

Raw Material and Energy Surcharges 2021 - 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.

Last Modified 12/2/2021 19:22

STAINLESS STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless/SCF260	0.70	0.83	0.92	0.94	0.92	0.98	1.12	1.20	1.30	1.34	1.38	1.44
CarTech® 15-15LC® Modified Stainless	0.70	0.68	0.75	0.80	0.78	0.83	0.96	1.03	1.12	1.15	1.19	1.24
CarTech® 20Cb-3® Stainless	2.85	3.14	3.36	3.01	2.99	3.28	3.47	3.69	3.83	3.90	3.94	4.10
CarTech® 20Mo-6® Stainless	3.08	3.40	3.68	3.32	3.26	3.60	3.99	4.25	4.42	4.52	4.54	4.72
CarTech® 302HQ-FM® Stainless	0.88	1.02	1.08	1.01	1.02	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® 316L-SCQ® Stainless	1.27	1.44	1.55	1.47	1.44	1.57	1.74	1.85	1.94	1.97	2.00	2.08
CarTech® 13-8 Stainless	0.96	1.10	1.19	1.15	1.13	1.22	1.38	1.46	1.53	1.54	1.56	1.62
CarTech® 15Cr-5Ni	0.67	0.80	0.85	0.85	0.86	0.91	0.93	0.98	1.02	1.02	1.06	1.12
CarTech® 18Cr-2Ni-12Mn	0.43	0.59	0.62	0.66	0.66	0.68	0.74	0.79	0.99	1.03	1.16	1.33
CarTech® 18Cr-3Ni-12Mn	0.55	0.71	0.75	0.76	0.77	0.80	0.86	0.92	1.12	1.17	1.30	1.48
CarTech® 21Cr-6Ni-9Mn	0.75	0.95	1.01	0.97	0.98	1.03	1.09	1.16	1.35	1.39	1.51	1.67
CarTech® 22Cr-13Ni-5Mn	1.32	1.51	1.63	1.54	1.52	1.65	1.82	1.94	2.11	2.16	2.23	2.38
CarTech® 302HQ-SFQ Stainless	0.88	1.02	1.08	1.01	1.02	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® Custom 631 (17Cr-7Ni)	0.74	0.86	0.91	0.88	0.88	0.92	0.96	1.02	1.09	1.09	1.13	1.20
CarTech® 15-7PH Stainless	0.91	1.06	1.15	1.12	1.10	1.19	1.34	1.42	1.49	1.51	1.53	1.60
CarTech® Custom 630 (17Cr-4Ni) Stainless	0.61	0.72	0.77	0.78	0.78	0.87	0.91	0.96	1.01	1.00	1.05	1.10
CarTech® No. 5-F Stainless (Type 416 Mod)	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 302 Stainless	0.84	0.98	1.04	0.97	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® 303 Stainless	0.84	0.98	1.04	0.98	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.40
CarTech® 303 Se Stainless	0.84	0.98	1.04	0.97	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® 304/304L Stainless	0.91	0.98	1.04	0.97	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® 305 Stainless	1.06	1.21	1.28	1.19	1.19	1.27	1.31	1.40	1.47	1.49	1.54	1.62
CarTech® 309 Stainless	1.22	1.37	1.46	1.35	1.35	1.44	1.48	1.59	1.68	1.70	1.76	1.86
CarTech® 310 Stainless	1.71	1.82	1.94	1.75	1.75	1.88	1.94	2.07	2.18	2.22	2.28	2.41
CarTech® 316/316L Stainless	1.24	1.40	1.52	1.43	1.40	1.57	1.75	1.86	1.95	1.97	2.00	2.09
CarTech® 316L Stainless	1.24	1.40	1.52	1.43	1.40	1.57	1.75	1.86	1.95	1.97	2.00	2.09
CarTech® 321 Stainless	0.99	1.13	1.19	1.11	1.12	1.18	1.23	1.31	1.38	1.40	1.44	1.52
CarTech® 347 Stainless	1.01	1.16	1.23	1.14	1.15	1.22	1.26	1.35	1.42	1.43	1.48	1.56
CarTech® 403 Stainless	0.24	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.49	0.52	0.56
CarTech® 410 Stainless	0.24	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.49	0.52	0.56
CarTech® 416 Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57

