

Raw Material and Energy Surcharges 2024 - 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.

12/2/2024

STAINLESS STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless/SCF260	1.28	1.28	1.29	1.30	1.32	1.41	1.41	1.41	1.36	1.33	1.33	1.27
CarTech® 15-15LC® Modified Stainless	1.09	1.09	1.09	1.09	1.10	1.17	1.19	1.21	1.16	1.12	1.12	1.08
CarTech® 20Cb-3® Stainless	3.93	3.90	3.95	4.18	4.36	4.72	4.34	4.18	4.12	4.06	4.20	3.93
CarTech® 20Mo-6® Stainless	4.58	4.61	4.66	4.91	5.07	5.49	5.17	5.02	4.91	4.85	5.00	4.73
CarTech® 302HQ-FM® Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® 316L-SCQ® Stainless	2.09	2.10	2.11	2.19	2.26	2.43	2.30	2.25	2.20	2.16	2.21	2.10
CarTech® 13-8 Stainless	1.57	1.58	1.58	1.63	1.67	1.79	1.72	1.69	1.64	1.61	1.65	1.58
CarTech® 15Cr-5Ni	1.02	1.00	1.00	1.02	1.07	1.13	1.05	1.03	1.01	0.97	0.99	0.93
CarTech® 18Cr-2Ni-12Mn	0.74	0.71	0.71	0.70	0.72	0.74	0.71	0.72	0.71	0.66	0.65	0.62
CarTech® 18Cr-3Ni-12Mn	0.88	0.85	0.85	0.86	0.89	0.93	0.88	0.88	0.86	0.81	0.81	0.76
CarTech® 21Cr-6Ni-9Mn	1.19	1.15	1.16	1.19	1.24	1.30	1.21	1.19	1.18	1.12	1.13	1.06
CarTech® 22Cr-13Ni-5Mn	2.07	2.07	2.09	2.16	2.23	2.39	2.28	2.23	2.18	2.12	2.16	2.05
CarTech® 302HQ-SFQ Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® Custom 631 (17Cr-7Ni)	1.12	1.09	1.10	1.13	1.17	1.24	1.14	1.11	1.10	1.05	1.07	1.00
CarTech® 15-7PH Stainless	1.53	1.54	1.55	1.59	1.63	1.74	1.68	1.65	1.61	1.57	1.60	1.53
CarTech® Custom 630 (17Cr-4Ni) Stainless	1.01	0.98	0.99	1.01	1.05	1.11	1.03	1.01	0.99	0.95	0.96	0.91
CarTech® No. 5-F Stainless (Type 416 Mod)	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39
CarTech® 302 Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® 303 Stainless	1.31	1.27	1.29	1.33	1.38	1.46	1.34	1.30	1.29	1.24	1.26	1.18
CarTech® 303 Se Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® 304/304L Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® 305 Stainless	1.52	1.49	1.50	1.56	1.63	1.73	1.58	1.53	1.51	1.46	1.49	1.39
CarTech® 309 Stainless	1.75	1.70	1.72	1.80	1.87	1.99	1.82	1.77	1.75	1.68	1.71	1.59
CarTech® 310 Stainless	2.26	2.21	2.24	2.36	2.46	2.63	2.39	2.30	2.28	2.20	2.26	2.10
CarTech® 316/316L Stainless	1.83	1.83	1.84	1.91	1.96	2.10	2.00	1.96	1.92	1.88	1.91	1.82
CarTech® 316L Stainless	1.83	1.83	1.84	1.91	1.96	2.10	2.00	1.96	1.92	1.88	1.91	1.82
CarTech® 321 Stainless	1.47	1.43	1.44	1.50	1.56	1.66	1.51	1.46	1.45	1.39	1.43	1.33
CarTech® 347 Stainless	1.47	1.43	1.45	1.50	1.56	1.66	1.51	1.47	1.46	1.40	1.43	1.34
CarTech® 403 Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.44	0.45	0.44	0.41	0.40	0.39
CarTech® 410 Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.44	0.45	0.44	0.41	0.40	0.39
CarTech® 416 Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39
CarTech® 416 (No. 5) Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39
CarTech® 416 RS Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39

