	0.98	0.96	0.96	0.99	1.05	1.07	1.20	1.29
CarTech® H13+ - VDC-MQ	0.69	0.84	0.90	0.97	0.98	0.96	0.96	0.99	1.05	1.07	1.20	1.29
CarTech® H13++ - VDC-RF	0.67	0.82	0.87	0.93	0.94	0.92	0.92	0.95	1.00	1.02	1.13	1.22
CarTech® H13-FM - Viscount	0.69	0.84	0.90	0.97	0.98	0.96	0.96	0.99	1.05	1.07	1.20	1.29
CarTech® H14 - Lumdie	1.29	1.34	1.37	1.47	1.47	1.47	1.47	1.48	1.47	1.46	1.46	1.50
CarTech® H19 - Lesco19	3.08	3.39	3.55	3.98	4.13	4.09	3.99	3.93	4.04	3.89	4.09	4.21
CarTech® H21 - CLW	2.46	2.54	2.59	2.87	2.89	2.88	2.89	2.90	2.92	2.92	2.98	3.05
CarTech® H26 - H26 Mod	4.82	4.95	5.05	5.65	5.69	5.68	5.67	5.69	5.73	5.73	5.85	5.94
CarTech® H43 - Lesco 43	1.58	2.00	2.16	2.37	2.34	2.25	2.22	2.28	2.45	2.54	2.80	2.95
CarTech® L6 - Montana	1.30	1.38	1.41	1.51	1.52	1.52	1.53	1.52	1.52	1.51	1.50	1.53
CarTech® O1 - Badger	0.39	0.44	0.46	0.45	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.49
CarTech® O6 - Graph-Mo	0.30	0.36	0.38	0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.36	0.39
CarTech® O7 - Lesco O7	0.62	0.67	0.69	0.72	0.72	0.72	0.72	0.73	0.72	0.71	0.72	0.75
CarTech® S1 - XL®-Chisel	0.81	0.87	0.90	0.96	0.97	0.97	0.97	0.98	0.99	0.99	1.02	1.07
CarTech® S2 - Trident	0.37	0.45	0.47	0.47	0.48	0.47	0.48	0.49	0.50	0.50	0.53	0.58
CarTech® S4 - Damascus	0.27	0.32	0.33	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.35
CarTech® S5 - Lanark	0.46	0.56	0.59	0.61	0.61	0.59	0.59	0.60	0.62	0.63	0.66	0.72
CarTech® S7 - Bearcat	0.45	0.55	0.58	0.57	0.56	0.55	0.54	0.54	0.55	0.55	0.55	0.59
CarTech® S7+ - S7-MQ	0.45	0.55	0.57	0.57	0.56	0.55	0.54	0.54	0.55	0.55	0.55	0.59
CarTech® CAT4039	0.60	0.74	0.79	0.83	0.82	0.80	0.80	0.81	0.85	0.87	0.93	0.99
CarTech® Chipper	0.60	0.72	0.76	0.78	0.78	0.77	0.76	0.78	0.81	0.82	0.87	0.93
CarTech® HC-H13	0.74	0.90	0.96	1.04	1.06	1.03	1.03	1.06	1.13	1.16	1.30	1.39
CarTech® Lescowear	1.31	1.55	1.65	1.86	1.90	1.87	1.87	1.94	2.08	2.14	2.44	2.61
CarTech® LSC2367	0.76	0.94	1.00	1.05	1.04	1.01	1.00	1.02	1.07	1.09	1.16	1.23
CarTech® Mandrel	0.42	0.50	0.53	0.51	0.52	0.53	0.54	0.53	0.53	0.52	0.48	0.50
CarTech® Staminol®	0.45	0.55	0.58	0.57	0.58	0.59	0.60	0.59	0.60	0.59	0.58	0.61
CarTech® Typlex	0.57	0.69	0.73	0.73	0.74	0.75	0.77	0.75	0.76	0.77	0.74	0.76
CarTech® 420-FM - Saxman-FM	0.52	0.59	0.61	0.62	0.63	0.62	0.62	0.63	0.64	0.65	0.68	0.73
CarTech® 420SS - Saxman6R	0.52	0.59	0.61	0.62	0.63	0.62	0.62	0.63	0.64	0.65	0.68	0.74

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**Raw Material and Energy Surcharges 2018 - USD/lb.**  
 (applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Conversion Services (Natural Gas Surcharges)</b>												
Process 1 - Non-Ti Air Cool	0.02	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05
Process 2 - Non Ti Fce Cool	0.03	0.05	0.04	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.08
Process 3 - General Ti	0.02	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05
Process 4 Special Processing	0.03	0.05	0.04	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.08
Process 5 - Machining Only	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process 6 - Remelt Only	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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