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CarTech® 416 (No. 5) Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 416 RS Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 416BQ Stainless (No. 5BQ)	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 420 Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 420 Mod Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® 420F Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.48	0.52	0.50	0.53	0.58
CarTech® 430 Stainless	0.28	0.37	0.39	0.45	0.45	0.45	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 430F Stainless	0.28	0.37	0.39	0.45	0.45	0.45	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 430FR Stainless	0.28	0.37	0.39	0.45	0.45	0.45	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 431 Stainless	0.40	0.53	0.56	0.58	0.58	0.60	0.63	0.67	0.72	0.71	0.75	0.80
CarTech® 434 Stainless	0.36	0.46	0.50	0.56	0.55	0.57	0.65	0.69	0.74	0.74	0.78	0.83
CarTech® 440A Stainless	0.28	0.37	0.39	0.44	0.44	0.44	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 440C Stainless	0.28	0.37	0.39	0.44	0.44	0.44	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 440F-Se Stainless	0.28	0.37	0.39	0.45	0.45	0.45	0.47	0.50	0.55	0.54	0.58	0.63
CarTech® 446 Stainless	0.31	0.40	0.43	0.49	0.49	0.49	0.52	0.55	0.62	0.62	0.68	0.74
CarTech® 204-Cu Stainless	0.61	0.76	0.94	1.07	1.01	0.99	1.07	1.19	1.27	1.27	1.27	1.36
CarTech® Consumet® 304L-SCQ	0.84	1.04	1.10	1.04	1.04	1.10	1.14	1.22	1.29	1.31	1.35	1.43
CarTech® Custom 450® Stainless	0.77	1.05	1.14	1.12	1.10	1.19	1.35	1.42	1.49	1.50	1.53	1.59
CarTech® Custom 455® Stainless	0.87	0.95	1.00	0.93	0.94	0.99	1.03	1.10	1.15	1.15	1.18	1.24
CarTech® Custom 465® Stainless	1.05	1.22	1.29	1.21	1.20	1.29	1.39	1.47	1.54	1.54	1.57	1.64
CarTech® Custom 475™ Stainless	1.27	1.70	2.50	2.69	2.33	2.24	2.62	3.21	3.29	3.33	3.60	4.01
CarTech® Custom Flo 302HQ Stainless	0.88	1.02	1.08	1.01	1.02	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® EnduraMet® 2205 Stainless	0.90	1.05	1.16	1.16	1.13	1.22	1.41	1.50	1.60	1.56	1.59	1.67
CarTech® Gall-Tough® PLUS Stainless	0.89	1.00	1.06	1.01	1.01	1.06	1.10	1.18	1.26	1.27	1.32	1.39
CarTech® Gall-Tough® Stainless	0.55	0.75	0.80	0.78	0.79	0.82	0.86	0.92	0.98	0.98	1.02	1.09
CarTech® 15Cr-5Ni Project 70+® Stainless	0.67	0.80	0.85	0.85	0.86	0.91	0.93	0.98	1.02	1.02	1.06	1.12
CarTech® Custom 630 Project 70+® Stainless	0.65	0.72	0.77	0.78	0.78	0.87	0.91	0.96	1.01	1.00	1.05	1.10
CarTech® 303 Project 70+® Escomatic Quality	0.84	0.98	1.04	0.98	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.40
CarTech® 303 Project 70+® Stainless	0.84	0.98	1.04	0.98	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.40
CarTech® 304/304L Project 70+® Stainless	0.91	0.98	1.04	0.97	0.98	1.08	1.12	1.19	1.26	1.27	1.32	1.39
CarTech® 316/316L Project 70+® Stainless	1.28	1.40	1.52	1.43	1.40	1.57	1.75	1.86	1.95	1.97	2.00	2.09
CarTech® 416 Project 70+® Stainless	0.25	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.50	0.53	0.57
CarTech® Pyrowear® 675 Stainless	0.70	1.00	1.49	1.66	1.45	1.35	1.53	1.90	1.95	1.96	2.14	2.41
CarTech® SCF 19 Max® Alloy	1.83	2.08	2.26	2.12	2.07	2.28	2.58	2.75	2.88	2.94	2.96	3.08

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CarTech® 410 Mod Stainless	0.24	0.35	0.37	0.42	0.42	0.42	0.45	0.47	0.51	0.49	0.52	0.56
CarTech® TrimRite® Stainless	0.35	0.46	0.49	0.53	0.53	0.54	0.61	0.64	0.69	0.68	0.71	0.76
CarTech® 409Cb Stainless	0.25	0.37	0.39	0.43	0.43	0.43	0.46	0.49	0.52	0.50	0.53	0.57
CarTech® 409Cb High Nickel Stainless	0.30	0.37	0.39	0.43	0.43	0.43	0.46	0.49	0.52	0.50	0.53	0.57
CarTech® 2507 Super Duplex Stainless	1.01	1.17	1.28	1.28	1.24	1.35	1.57	1.67	1.77	1.81	1.84	1.93
CarTech® Ni-Cu K500	5.30	5.94	6.22	5.51	5.58	6.15	6.19	6.51	6.61	6.70	6.78	6.95
CarTech® 330 Stainless	2.66	2.92	3.09	2.69	2.70	2.93	3.02	3.22	3.34	3.40	3.45	3.61
CarTech® 317 Stainless	1.44	1.62	1.76	1.66	1.63	1.77	1.99	2.12	2.22	2.26	2.28	2.38
CarTech® A-21®	0.48	0.60	0.64	0.65	0.65	0.68	0.73	0.78	0.82	0.81	0.83	0.87