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CarTech® 416BQ Stainless (No. 5BQ)	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39
CarTech® 420 Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42	0.41	0.40
CarTech® 420 Mod Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42	0.41	0.40
CarTech® 420F Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42	0.42	0.40
CarTech® 430 Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.46	0.44
CarTech® 430F Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.46	0.44
CarTech® 430FR Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.46	0.44
CarTech® 431 Stainless	0.73	0.71	0.71	0.70	0.72	0.74	0.70	0.70	0.69	0.64	0.64	0.61
CarTech® 434 Stainless	0.76	0.76	0.76	0.74	0.75	0.78	0.78	0.79	0.76	0.72	0.71	0.69
CarTech® 440A Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.45	0.43
CarTech® 440C Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.45	0.43
CarTech® 440F-Se Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47	0.46	0.44
CarTech® 446 Stainless	0.66	0.64	0.65	0.63	0.64	0.65	0.64	0.65	0.62	0.56	0.54	0.51
CarTech® 204-Cu Stainless	1.05	1.06	1.07	1.07	1.07	1.08	1.12	1.12	1.07	1.03	1.03	1.04
CarTech® Consumet® 304L-SCQ	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® Custom 450® Stainless	1.52	1.53	1.53	1.57	1.61	1.72	1.67	1.64	1.59	1.56	1.59	1.52
CarTech® Custom 455® Stainless	1.33	1.29	1.30	1.34	1.41	1.48	1.35	1.35	1.35	1.32	1.39	1.32
CarTech® Custom 465® Stainless	1.85	1.83	1.84	1.91	2.00	2.11	1.97	1.98	1.98	1.97	2.09	2.01
CarTech® Custom 475™ Stainless	2.56	2.89	2.89	2.89	2.94	3.00	2.95	2.93	2.86	2.84	2.93	2.83
CarTech® Custom Flo 302HQ Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23	1.26	1.18
CarTech® EnduraMet® 2205 Stainless	1.58	1.60	1.61	1.63	1.67	1.79	1.77	1.75	1.69	1.64	1.66	1.59
CarTech® Gall-Tough® PLUS Stainless	1.26	1.23	1.24	1.28	1.33	1.41	1.29	1.26	1.25	1.20	1.22	1.14
CarTech® Gall-Tough® Stainless	0.98	0.95	0.95	0.97	1.00	1.05	0.98	0.96	0.95	0.90	0.91	0.86
CarTech® 15Cr-5Ni Project 70+® Stainless	1.02	1.00	1.00	1.02	1.07	1.13	1.05	1.03	1.01	0.97	0.99	0.93
CarTech® Custom 630 Project 70+® Stainless	1.01	0.98	0.99	1.01	1.05	1.11	1.03	1.01	0.99	0.95	0.96	0.91
CarTech® 303 Project 70+® Escomatic Quality	1.31	1.27	1.29	1.33	1.38	1.46	1.34	1.30	1.29	1.24	1.26	1.18
CarTech® 303 Project 70+® Stainless	1.31	1.27	1.29	1.33	1.38	1.46	1.34	1.30	1.29	1.24	1.26	1.18
CarTech® 304/304L Project 70+® Stainless	1.34	1.31	1.32	1.37	1.42	1.50	1.38	1.34	1.33	1.27	1.29	1.21
CarTech® 316/316L Project 70+® Stainless	1.83	1.83	1.84	1.91	1.96	2.10	2.00	1.96	1.92	1.88	1.91	1.82
CarTech® 416 Project 70+® Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42	0.41	0.39
CarTech® Pyrowear® 675 Stainless	1.29	1.46	1.46	1.43	1.43	1.42	1.40	1.37	1.33	1.27	1.26	1.21
CarTech® SCF 19 Max® Alloy	2.95	2.99	3.01	3.14	3.22	3.48	3.35	3.28	3.19	3.15	3.22	3.07
CarTech® 410 Mod Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.45	0.45	0.44	0.41	0.40	0.39
CarTech® TrimRite® Stainless	0.70	0.69	0.69	0.68	0.68	0.71	0.70	0.70	0.68	0.65	0.64	0.62
CarTech® 409Cb Stainless	0.50	0.49	0.48	0.46	0.47	0.48	0.46	0.46	0.45	0.42	0.42	0.40
CarTech® 409Cb High Nickel Stainless	0.50	0.49	0.48	0.46	0.47	0.48	0.46	0.46	0.45	0.42	0.42	0.40

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CarTech® 2507 Super Duplex Stainless	1.85	1.88	1.89	1.93	1.97	2.11	2.08	2.07	1.99	1.94	1.95	1.88
CarTech® Ni-Cu K500	6.62	6.49	6.56	7.07	7.52	8.22	7.32	6.96	6.89	6.89	7.23	6.72
CarTech® 330 Stainless	3.44	3.36	3.41	3.64	3.81	4.11	3.67	3.51	3.50	3.42	3.55	3.29
CarTech® 317 Stainless	2.28	2.30	2.31	2.40	2.46	2.65	2.54	2.49	2.42	2.38	2.43	2.32
CarTech® A-21®	0.81	0.79	0.79	0.79	0.81	0.85	0.81	0.80	0.78	0.75	0.77	0.73

