

**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.

10/1/2024

**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		
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		
CarTech® 20Cb-3® Stainless	3.93	3.90	3.95	4.18	4.36	4.72	4.34	4.18	4.12	4.06		
CarTech® 20Mo-6® Stainless	4.58	4.61	4.66	4.91	5.07	5.49	5.17	5.02	4.91	4.85		
CarTech® 302HQ-FM® Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
CarTech® 316L-SCQ® Stainless	2.09	2.10	2.11	2.19	2.26	2.43	2.30	2.25	2.20	2.16		
CarTech® 13-8 Stainless	1.57	1.58	1.58	1.63	1.67	1.79	1.72	1.69	1.64	1.61		
CarTech® 15Cr-5Ni	1.02	1.00	1.00	1.02	1.07	1.13	1.05	1.03	1.01	0.97		
CarTech® 18Cr-2Ni-12Mn	0.74	0.71	0.71	0.70	0.72	0.74	0.71	0.72	0.71	0.66		
CarTech® 18Cr-3Ni-12Mn	0.88	0.85	0.85	0.86	0.89	0.93	0.88	0.88	0.86	0.81		
CarTech® 21Cr-6Ni-9Mn	1.19	1.15	1.16	1.19	1.24	1.30	1.21	1.19	1.18	1.12		
CarTech® 22Cr-13Ni-5Mn	2.07	2.07	2.09	2.16	2.23	2.39	2.28	2.23	2.18	2.12		
CarTech® 302HQ-SFQ Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
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		
CarTech® 15-7PH Stainless	1.53	1.54	1.55	1.59	1.63	1.74	1.68	1.65	1.61	1.57		
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		
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		
CarTech® 302 Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
CarTech® 303 Stainless	1.31	1.27	1.29	1.33	1.38	1.46	1.34	1.30	1.29	1.24		
CarTech® 303 Se Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
CarTech® 304/304L Stainless	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
CarTech® 305 Stainless	1.52	1.49	1.50	1.56	1.63	1.73	1.58	1.53	1.51	1.46		
CarTech® 309 Stainless	1.75	1.70	1.72	1.80	1.87	1.99	1.82	1.77	1.75	1.68		
CarTech® 310 Stainless	2.26	2.21	2.24	2.36	2.46	2.63	2.39	2.30	2.28	2.20		
CarTech® 316/316L Stainless	1.83	1.83	1.84	1.91	1.96	2.10	2.00	1.96	1.92	1.88		
CarTech® 316L Stainless	1.83	1.83	1.84	1.91	1.96	2.10	2.00	1.96	1.92	1.88		
CarTech® 321 Stainless	1.47	1.43	1.44	1.50	1.56	1.66	1.51	1.46	1.45	1.39		
CarTech® 347 Stainless	1.47	1.43	1.45	1.50	1.56	1.66	1.51	1.47	1.46	1.40		
CarTech® 403 Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.44	0.45	0.44	0.41		
CarTech® 410 Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.44	0.45	0.44	0.41		
CarTech® 416 Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42		
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		
CarTech® 416 RS Stainless	0.50	0.48	0.48	0.46	0.46	0.47	0.45	0.46	0.45	0.42		

Carpenter reserves the right to change base values and/or add producer premiums to accurately reflect the changes in raw material markets and prices.

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Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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		
CarTech® 420 Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42		
CarTech® 420 Mod Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42		
CarTech® 420F Stainless	0.51	0.49	0.49	0.47	0.47	0.48	0.46	0.47	0.46	0.42		
CarTech® 430 Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 430F Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 430FR Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 431 Stainless	0.73	0.71	0.71	0.70	0.72	0.74	0.70	0.70	0.69	0.64		
CarTech® 434 Stainless	0.76	0.76	0.76	0.74	0.75	0.78	0.78	0.79	0.76	0.72		
CarTech® 440A Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 440C Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 440F-Se Stainless	0.56	0.54	0.54	0.52	0.53	0.53	0.52	0.53	0.51	0.47		
CarTech® 446 Stainless	0.66	0.64	0.65	0.63	0.64	0.65	0.64	0.65	0.62	0.56		
CarTech® 204-Cu Stainless	1.05	1.06	1.07	1.07	1.07	1.08	1.12	1.12	1.07	1.03		
CarTech® Consumet® 304L-SCQ	1.31	1.27	1.28	1.33	1.38	1.46	1.34	1.30	1.29	1.23		
CarTech® Custom 450® Stainless	1.52	1.53	1.53	1.57	1.61	1.72	1.67	1.64	1.59	1.56		
CarTech® Custom 455® Stainless	1.33	1.29	1.30	1.34	1.41	1.48	1.35	1.35	1.35	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		
CarTech® Custom 475™ Stainless	2.56	2.89	2.89	2.89	2.94	3.00	2.95	2.93	2.86	2.84		
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		
CarTech® EnduraMet® 2205 Stainless	1.58	1.60	1.61	1.63	1.67	1.79	1.77	1.75	1.69	1.64		
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		
CarTech® Gall-Tough® Stainless	0.98	0.95	0.95	0.97	1.00	1.05	0.98	0.96	0.95	0.90		
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		
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		
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		
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		
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		
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		
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		
CarTech® Pyrowear® 675 Stainless	1.29	1.46	1.46	1.43	1.43	1.42	1.40	1.37	1.33	1.27		
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		
CarTech® 410 Mod Stainless	0.49	0.48	0.47	0.45	0.46	0.46	0.45	0.45	0.44	0.41		
CarTech® TrimRite® Stainless	0.70	0.69	0.69	0.68	0.68	0.71	0.70	0.70	0.68	0.65		
CarTech® 409Cb Stainless	0.50	0.49	0.48	0.46	0.47	0.48	0.46	0.46	0.45	0.42		
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		