AEROSPACE AND HIGH TEMPERATURE ALLOYS

CarTech® A-286 Alloy	2.09	2.34	2.49	2.20	2.20	2.40	2.54	2.84	2.93	2.99	3.17	3.26
CarTech® Alloy 2 (159 ALY / MP159)	6.88	11.13	16.34	17.33	15.07	13.87	15.07	19.08	19.46	19.86	21.98	24.62
CarTech® Greek Ascoloy (418 SS)	0.73	0.92	0.97	0.99	0.99	1.00	1.03	1.07	1.11	1.10	1.13	1.18
CarTech® L-605 Alloy	7.65	9.68	13.78	14.99	13.24	11.88	12.38	15.52	15.53	15.67	17.62	19.70
CarTech® Waspaloy	5.46	6.23	7.63	7.30	6.79	6.88	7.36	8.66	8.83	9.02	9.69	10.41
CarTech® 350 (Pyromet® 350)	0.79	0.91	1.00	1.02	0.98	1.07	1.25	1.33	1.40	1.41	1.43	1.50
CarTech® 355 (Pyromet® 355)	0.79	0.92	1.01	1.02	0.99	1.07	1.26	1.33	1.40	1.42	1.43	1.49
CarTech® 41 (Pyromet® 41)	5.59	6.36	7.66	7.32	6.83	7.09	7.87	9.05	9.27	9.47	10.00	10.61
CarTech® 600 (Pyromet® 600)	4.43	4.86	5.18	4.28	4.30	4.79	4.93	5.45	5.62	5.77	5.98	6.21
CarTech® 625 (Pyromet® 625)	5.29	5.74	6.29	5.50	5.43	6.08	6.87	7.46	7.69	7.85	8.01	8.20
CarTech® 680 (Pyromet® 680)	4.32	4.76	5.26	4.78	4.64	5.09	5.72	6.33	6.53	6.71	6.95	7.16
CarTech® 706 (Pyromet® 706)	3.11	3.37	3.64	3.10	3.12	3.44	3.65	4.02	4.13	4.19	4.37	4.50
CarTech® 718 (Pyromet® 718)	4.29	4.62	5.07	4.35	4.36	4.83	5.33	5.81	5.97	6.05	6.21	6.37
CarTech® 720 (Pyromet® 720)	5.45	6.28	7.76	7.45	6.92	6.94	7.37	8.68	8.84	9.01	9.68	10.45
CarTech® 80A (Pyromet® 80A)	4.67	5.08	5.42	4.50	4.52	5.02	5.16	5.74	5.92	6.08	6.35	6.58
CarTech® 825 (Pyromet® 825)	3.81	4.24	4.53	3.99	3.96	4.35	4.61	4.91	5.08	5.19	5.23	5.43
CarTech® 882 (Pyromet® 882)	0.36	0.42	0.45	0.49	0.48	0.50	0.61	0.63	0.66	0.64	0.64	0.67
CarTech® 901 (Pyromet® 901)	3.37	3.69	4.00	3.51	3.46	3.86	4.30	4.68	4.84	4.96	5.08	5.21
CarTech® CTX-1 (Pyromet® CTX-1)	3.95	4.68	6.11	5.99	5.48	5.35	5.71	6.79	6.85	6.88	7.36	8.09
CarTech® CTX-3 (Pyromet® CTX-3)	3.99	4.69	6.10	5.93	5.46	5.38	5.81	6.82	6.89	6.89	7.30	7.99
CarTech® CTX-909 (Pyromet® CTX-909)	3.98	4.68	6.08	5.92	5.45	5.37	5.80	6.81	6.87	6.87	7.28	7.97
CarTech® X-750 (Pyromet® X-750)	4.35	4.91	5.25	4.36	4.38	4.87	5.05	5.57	5.74	5.87	6.07	6.30
CarTech® Thermo-Span® Alloy	4.99	6.04	8.61	8.98	7.99	7.42	8.03	9.89	9.92	9.92	10.89	12.14