AEROSPACE AND HIGH TEMPERATURE ALLOYS

CarTech® A-286 Alloy	3.27	3.25	3.27	3.44	3.62	3.86	3.55	3.50	3.50	3.48	3.68	3.50
CarTech® Alloy 2 (159 ALY / MP159)	12.42	15.33	15.39	15.45	15.49	15.24	14.46	14.30	14.34	14.01	14.03	13.32
CarTech® Greek Ascology (418 SS)	1.34	1.32	1.33	1.34	1.35	1.39	1.41	1.38	1.33	1.34	1.34	1.31
CarTech® L-605 Alloy	10.95	12.46	12.54	12.40	12.35	11.84	11.87	11.60	11.42	11.33	11.30	10.98
CarTech® Waspaloy	8.16	8.58	8.64	8.98	9.28	9.66	8.99	8.76	8.73	8.61	8.92	8.45
CarTech® 350 (Pyromet® 350)	1.43	1.46	1.47	1.48	1.51	1.61	1.60	1.59	1.53	1.50	1.51	1.46
CarTech® 355 (Pyromet® 355)	1.44	1.46	1.47	1.49	1.51	1.62	1.60	1.59	1.53	1.51	1.52	1.47
CarTech® 41 (Pyromet® 41)	9.02	9.52	9.58	9.93	10.22	10.74	10.21	10.02	9.90	9.83	10.15	9.70
CarTech® 600 (Pyromet® 600)	6.46	6.33	6.42	6.92	7.32	7.92	7.02	6.73	6.75	6.69	7.10	6.61
CarTech® 625 (Pyromet® 625)	8.69	8.84	8.86	9.31	9.67	10.39	9.79	9.62	9.52	9.51	9.96	9.53
CarTech® 680 (Pyromet® 680)	7.11	7.32	7.37	7.70	7.99	8.56	8.14	8.03	7.91	7.91	8.27	7.94
CarTech® 706 (Pyromet® 706)	4.66	4.58	4.58	4.87	5.12	5.47	4.95	4.83	4.86	4.82	5.11	4.82
CarTech® 718 (Pyromet® 718)	6.71	6.70	6.69	7.06	7.37	7.89	7.29	7.15	7.13	7.10	7.49	7.13
CarTech® 720 (Pyromet® 720)	8.17	8.58	8.64	8.99	9.27	9.61	8.94	8.68	8.65	8.54	8.81	8.32
CarTech® 80A (Pyromet® 80A)	6.85	6.71	6.80	7.32	7.74	8.35	7.44	7.16	7.19	7.13	7.55	7.04
CarTech® 825 (Pyromet® 825)	5.25	5.20	5.27	5.61	5.86	6.34	5.79	5.56	5.50	5.42	5.61	5.25
CarTech® 882 (Pyromet® 882)	0.63	0.64	0.62	0.61	0.61	0.64	0.64	0.65	0.62	0.62	0.63	0.62
CarTech® 901 (Pyromet® 901)	5.58	5.65	5.70	6.00	6.25	6.72	6.30	6.17	6.10	6.09	6.35	6.05
CarTech® CTX-1 (Pyromet® CTX-1)	5.64	6.01	6.01	6.19	6.33	6.45	5.92	5.68	5.70	5.58	5.70	5.36
CarTech® CTX-3 (Pyromet® CTX-3)	5.79	6.13	6.11	6.29	6.41	6.55	6.03	5.81	5.83	5.71	5.85	5.52
CarTech® CTX-909 (Pyromet® CTX-909)	5.77	6.11	6.09	6.27	6.40	6.53	6.02	5.79	5.81	5.69	5.83	5.50
CarTech® X-750 (Pyromet® X-750)	6.64	6.50	6.57	7.08	7.47	8.06	7.18	6.90	6.93	6.86	7.25	6.76
CarTech® C-263	8.77	9.43	9.48	9.75	9.99	10.27	9.70	9.49	9.42	9.28	9.56	9.09
CarTech® Thermo-Span® Alloy	6.92	7.75	7.69	7.69	7.72	7.55	7.16	6.98	7.01	6.81	6.88	6.57

MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS

CarTech® 22-3 High Thermal Expansion	2.14	2.09	2.11	2.24	2.34	2.53	2.24	2.13	2.14	2.11	2.21	2.06
CarTech® Electrical Iron	0.31	0.30	0.28	0.26	0.26	0.26	0.23	0.24	0.24	0.24	0.25	0.25