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MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS												
CarTech® 22-3 High Thermal Expansion	1.67	1.89	1.99	1.74	1.75	1.89	1.96	2.09	2.14	2.15	2.16	2.25
CarTech® Electrical Iron	0.19	0.28	0.28	0.32	0.32	0.32	0.35	0.37	0.37	0.33	0.33	0.34
CarTech® Glass Sealing 42	2.93	3.25	3.42	2.93	2.94	3.21	3.31	3.53	3.61	3.65	3.65	3.79
CarTech® Glass Sealing 52	3.56	3.93	4.07	3.46	3.47	3.80	3.92	4.19	4.29	4.34	4.35	4.51
CarTech® High Permeability "49"® Alloy	3.33	3.75	3.88	3.31	3.31	3.63	3.74	4.00	4.09	4.14	4.15	4.31
CarTech® HyMu "80"® Alloy	5.77	6.41	6.74	5.78	5.74	6.35	6.74	7.19	7.37	7.51	7.49	7.74
CarTech® HyMu "80"® Mark II Alloy	5.77	6.41	6.74	5.78	5.74	6.35	6.74	7.19	7.37	7.51	7.49	7.74
CarTech® HyMu "800"	5.83	6.47	6.89	5.94	5.89	6.44	6.94	7.40	7.59	7.73	7.70	7.96
CarTech® Invar 36 Alloy	2.59	2.89	3.04	2.61	2.62	2.86	2.95	3.15	3.22	3.24	3.25	3.37
CarTech® Low Expansion "42"® Alloy / Thermosta	2.93	3.25	3.42	2.93	2.94	3.21	3.31	3.53	3.61	3.65	3.65	3.79
CarTech® Low Expansion 43-PH	3.07	3.38	3.56	3.07	3.07	3.35	3.45	3.69	3.78	3.83	3.85	4.00
CarTech® Nickel 200 Alloy	6.82	7.49	7.84	6.61	6.62	7.28	7.47	7.99	8.19	8.33	8.34	8.65
CarTech® Nickel 201 Alloy, Nickel 205 Alloy	6.75	7.44	7.78	6.56	6.57	7.23	7.42	7.94	8.13	8.27	8.29	8.60
CarTech® Silicon Core Iron "A-FM"	0.14	0.28	0.21	0.25	0.25	0.25	0.28	0.30	0.30	0.26	0.26	0.27
CarTech® Silicon Core Iron "B"	0.18	0.29	0.29	0.32	0.32	0.32	0.36	0.37	0.37	0.33	0.33	0.35
CarTech® Silicon Core Iron "B-FM"	0.18	0.29	0.29	0.32	0.32	0.32	0.36	0.37	0.37	0.33	0.33	0.35
CarTech® Temperature Compensator "30"® Type 2	2.12	2.38	2.51	2.16	2.17	2.36	2.45	2.61	2.67	2.69	2.69	2.80
CarTech® Temperature Compensator "30"® Type 4	2.12	2.38	2.51	2.16	2.17	2.36	2.45	2.61	2.67	2.69	2.69	2.80
CarTech®Temperature Compensator "32"	2.29	2.56	2.70	2.32	2.32	2.54	2.62	2.80	2.87	2.89	2.89	3.00
CarTech® Chrome Core® 8-FM Alloy	0.25	0.35	0.37	0.42	0.41	0.42	0.47	0.49	0.52	0.50	0.51	0.54
CarTech® Chrome Core® 12-FM Alloy	0.27	0.37	0.39	0.44	0.44	0.45	0.50	0.52	0.56	0.54	0.57	0.61
CarTech® Chrome Core® 13-FM	0.28	0.38	0.40	0.45	0.45	0.45	0.50	0.53	0.57	0.55	0.58	0.62
CarTech® Chrome Core® 13-XP	0.39	0.51	0.55	0.61	0.60	0.61	0.69	0.72	0.77	0.75	0.77	0.81
CarTech® Chrome Core® 18-FM Alloy	0.42	0.53	0.58	0.64	0.62	0.66	0.78	0.82	0.88	0.88	0.91	0.96
CarTech® Free-Cut Invar "36"® Alloy	2.59	2.89	3.04	2.61	2.62	2.86	2.95	3.15	3.22	3.24	3.25	3.37
CarTech® Hiperc® 27 Alloy	2.71	3.60	5.72	6.46	5.51	4.75	5.03	6.60	6.58	6.59	7.51	8.61
CarTech® Hiperc® 50 Alloy	4.91	6.47	10.32	11.66	9.94	8.55	9.04	11.88	11.84	11.88	13.48	15.45
CarTech® Hiperc® 50 HS Alloy	4.84	6.42	10.16	11.49	9.79	8.42	8.90	11.71	11.67	11.71	13.30	15.26
CarTech® Hiperc® 50A Alloy	4.91	6.47	10.32	11.66	9.94	8.55	9.04	11.88	11.84	11.88	13.48	15.45
CarTech® Hy Mu 77 Alloy	5.41	5.92	6.25	5.33	5.35	5.88	6.02	6.42	6.57	6.68	6.71	6.95
CarTech® Hy-Ra "49"® Alloy	3.33	3.68	3.88	3.31	3.31	3.63	3.74	4.00	4.09	4.14	4.15	4.31

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CarTech® Kovar® Alloy	2.38	3.13	4.58	4.69	4.10	3.81	4.05	5.18	5.22	5.27	5.84	6.63
CarTech® MagneDur® 20-4 Alloy	1.81	2.06	2.21	2.01	1.97	2.17	2.45	2.60	2.67	2.69	2.66	2.74
CarTech® No. 1 JR® Type 1 Alloy	0.25	0.37	0.39	0.44	0.44	0.46	0.49	0.51	0.55	0.55	0.58	0.61
CarTech® No. 1 JR® Type 2 Alloy	0.25	0.35	0.36	0.41	0.41	0.41	0.44	0.47	0.50	0.49	0.52	0.56
CarTech® Rotelloy 3 Alloy	4.91	6.51	10.37	11.72	9.99	8.60	9.09	11.94	11.90	11.95	13.56	15.54
CarTech® Rotelloy 8 Alloy	4.84	6.44	10.31	11.65	9.92	8.53	9.03	11.88	11.84	11.88	13.49	15.47
CarTech® Mumetal	5.68	6.24	6.64	5.74	5.71	6.32	6.67	7.10	7.27	7.40	7.39	7.63
CarTech® Hypocore	0.25	0.51	0.90	1.07	0.89	0.75	0.84	1.14	1.13	1.11	1.28	1.49
CarTech® High Expansion 25-8	1.89	2.12	2.23	1.96	1.97	2.13	2.20	2.35	2.42	2.44	2.47	2.57
CarTech® Low Expansion 50	3.55	3.91	4.12	3.52	3.53	3.86	3.98	4.24	4.34	4.40	4.40	4.56
CarTech® Low Expansion 40	2.87	3.18	3.34	2.87	2.87	3.14	3.24	3.45	3.53	3.57	3.57	3.70
CarTech® Low Expansion 45	3.14	3.47	3.65	3.12	3.12	3.42	3.53	3.77	3.86	3.90	3.91	4.06
CarTech® High Expansion 19-7	1.49	1.68	1.77	1.57	1.58	1.70	1.76	1.88	1.93	1.94	1.96	2.05
CarTech® High Expansion 19-2	1.49	1.70	1.79	1.58	1.58	1.71	1.78	1.89	1.93	1.94	1.95	2.02
CarTech® Low Expansion 38-7	2.75	3.04	3.20	2.77	2.77	3.02	3.11	3.32	3.42	3.46	3.48	3.62
CarTech® High Expansion 72	1.76	2.07	2.18	2.13	2.20	2.40	2.58	2.68	3.59	3.90	4.47	5.18

MEDICAL ALLOYS

CarTech® BioDur® 108 Alloy	0.43	0.63	0.67	0.73	0.73	0.77	0.90	0.96	1.31	1.42	1.63	1.91
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	1.32	1.51	1.63	1.54	1.52	1.65	1.82	1.94	2.11	2.16	2.23	2.38
CarTech® BioDur® 316LS Stainless	1.44	1.62	1.76	1.65	1.62	1.76	1.96	2.09	2.19	2.22	2.25	2.34
CarTech® BioDur® 470/Custom 470	1.05	1.21	1.28	1.20	1.19	1.28	1.37	1.46	1.52	1.53	1.55	1.62
CarTech® BioDur® Carpenter CCM® Alloy	7.56	9.57	14.84	16.59	14.25	12.51	13.44	17.52	17.55	17.75	20.26	22.90
CarTech® BioDur® TrimRite® Stainless	0.35	0.46	0.49	0.53	0.53	0.54	0.61	0.64	0.69	0.68	0.71	0.76
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	7.56	9.49	14.70	16.44	14.12	12.41	13.37	17.41	17.45	17.65	20.14	22.75
CarTech® Micro-Melt® BioDur® CCM Plus®	7.17	9.15	14.11	15.76	13.55	11.94	12.88	16.75	16.79	17.00	19.39	21.88

CORROSION-RESISTANT ALLOYS

CarTech® Alloy C-276	5.50	6.11	6.70	6.14	5.96	6.64	7.68	8.28	8.57	8.76	8.76	8.92
CarTech® MP35N* Alloy	8.37	12.67	17.72	18.35	16.20	15.33	16.74	20.67	21.14	21.59	23.56	26.11
CarTech® Ni-Cu 400	5.47	6.05	6.41	5.70	5.76	6.35	6.39	6.71	6.81	6.90	6.98	7.16
CarTech® Ni-Cu 405	5.47	6.05	6.41	5.70	5.76	6.35	6.39	6.71	6.81	6.90	6.98	7.16
CarTech® Custom Age 625 PLUS® / 725	5.13	5.59	6.11	5.33	5.27	5.89	6.61	7.19	7.42	7.57	7.73	7.92
CarTech® 925	3.37	3.65	3.91	3.42	3.42	3.76	4.02	4.47	4.61	4.75	5.01	5.14

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Raw Material and Energy Surcharges 2021 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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*MP35N is a trademark of SPS Technologies, Inc.