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CarTech® Glass Sealing 42	3.64	3.56	3.60	3.87	4.06	4.40	3.88	3.68	3.69	3.66	3.84	3.57
CarTech® Glass Sealing 52	4.34	4.24	4.30	4.63	4.86	5.28	4.65	4.40	4.41	4.37	4.59	4.26
CarTech® High Permeability "49"® Alloy	4.13	4.04	4.09	4.41	4.63	5.03	4.42	4.19	4.20	4.16	4.38	4.05
CarTech® HyMu "80"® Alloy	7.50	7.44	7.53	8.09	8.45	9.20	8.29	7.91	7.86	7.81	8.17	7.64
CarTech® HyMu "80"® Mark II Alloy	7.50	7.44	7.53	8.09	8.45	9.20	8.29	7.91	7.86	7.81	8.17	7.64
CarTech® HyMu "800"	7.72	7.67	7.76	8.32	8.68	9.45	8.56	8.17	8.11	8.07	8.44	7.90
CarTech® Super Invar 32-5	3.09	3.19	3.22	3.39	3.52	3.71	3.29	3.10	3.11	3.05	3.18	2.94
CarTech® Invar 36 Alloy	3.23	3.16	3.19	3.43	3.59	3.89	3.43	3.25	3.26	3.23	3.40	3.16
CarTech® Low Expansion "42"® Alloy / Thermostat	3.64	3.56	3.60	3.87	4.06	4.40	3.88	3.68	3.69	3.66	3.84	3.57
CarTech® Low Expansion 43-PH	3.91	3.81	3.86	4.15	4.35	4.70	4.16	3.96	3.97	3.91	4.08	3.78
CarTech® Nickel 200 Alloy	8.33	8.15	8.27	8.96	9.42	10.24	9.01	8.52	8.55	8.46	8.89	8.23
CarTech® Nickel 201 Alloy, Nickel 205 Alloy	8.27	8.10	8.22	8.90	9.35	10.17	8.95	8.47	8.49	8.41	8.83	8.17
CarTech® Silicon Core Iron "A-FM"	0.24	0.23	0.21	0.19	0.19	0.19	0.16	0.17	0.17	0.17	0.18	0.18
CarTech® Silicon Core Iron "B"	0.31	0.30	0.28	0.26	0.26	0.26	0.23	0.24	0.24	0.24	0.25	0.25
CarTech® Silicon Core Iron "B-FM"	0.31	0.30	0.28	0.26	0.26	0.26	0.23	0.24	0.24	0.24	0.25	0.25
CarTech® Temperature Compensator "30"® Type 2	2.67	2.61	2.64	2.83	2.97	3.21	2.83	2.68	2.69	2.66	2.80	2.60
CarTech® Temperature Compensator "30"® Type 4	2.67	2.61	2.64	2.83	2.97	3.21	2.83	2.68	2.69	2.66	2.80	2.60
CarTech® Temperature Compensator "32"	2.88	2.81	2.84	3.05	3.20	3.47	3.05	2.89	2.90	2.87	3.02	2.80
CarTech® Chrome Core® 8-FM Alloy	0.49	0.48	0.47	0.45	0.46	0.47	0.45	0.46	0.45	0.43	0.43	0.42
CarTech® Chrome Core® 12-FM Alloy	0.55	0.54	0.54	0.52	0.52	0.53	0.52	0.53	0.51	0.48	0.48	0.46
CarTech® Chrome Core® 13-FM	0.57	0.56	0.55	0.53	0.54	0.55	0.54	0.54	0.53	0.50	0.49	0.48
CarTech® Chrome Core® 13-XP	0.73	0.72	0.72	0.70	0.70	0.72	0.72	0.73	0.71	0.68	0.68	0.67
CarTech® Chrome Core® 18-FM Alloy	0.91	0.92	0.92	0.90	0.91	0.96	0.97	0.98	0.94	0.90	0.90	0.87
CarTech® Free-Cut Invar "36"® Alloy	3.23	3.16	3.19	3.43	3.59	3.89	3.43	3.25	3.26	3.23	3.40	3.16
CarTech® Hiperco® 27 Alloy	3.43	4.24	4.23	4.06	3.97	3.60	3.51	3.42	3.42	3.26	3.17	3.03
CarTech® Hiperco® 50 Alloy	6.13	7.58	7.58	7.29	7.12	6.45	6.31	6.15	6.14	5.85	5.68	5.46
CarTech® Hiperco® 50 HS Alloy	6.01	7.46	7.45	7.16	6.99	6.33	6.19	6.03	6.02	5.73	5.57	5.35
CarTech® Hiperco® 50A Alloy	6.13	7.58	7.58	7.29	7.12	6.45	6.31	6.15	6.14	5.85	5.68	5.46
CarTech® Hy Mu 77 Alloy	6.67	6.53	6.62	7.15	7.53	8.19	7.23	6.85	6.85	6.79	7.12	6.60
CarTech® Hy-Ra "49"® Alloy	4.13	4.04	4.09	4.41	4.63	5.03	4.42	4.19	4.20	4.16	4.38	4.05
CarTech® Kovar® Alloy	3.22	3.68	3.71	3.79	3.87	3.88	3.46	3.24	3.24	3.12	3.18	2.91
CarTech® MagneDur® 20-4 Alloy	2.67	2.70	2.71	2.84	2.92	3.18	2.99	2.90	2.84	2.84	2.95	2.82
CarTech® No. 1 JR® Type 1 Alloy	0.56	0.54	0.54	0.52	0.54	0.55	0.53	0.53	0.52	0.49	0.49	0.48
CarTech® No. 1 JR® Type 2 Alloy	0.52	0.51	0.50	0.48	0.50	0.50	0.49	0.49	0.48	0.45	0.44	0.43
CarTech® Rotelloy 3 Alloy	6.16	7.63	7.62	7.33	7.16	6.49	6.35	6.18	6.17	5.88	5.71	5.49
CarTech® Rotelloy 8 Alloy	6.09	7.56	7.55	7.26	7.09	6.42	6.28	6.11	6.10	5.81	5.64	5.42