BEARING AND GEAR STEELS

CarTech® 52100	0.31	0.32	0.33	0.36	0.36	0.36	0.40	0.42	0.43	0.40	0.41	0.42
CarTech® 52100T2	0.31	0.32	0.33	0.36	0.36	0.36	0.40	0.42	0.43	0.40	0.41	0.42
CarTech® Aero-A6	0.37	0.50	0.52	0.59	0.58	0.58	0.63	0.67	0.68	0.64	0.63	0.63
CarTech® BG-42	1.19	1.40	1.54	1.63	1.60	1.70	2.01	2.17	2.32	2.39	2.37	2.39
CarTech® CBS 223	0.68	0.72	0.79	0.87	0.84	0.88	1.08	1.16	1.25	1.26	1.24	1.25
CarTech® CBS 600	0.51	0.56	0.62	0.67	0.64	0.70	0.92	0.97	1.02	1.01	0.99	1.00
CarTech® CBS50Nil	1.41	1.46	1.61	1.60	1.53	1.69	2.07	2.21	2.33	2.37	2.32	2.35
CarTech® CSS-42L	2.04	2.69	3.78	4.13	3.68	3.48	3.95	4.80	4.94	5.04	5.43	5.92
CarTech® Dynaflex	0.56	0.66	0.70	0.76	0.75	0.78	0.90	0.96	1.01	1.00	1.00	1.01
CarTech® L-6490	0.95	1.00	1.12	1.20	1.15	1.24	1.57	1.67	1.74	1.76	1.71	1.72
CarTech® Lesco® 53	0.95	1.02	1.13	1.14	1.09	1.20	1.49	1.57	1.63	1.62	1.59	1.63
CarTech® Pyrowear® Alloy 53	0.95	1.02	1.13	1.14	1.09	1.20	1.49	1.57	1.63	1.62	1.59	1.63
CarTech® M-50	1.10	1.04	1.18	1.29	1.21	1.33	1.72	1.83	1.95	1.97	1.92	1.94
CarTech® QC61	2.26	2.94	4.41	4.76	4.16	3.78	4.06	5.14	5.18	5.22	5.79	6.52
CarTech® QC64	2.11	2.69	4.05	4.39	3.84	3.50	3.81	4.80	4.84	4.88	5.39	6.04

ALLOY STEELS

CarTech® 300M	0.49	0.50	0.52	0.54	0.53	0.56	0.63	0.66	0.67	0.65	0.65	0.66
CarTech® 35NCD16	0.60	0.68	0.70	0.68	0.69	0.72	0.76	0.81	0.83	0.81	0.82	0.84
CarTech® 4130 , 4140, 4150	0.32	0.33	0.34	0.37	0.37	0.38	0.43	0.45	0.46	0.43	0.43	0.44
CarTech® 4319, 4320, 4343	0.47	0.48	0.49	0.50	0.50	0.52	0.58	0.61	0.62	0.59	0.59	0.61
CarTech® 4330+V, 4335+V	0.50	0.52	0.54	0.55	0.55	0.57	0.64	0.68	0.69	0.67	0.67	0.68
CarTech® 4340, 4340 VV	0.46	0.49	0.50	0.51	0.51	0.53	0.59	0.62	0.63	0.61	0.61	0.63
CarTech® 6150	0.34	0.36	0.36	0.41	0.41	0.41	0.45	0.47	0.48	0.44	0.44	0.45
CarTech® 8620	0.36	0.35	0.36	0.39	0.39	0.40	0.45	0.47	0.47	0.44	0.44	0.46
CarTech® 9310, 9315	0.56	0.61	0.63	0.62	0.62	0.65	0.69	0.73	0.75	0.73	0.73	0.76
CarTech® AerMet® 100 Alloy	2.16	2.71	3.80	4.03	3.57	3.30	3.54	4.39	4.41	4.44	4.91	5.48
CarTech® AerMet® 310 Alloy	2.35	2.96	4.21	4.50	3.96	3.63	3.90	4.86	4.89	4.91	5.44	6.09
CarTech® AerMet® 340 Alloy	2.50	3.14	4.45	4.75	4.18	3.86	4.16	5.17	5.19	5.22	5.76	6.44
CarTech® AF1410	2.05	2.60	3.71	3.95	3.48	3.20	3.45	4.30	4.33	4.36	4.80	5.38
CarTech® No. 158® Alloy	0.60	0.65	0.68	0.66	0.66	0.69	0.73	0.78	0.80	0.78	0.79	0.81

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Raw Material and Energy Surcharges 2021 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® D6AC	0.45	0.48	0.51	0.54	0.53	0.56	0.66	0.69	0.71	0.69	0.68	0.70
CarTech® GNB100	0.72	0.78	0.83	0.82	0.81	0.86	0.96	1.02	1.05	1.03	1.02	1.05
CarTech® HP-9-4-20	1.33	1.60	2.00	2.03	1.87	1.84	2.00	2.32	2.35	2.36	2.49	2.71
CarTech® HP-9-4-30	1.19	1.47	1.86	1.90	1.74	1.70	1.86	2.18	2.21	2.21	2.35	2.56
CarTech® HY180	1.73	2.06	2.73	2.83	2.55	2.43	2.63	3.16	3.20	3.22	3.47	3.83
CarTech® HYTUF	0.55	0.57	0.60	0.59	0.59	0.62	0.69	0.72	0.73	0.71	0.71	0.73
CarTech® L-6305	0.38	0.40	0.41	0.46	0.45	0.46	0.53	0.56	0.57	0.55	0.54	0.55
CarTech® NiMark® Alloy 250	2.34	2.79	3.55	3.56	3.24	3.25	3.66	4.23	4.30	4.34	4.56	4.92
CarTech® NiMark+A273 Alloy 250-LR	2.34	2.79	3.55	3.56	3.24	3.25	3.66	4.23	4.30	4.34	4.56	4.92
CarTech® NiMark® Alloy 300	2.45	2.95	3.81	3.85	3.49	3.46	3.89	4.53	4.61	4.65	4.90	5.32
CarTech® Nitralloy 135	0.31	0.35	0.36	0.40	0.40	0.41	0.46	0.48	0.50	0.47	0.48	0.49
CarTech® Nitralloy N	0.58	0.64	0.66	0.65	0.65	0.68	0.74	0.78	0.80	0.78	0.78	0.81
CarTech® PremoMax® Alloy	0.50	0.50	0.52	0.55	0.55	0.56	0.61	0.65	0.67	0.65	0.65	0.66
CarTech® PremoMet® Alloy	0.74	0.76	0.80	0.79	0.79	0.83	0.90	0.96	0.98	0.96	0.96	0.98
CarTech® QM54	1.99	1.49	2.07	2.27	2.01	1.88	2.11	2.53	2.56	2.56	2.76	3.05
CarTech® UT-18	0.44	0.52	0.55	0.60	0.59	0.62	0.72	0.77	0.80	0.79	0.79	0.80