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Raw Material and Energy Surcharges 2024 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® Mumetal	7.37	7.31	7.40	7.94	8.31	9.06	8.17	7.80	7.73	7.70	8.06	7.53
CarTech® Hypocore	0.48	0.62	0.61	0.55	0.54	0.47	0.43	0.41	0.41	0.38	0.37	0.35
CarTech® High Expansion 25-8	2.45	2.39	2.42	2.57	2.69	2.90	2.58	2.46	2.46	2.42	2.52	2.34
CarTech® Low Expansion 50	4.38	4.29	4.34	4.67	4.91	5.32	4.69	4.44	4.46	4.41	4.64	4.30
CarTech® Low Expansion 40	3.55	3.47	3.51	3.78	3.96	4.29	3.78	3.59	3.60	3.56	3.74	3.48
CarTech® Low Expansion 45	3.90	3.81	3.86	4.16	4.36	4.74	4.17	3.95	3.96	3.92	4.12	3.82
CarTech® High Expansion 19-7	1.94	1.90	1.91	2.02	2.11	2.27	2.03	1.94	1.94	1.90	1.98	1.85
CarTech® High Expansion 19-2	1.92	1.87	1.89	2.00	2.09	2.25	1.99	1.90	1.91	1.88	1.97	1.84
CarTech® Low Expansion 38-7	3.47	3.40	3.44	3.69	3.86	4.18	3.70	3.52	3.52	3.47	3.63	3.37
CarTech® High Expansion 72	2.14	2.13	2.15	2.26	2.27	2.67	2.54	2.49	2.45	2.37	2.42	2.26

MEDICAL ALLOYS

CarTech® BioDur® 108 Alloy	0.85	0.83	0.83	0.82	0.83	0.87	0.89	0.92	0.88	0.84	0.82	0.78
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	2.07	2.07	2.09	2.16	2.23	2.39	2.28	2.23	2.18	2.12	2.16	2.05
CarTech® BioDur® 316LS Stainless	2.25	2.26	2.27	2.36	2.43	2.62	2.49	2.43	2.37	2.33	2.39	2.27
CarTech® BioDur® 470/Custom 470	1.55	1.53	1.54	1.60	1.65	1.77	1.63	1.59	1.57	1.53	1.58	1.49
CarTech® BioDur® 734 Alloy	1.89	1.90	1.91	1.98	2.03	2.17	2.09	2.05	2.00	1.95	1.98	1.89
CarTech® BioDur® Carpenter CCM® Alloy	10.16	12.30	12.30	11.93	11.81	11.04	10.96	10.88	10.82	10.45	10.39	10.05
CarTech® BioDur® TrimRite® Stainless	0.70	0.69	0.69	0.68	0.68	0.71	0.70	0.70	0.68	0.65	0.64	0.62
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	10.15	12.29	12.28	11.92	11.80	11.05	10.98	10.91	10.84	10.48	10.42	10.09
CarTech® Micro-Melt® BioDur® CCM Plus®	9.89	11.93	11.92	11.58	11.48	10.78	10.73	10.67	10.60	10.26	10.22	9.90
CarTech® Conichrome Alloy	8.55	9.94	9.95	9.84	9.84	9.59	9.42	9.32	9.22	9.01	9.07	8.75

CORROSION-RESISTANT ALLOYS

CarTech® Alloy 22	9.30	9.57	9.64	10.08	10.41	11.20	10.79	10.61	10.40	10.46	10.89	10.48
CarTech® Alloy C-276	9.53	9.85	9.90	10.33	10.63	11.45	11.06	10.89	10.66	10.69	11.12	10.75
CarTech® MP35N* Alloy	14.21	17.43	17.52	17.76	17.91	17.99	17.01	16.76	16.78	16.49	16.66	15.82
CarTech® Ni-Cu 400	6.81	6.67	6.74	7.27	7.72	8.44	7.53	7.17	7.08	7.09	7.44	6.91
CarTech® Ni-Cu 405	6.81	6.67	6.74	7.27	7.72	8.44	7.53	7.17	7.08	7.09	7.44	6.91
CarTech® Custom Age 625 PLUS® / 725	8.40	8.51	8.54	8.98	9.35	10.04	9.43	9.25	9.16	9.15	9.58	9.15
CarTech® 925	5.22	5.22	5.26	5.56	5.85	6.27	5.79	5.70	5.67	5.66	5.97	5.67

*MP35N is a trademark of SPS Technologies, Inc.

BEARING AND GEAR STEELS

CarTech® 52100	0.32	0.31	0.30	0.27	0.27	0.27	0.25	0.25	0.25	0.25	0.26	0.26
CarTech® 52100T2	0.32	0.31	0.30	0.27	0.27	0.27	0.25	0.25	0.25	0.25	0.26	0.26

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Raw Material and Energy Surcharges 2024 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® Aero-A6	0.56	0.54	0.52	0.50	0.50	0.51	0.49	0.50	0.49	0.49	0.53	0.54
CarTech® BG-42	1.70	1.76	1.76	1.76	1.76	1.88	1.97	1.96	1.86	1.84	1.85	1.84
CarTech® CBS 223	1.19	1.47	1.45	1.43	1.43	1.47	1.48	1.55	1.54	1.57	1.61	1.63
CarTech® CBS 600	0.97	1.35	1.33	1.31	1.31	1.37	1.40	1.41	1.38	1.40	1.43	1.43
CarTech® CBS50Nil	2.20	2.87	2.86	2.90	2.93	3.11	3.09	3.10	3.05	3.09	3.17	3.12
CarTech® CSS-42L	2.98	3.42	3.43	3.37	3.35	3.35	3.39	3.32	3.21	3.12	3.10	3.01
CarTech® Dynaflex	0.76	0.77	0.76	0.73	0.73	0.77	0.77	0.77	0.74	0.74	0.75	0.75
CarTech® L-6490	1.51	1.59	1.58	1.57	1.57	1.69	1.77	1.76	1.66	1.68	1.72	1.72
CarTech® Lesco® 53	1.45	1.95	1.94	1.95	1.97	2.10	2.09	2.06	2.01	2.03	2.08	2.03
CarTech® Pyrowear® Alloy 53	1.45	1.95	1.94	1.95	1.97	2.10	2.09	2.06	2.01	2.03	2.08	2.03
CarTech® M-50	1.90	1.98	1.96	1.95	1.94	2.07	2.16	2.21	2.12	2.17	2.23	2.25
CarTech® QC61	2.90	3.40	3.41	3.38	3.37	3.26	3.09	2.96	2.94	2.82	2.82	2.65
CarTech® QC64	2.77	3.24	3.25	3.21	3.19	3.11	2.99	2.87	2.83	2.74	2.73	2.59

ALLOY STEELS

CarTech® 300M	0.56	0.55	0.55	0.54	0.55	0.58	0.54	0.53	0.52	0.52	0.54	0.53
CarTech® 35NCD16	0.65	0.62	0.62	0.63	0.65	0.69	0.61	0.59	0.59	0.58	0.61	0.57
CarTech® 4130 , 4140, 4150	0.36	0.35	0.34	0.31	0.32	0.32	0.30	0.31	0.30	0.30	0.31	0.31
CarTech® 4319, 4320, 4343	0.51	0.50	0.49	0.49	0.50	0.52	0.48	0.47	0.46	0.46	0.48	0.47
CarTech® 4330+V, 4335+V	0.58	0.57	0.56	0.55	0.56	0.59	0.56	0.55	0.54	0.54	0.56	0.54
CarTech® 4340, 4340 VV	0.51	0.50	0.50	0.49	0.50	0.52	0.48	0.47	0.47	0.46	0.48	0.47
CarTech® 6150	0.37	0.35	0.34	0.31	0.31	0.31	0.29	0.29	0.29	0.29	0.30	0.30
CarTech® 8620	0.39	0.38	0.37	0.35	0.36	0.37	0.34	0.34	0.33	0.33	0.35	0.34
CarTech® 9310, 9315	0.60	0.58	0.58	0.58	0.60	0.63	0.57	0.55	0.55	0.54	0.57	0.54
CarTech® AerMet® 100 Alloy	3.05	3.45	3.46	3.44	3.46	3.40	3.23	3.15	3.14	3.06	3.09	2.95
CarTech® AerMet® 310 Alloy	3.30	3.76	3.77	3.74	3.75	3.67	3.50	3.41	3.39	3.30	3.32	3.17
CarTech® AerMet® 340 Alloy	3.55	4.04	4.05	4.03	4.04	3.96	3.79	3.69	3.67	3.57	3.60	3.43
CarTech® AF1410	2.53	2.93	2.93	2.92	2.93	2.87	2.70	2.58	2.56	2.48	2.49	2.34
CarTech® No. 158® Alloy	0.62	0.60	0.59	0.60	0.62	0.66	0.58	0.56	0.56	0.55	0.58	0.55
CarTech® D6AC	0.61	0.62	0.61	0.59	0.59	0.63	0.62	0.61	0.59	0.60	0.62	0.61
CarTech® GNB100	0.87	0.87	0.86	0.87	0.89	0.95	0.90	0.87	0.86	0.85	0.89	0.86
CarTech® HP-9-4-20	1.65	1.77	1.77	1.80	1.83	1.89	1.75	1.68	1.66	1.63	1.67	1.58
CarTech® HP-9-4-30	1.52	1.64	1.64	1.66	1.69	1.73	1.61	1.54	1.53	1.50	1.53	1.45
CarTech® HY180	2.04	2.26	2.27	2.29	2.32	2.34	2.18	2.08	2.06	2.01	2.04	1.92
CarTech® HYTUF	0.62	0.61	0.60	0.60	0.62	0.66	0.60	0.58	0.58	0.58	0.61	0.58
CarTech® L-6305	0.47	0.46	0.45	0.43	0.43	0.44	0.43	0.44	0.42	0.42	0.44	0.44