SPECIALTY ALLOYS

CarTech® AEREX	15.33	13.24	17.06	17.23	15.68	15.54	16.71	19.96	20.46	20.97	22.42	24.48
CarTech® JETHETE	1.40	1.55	1.62	1.49	1.49	1.61	1.68	1.78	1.83	1.84	1.85	1.91
CarTech® QS53	1.75	2.85	3.99	4.31	3.84	3.55	3.86	4.75	4.84	4.91	5.36	5.93
CarTech® XM-27	0.64	0.46	0.51	0.55	0.52	0.57	0.72	0.92	1.29	1.53	1.70	1.69

SPECIAL PURPOSE ALLOYS

CarTech® CBX Cupron® Alloy	4.80	5.22	5.56	5.17	5.27	5.83	5.76	5.96	6.00	6.07	6.19	6.28
CarTech® Evanohm® Alloy R	5.22	5.69	6.02	5.14	5.15	5.64	5.78	6.18	6.38	6.51	6.57	6.84
CarTech® Manganin 13	3.02	3.51	3.77	3.97	4.13	4.59	4.37	4.36	4.42	4.47	4.73	4.76
CarTech® NIAL Alloy	6.56	7.15	7.55	6.38	6.39	7.02	7.20	7.70	7.89	8.03	8.04	8.34
CarTech® NIAL Alloy / Low Resistivity NIAL	6.56	7.15	7.55	6.38	6.39	7.02	7.20	7.70	7.89	8.03	8.04	8.34

VALVE STEELS

CarTech® 31V (Pyromet® 31V)	4.00	4.34	4.64	3.95	3.96	4.37	4.60	5.13	5.29	5.45	5.73	5.91
CarTech® 751 (Pyromet® 751)	4.33	4.75	5.07	4.20	4.22	4.69	4.83	5.34	5.51	5.66	5.87	6.09
CarTech® 80A (Pyromet® 80A) Valve	4.67	5.08	5.42	4.50	4.52	5.02	5.16	5.74	5.92	6.08	6.35	6.58

Raw Material and Energy Surcharges 2021 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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HIGH SPEED STEELS (not applicable to powder products)

CarTech® M1 - Tatmo	1.43	1.54	1.73	1.84	1.73	1.91	2.47	2.59	2.69	2.72	2.64	2.66
CarTech® M2 - Double 6	1.95	2.21	2.38	2.49	2.42	2.53	2.88	2.99	3.06	3.07	3.00	3.01
CarTech® M2 - Double 6-XL	1.95	2.14	2.31	2.41	2.35	2.45	2.79	2.90	2.97	2.98	2.91	2.93
CarTech® M4 - Stark	2.04	2.20	2.38	2.52	2.46	2.54	2.86	2.98	3.06	3.05	2.94	2.95
CarTech® M7 - Tatmo-VN	1.61	1.69	1.90	2.03	1.92	2.10	2.66	2.79	2.90	2.92	2.82	2.84
CarTech® M11 - Vancomo	1.45	1.32	1.62	1.78	1.62	1.73	2.22	2.41	2.50	2.53	2.51	2.62
CarTech® M35 - HS 105	2.11	2.53	3.02	3.23	3.02	3.01	3.39	3.72	3.79	3.81	3.88	4.06
CarTech® M42 - Dynamax	1.92	2.31	3.05	3.34	2.98	2.99	3.67	4.19	4.29	4.34	4.47	4.76
CarTech® M50 - CM-50	0.86	1.00	1.12	1.21	1.15	1.25	1.58	1.67	1.75	1.77	1.71	1.73
CarTech® Abscido	1.32	1.58	1.70	1.81	1.77	1.83	2.06	2.16	2.22	2.22	2.15	2.16
CarTech® Supersaw	1.41	1.32	2.06	2.35	2.00	1.87	2.24	2.77	2.81	2.82	3.04	3.76

TOOL STEELS (not applicable to powder products)