Raw Material and Energy Surcharges 2024 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® NiMark® Alloy 250	3.77	4.10	4.11	4.19	4.24	4.40	4.22	4.12	4.05	4.01	4.09	3.92
CarTech® NiMark+A273 Alloy 250-LR	3.77	4.10	4.11	4.19	4.24	4.40	4.22	4.12	4.05	4.01	4.09	3.92
CarTech® NiMark® Alloy 300	3.94	4.30	4.31	4.38	4.44	4.58	4.40	4.29	4.22	4.17	4.25	4.07
CarTech® Nitralloy 135	0.38	0.37	0.36	0.34	0.34	0.35	0.33	0.33	0.32	0.32	0.33	0.33
CarTech® Nitralloy N	0.65	0.64	0.63	0.64	0.65	0.70	0.63	0.61	0.61	0.60	0.63	0.60
CarTech® PremoMax® Alloy	0.51	0.50	0.49	0.47	0.48	0.49	0.47	0.46	0.45	0.45	0.47	0.46
CarTech® PremoMet® Alloy	0.80	0.79	0.79	0.80	0.82	0.88	0.81	0.79	0.77	0.77	0.80	0.77
CarTech® QM54	1.83	2.06	2.06	2.02	2.00	1.99	2.02	1.96	1.90	1.90	1.90	1.85
CarTech® UT-18	0.62	0.63	0.62	0.60	0.60	0.63	0.63	0.63	0.61	0.60	0.62	0.61

SPECIALTY ALLOYS

CarTech® AEREX	15.33	17.01	17.30	17.99	18.31	18.60	17.23	16.73	16.88	16.63	16.95	16.05
CarTech® JETHETE	1.49	1.46	1.47	1.55	1.63	1.77	1.57	1.49	1.48	1.46	1.54	1.43
CarTech® QS53	2.90	3.32	3.33	3.29	3.28	3.22	3.17	3.07	3.00	2.92	2.90	2.77
CarTech® XM-27	1.68	1.90	1.88	1.87	1.87	1.85	1.77	2.17	2.27	2.37	2.40	2.43

SPECIAL PURPOSE ALLOYS

CarTech® CBX Cupron® Alloy	5.87	5.77	5.80	6.23	6.69	7.34	6.64	6.34	6.19	6.26	6.55	6.11
CarTech® Evanohm® Alloy R	7.01	6.88	6.97	7.48	7.90	8.51	7.60	7.34	7.37	7.31	7.74	7.25
CarTech® Manganin 13	3.91	3.85	3.82	4.06	4.49	5.00	4.68	4.54	4.29	4.45	4.64	4.36
CarTech® NIAL Alloy	8.03	7.86	7.98	8.63	9.07	9.86	8.69	8.22	8.24	8.17	8.58	7.95
CarTech® NIAL Alloy / Low Resistivity NIAL	8.03	7.86	7.98	8.63	9.07	9.86	8.69	8.22	8.24	8.17	8.58	7.95

VALVE STEELS

CarTech® 31V (Pyromet® 31V)	6.08	6.02	6.08	6.49	6.84	7.35	6.68	6.52	6.51	6.47	6.84	6.45
CarTech® 751 (Pyromet® 751)	6.40	6.26	6.35	6.84	7.23	7.81	6.94	6.66	6.69	6.63	7.01	6.53
CarTech® 80A (Pyromet® 80A) Valve	6.85	6.71	6.80	7.32	7.74	8.35	7.44	7.16	7.19	7.13	7.55	7.04

HIGH SPEED STEELS (not applicable to powder products)

CarTech® M1 - Tatmo	2.60	2.75	2.75	2.76	2.75	2.97	3.16	3.11	2.93	3.00	3.05	3.05
CarTech® M2 - Double 6	3.30	3.37	3.39	3.42	3.41	3.58	3.81	3.73	3.53	3.66	3.70	3.71
CarTech® M2 - Double 6-XL	3.19	3.26	3.28	3.31	3.30	3.47	3.68	3.61	3.42	3.54	3.58	3.59
CarTech® M4 - Stark	3.10	3.14	3.16	3.17	3.17	3.31	3.50	3.44	3.27	3.37	3.43	3.46
CarTech® M7 - Tatmo-VN	2.78	2.93	2.92	2.93	2.92	3.14	3.34	3.29	3.10	3.17	3.23	3.24
CarTech® M11 - Vancomo	2.31	2.49	2.48	2.48	2.46	2.63	2.78	2.78	2.63	2.66	2.69	2.98
CarTech® M35 - HS 105	3.55	3.74	3.76	3.76	3.74	3.85	4.06	3.97	3.78	3.87	3.90	3.89

Raw Material and Energy Surcharges 2024 - USD/lb.
(applicable at time of shipment)



Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® M42 - Dynamax	3.43	3.80	3.80	3.78	3.74	3.90	4.10	4.02	3.81	3.85	3.88	3.85
CarTech® M50 - CM-50	1.51	1.59	1.58	1.57	1.57	1.69	1.77	1.76	1.67	1.69	1.72	1.72
CarTech® Abscido	2.16	2.19	2.20	2.20	2.20	2.29	2.42	2.38	2.27	2.33	2.37	2.39
CarTech® Supersaw	2.36	2.64	2.63	2.59	2.56	2.60	2.69	2.64	2.53	2.52	2.53	2.50

TOOL STEELS (not applicable to powder products)

CarTech® A2 - Select-B	0.66	0.66	0.65	0.63	0.63	0.66	0.66	0.66	0.63	0.63	0.64	0.63
CarTech® A6 - Lesco A6	0.59	0.60	0.59	0.56	0.56	0.59	0.59	0.59	0.57	0.57	0.59	0.58
CarTech® A7 - Brickmold	1.33	1.30	1.29	1.27	1.27	1.30	1.32	1.33	1.28	1.27	1.31	1.35
CarTech® A8 - MGR	1.04	1.05	1.05	1.03	1.03	1.07	1.10	1.09	1.04	1.06	1.07	1.07
CarTech® A9 - Mazeman	0.99	1.00	0.99	0.98	0.99	1.04	1.03	1.02	0.99	0.98	1.01	1.00
CarTech® A10 - Graph-Air	0.79	0.80	0.79	0.78	0.79	0.85	0.83	0.81	0.78	0.79	0.82	0.80
CarTech® A18 - Whitebear	1.08	1.08	1.07	1.05	1.05	1.09	1.11	1.11	1.07	1.06	1.08	1.10
CarTech® D3 - GSN	0.58	0.56	0.55	0.53	0.54	0.54	0.52	0.53	0.52	0.48	0.48	0.46
CarTech® D4 - GSN+Mo	0.40	0.39	0.37	0.35	0.35	0.35	0.33	0.33	0.33	0.33	0.34	0.34
CarTech® D7 - BR-4	1.31	1.28	1.27	1.25	1.25	1.28	1.30	1.31	1.26	1.23	1.27	1.30
CarTech® H11 - Dycast	0.74	0.74	0.73	0.71	0.71	0.74	0.74	0.74	0.72	0.71	0.72	0.72
CarTech® H12 - L.P.D.®	1.09	1.10	1.10	1.09	1.09	1.13	1.17	1.15	1.10	1.12	1.13	1.13
CarTech® H13++ - VDC-RF	0.83	0.83	0.82	0.80	0.80	0.83	0.84	0.84	0.81	0.80	0.82	0.82
CarTech® H13-FM - Viscount	0.84	0.84	0.83	0.81	0.81	0.85	0.86	0.86	0.82	0.82	0.84	0.84
CarTech® H19 - Lesco19	2.15	2.23	2.24	2.22	2.21	2.20	2.27	2.22	2.14	2.18	2.19	2.19
CarTech® H21 - CLW	2.70	2.68	2.71	2.73	2.74	2.80	2.95	2.87	2.75	2.88	2.89	2.89
CarTech® H26 - H26 Mod	5.08	5.07	5.14	5.22	5.22	5.33	5.67	5.50	5.26	5.52	5.53	5.54
CarTech® H43 - Lesco 43	2.08	2.16	2.17	2.14	2.13	2.11	2.17	2.13	2.06	2.09	2.10	2.10
CarTech® L6 - Montana	1.53	1.52	1.53	1.53	1.54	1.59	1.63	1.58	1.52	1.59	1.61	1.60
CarTech® O1 - Badger	0.47	0.45	0.44	0.41	0.42	0.42	0.40	0.40	0.39	0.40	0.41	0.41
CarTech® O6 - Graph-Mo	0.40	0.39	0.37	0.35	0.35	0.35	0.33	0.33	0.33	0.33	0.34	0.34
CarTech® O7 - Lesco O7	0.72	0.71	0.70	0.68	0.68	0.69	0.69	0.68	0.66	0.68	0.70	0.70
CarTech® S1 - XL®-Chisel	0.90	0.88	0.88	0.86	0.86	0.87	0.89	0.87	0.84	0.87	0.89	0.89
CarTech® S4 - Damascus	0.34	0.32	0.31	0.28	0.28	0.28	0.25	0.25	0.25	0.25	0.27	0.27
CarTech® S5 - Lanark	0.63	0.64	0.63	0.60	0.60	0.63	0.63	0.63	0.61	0.62	0.64	0.64
CarTech® S7 - Bearcat	0.69	0.71	0.69	0.67	0.67	0.71	0.71	0.71	0.68	0.68	0.70	0.69
CarTech® CAT4039	0.86	0.89	0.88	0.87	0.86	0.92	0.95	0.94	0.90	0.91	0.93	0.93
CarTech® Lescowear	1.39	1.39	1.38	1.37	1.37	1.42	1.46	1.45	1.39	1.40	1.43	1.44
CarTech® Mandrel	0.60	0.58	0.57	0.57	0.58	0.61	0.55	0.54	0.54	0.53	0.56	0.54
CarTech® 420-FM - Saxman-FM	0.64	0.62	0.62	0.60	0.61	0.62	0.61	0.61	0.60	0.55	0.54	0.52

Raw Material and Energy Surcharges 2024 - USD/lb.
(applicable at time of shipment)



Alloy Description

CarTech® 420SS - Saxman6R

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.64	0.62	0.62	0.60	0.61	0.62	0.61	0.61	0.60	0.55	0.54	0.52

Conversion Services (Natural Gas Surcharges)

Process 1 - Non-Ti Air Cool	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Process 2 - Non Ti Fce Cool	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.03
Process 3 - General Ti	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Process 4 Special Processing	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.03
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