CarTech® A2 - Select-B	0.45	0.59	0.63	0.68	0.67	0.69	0.80	0.85	0.89	0.88	0.88	0.90
CarTech® A6 - Lesco A6	0.39	0.44	0.46	0.51	0.50	0.52	0.63	0.66	0.68	0.65	0.65	0.66
CarTech® A7 - Brickmold	1.21	1.29	1.40	1.54	1.53	1.54	1.67	1.79	1.88	1.86	1.78	1.79
CarTech® A8 - MGR	0.65	0.83	0.88	0.94	0.93	0.96	1.08	1.14	1.19	1.18	1.18	1.19
CarTech® A9 - Mazeman	0.74	0.87	0.93	0.99	0.97	1.01	1.16	1.23	1.29	1.28	1.26	1.28
CarTech® A10 - Graph-Air	0.56	0.59	0.63	0.65	0.63	0.68	0.81	0.85	0.87	0.85	0.83	0.86
CarTech® A18 - Whitebear	0.84	0.99	1.07	1.17	1.16	1.18	1.33	1.43	1.50	1.50	1.46	1.47
CarTech® D3 - GSN	0.40	0.73	0.77	0.81	0.84	0.84	0.88	0.96	1.04	1.06	1.10	1.10
CarTech® D4 - GSN+Mo	0.52	0.34	0.34	0.38	0.38	0.39	0.44	0.46	0.46	0.43	0.42	0.44
CarTech® D7 - BR-4	1.14	1.33	1.44	1.57	1.57	1.58	1.70	1.84	1.94	1.95	1.89	1.89
CarTech® H11 - Dycast	0.51	0.64	0.69	0.74	0.74	0.76	0.88	0.94	0.98	0.97	0.96	0.98
CarTech® H12 - L.P.D.®	0.68	0.86	0.91	0.97	0.96	0.99	1.11	1.17	1.22	1.21	1.21	1.22
CarTech® H13++ - VDC-RF	0.59	0.72	0.77	0.84	0.83	0.85	0.98	1.05	1.10	1.09	1.07	1.08
CarTech® H13-FM - Viscount	0.61	0.73	0.79	0.86	0.85	0.87	1.00	1.07	1.12	1.11	1.09	1.10
CarTech® H19 - Lesco19	1.48	1.82	2.18	2.35	2.22	2.13	2.23	2.50	2.54	2.52	2.60	2.76
CarTech® H21 - CLW	1.59	1.97	2.04	2.08	2.09	2.09	2.13	2.16	2.18	2.16	2.16	2.17
CarTech® H26 - H26 Mod	2.93	3.62	3.78	3.85	3.84	3.82	3.86	3.94	3.97	3.95	3.96	3.98
CarTech® H43 - Lesco 43	1.41	1.80	2.15	2.33	2.20	2.09	2.18	2.45	2.48	2.46	2.55	2.70

Raw Material and Energy Surcharges 2021 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® L6 - Montana	0.97	1.15	1.19	1.21	1.21	1.23	1.29	1.31	1.32	1.29	1.29	1.31
CarTech® O1 - Badger	0.35	0.40	0.41	0.45	0.45	0.45	0.49	0.50	0.51	0.47	0.47	0.48
CarTech® O6 - Graph-Mo	0.31	0.34	0.34	0.38	0.38	0.39	0.44	0.46	0.46	0.43	0.42	0.44
CarTech® O7 - Lesco O7	0.49	0.57	0.58	0.62	0.62	0.62	0.66	0.68	0.68	0.65	0.65	0.66
CarTech® S1 - XL®-Chisel	0.61	0.72	0.74	0.79	0.79	0.79	0.83	0.85	0.86	0.83	0.83	0.84
CarTech® S4 - Damascus	0.28	0.30	0.30	0.34	0.34	0.34	0.38	0.40	0.40	0.36	0.36	0.37
CarTech® S5 - Lanark	0.44	0.46	0.48	0.54	0.52	0.55	0.66	0.69	0.71	0.68	0.66	0.67
CarTech® S7 - Bearcat	0.44	0.54	0.58	0.63	0.61	0.64	0.77	0.82	0.85	0.84	0.84	0.85
CarTech® CAT4039	0.57	0.61	0.67	0.73	0.70	0.75	0.92	0.97	1.00	0.99	0.97	0.98
CarTech® Lescowear	1.03	1.21	1.30	1.40	1.39	1.42	1.56	1.66	1.73	1.73	1.69	1.70
CarTech® Mandrel	0.52	0.58	0.60	0.60	0.60	0.62	0.68	0.72	0.73	0.70	0.70	0.73
CarTech® 420-FM - Saxman-FM	0.43	0.84	0.88	0.92	0.95	0.96	1.00	1.10	1.20	1.24	1.29	1.29
CarTech® 420SS - Saxman6R	0.43	0.84	0.88	0.92	0.95	0.96	1.00	1.10	1.20	1.24	1.29	1.29

Conversion Services (Natural Gas Surcharges)												
Process 1 - Non-Ti Air Cool	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.04	0.05	0.08
Process 2 - Non Ti Fce Cool	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.06	0.07	0.12
Process 3 - General Ti	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.04	0.05	0.08
Process 4 Special Processing	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.06	0.07	0.12
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