**Raw Material and Energy Surcharges 2024 - USD/lb.**  
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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		
CarTech® Ni-Cu K500	6.62	6.49	6.56	7.07	7.52	8.22	7.32	6.96	6.89	6.89		
CarTech® 330 Stainless	3.44	3.36	3.41	3.64	3.81	4.11	3.67	3.51	3.50	3.42		
CarTech® 317 Stainless	2.28	2.30	2.31	2.40	2.46	2.65	2.54	2.49	2.42	2.38		
CarTech® A-21®	0.81	0.79	0.79	0.79	0.81	0.85	0.81	0.80	0.78	0.75		

**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		
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		
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		
CarTech® L-605 Alloy	10.95	12.46	12.54	12.40	12.35	11.84	11.87	11.60	11.42	11.33		
CarTech® Waspaloy	8.16	8.58	8.64	8.98	9.28	9.66	8.99	8.76	8.73	8.61		
CarTech® 350 (Pyromet® 350)	1.43	1.46	1.47	1.48	1.51	1.61	1.60	1.59	1.53	1.50		
CarTech® 355 (Pyromet® 355)	1.44	1.46	1.47	1.49	1.51	1.62	1.60	1.59	1.53	1.51		
CarTech® 41 (Pyromet® 41)	9.02	9.52	9.58	9.93	10.22	10.74	10.21	10.02	9.90	9.83		
CarTech® 600 (Pyromet® 600)	6.46	6.33	6.42	6.92	7.32	7.92	7.02	6.73	6.75	6.69		
CarTech® 625 (Pyromet® 625)	8.69	8.84	8.86	9.31	9.67	10.39	9.79	9.62	9.52	9.51		
CarTech® 680 (Pyromet® 680)	7.11	7.32	7.37	7.70	7.99	8.56	8.14	8.03	7.91	7.91		
CarTech® 706 (Pyromet® 706)	4.66	4.58	4.58	4.87	5.12	5.47	4.95	4.83	4.86	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		
CarTech® 720 (Pyromet® 720)	8.17	8.58	8.64	8.99	9.27	9.61	8.94	8.68	8.65	8.54		
CarTech® 80A (Pyromet® 80A)	6.85	6.71	6.80	7.32	7.74	8.35	7.44	7.16	7.19	7.13		
CarTech® 825 (Pyromet® 825)	5.25	5.20	5.27	5.61	5.86	6.34	5.79	5.56	5.50	5.42		
CarTech® 882 (Pyromet® 882)	0.63	0.64	0.62	0.61	0.61	0.64	0.64	0.65	0.62	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		
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		
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		
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		
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		
CarTech® C-263	8.77	9.43	9.48	9.75	9.99	10.27	9.70	9.49	9.42	9.28		
CarTech® Thermo-Span® Alloy	6.92	7.75	7.69	7.69	7.72	7.55	7.16	6.98	7.01	6.81		

**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		
CarTech® Electrical Iron	0.31	0.30	0.28	0.26	0.26	0.26	0.23	0.24	0.24	0.24		

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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		
CarTech® Glass Sealing 52	4.34	4.24	4.30	4.63	4.86	5.28	4.65	4.40	4.41	4.37		
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		
CarTech® HyMu "80"® Alloy	7.50	7.44	7.53	8.09	8.45	9.20	8.29	7.91	7.86	7.81		
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		
CarTech® HyMu "800"	7.72	7.67	7.76	8.32	8.68	9.45	8.56	8.17	8.11	8.07		
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		
CarTech® Invar 36 Alloy	3.23	3.16	3.19	3.43	3.59	3.89	3.43	3.25	3.26	3.23		
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		
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		
CarTech® Nickel 200 Alloy	8.33	8.15	8.27	8.96	9.42	10.24	9.01	8.52	8.55	8.46		
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		
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		
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		
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		
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		
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		
CarTech® Temperature Compensator "32"	2.88	2.81	2.84	3.05	3.20	3.47	3.05	2.89	2.90	2.87		
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		
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		
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		
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		
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		
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		
CarTech® Hiperco® 27 Alloy	3.43	4.24	4.23	4.06	3.97	3.60	3.51	3.42	3.42	3.26		
CarTech® Hiperco® 50 Alloy	6.13	7.58	7.58	7.29	7.12	6.45	6.31	6.15	6.14	5.85		
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		
CarTech® Hiperco® 50A Alloy	6.13	7.58	7.58	7.29	7.12	6.45	6.31	6.15	6.14	5.85		
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		
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		
CarTech® Kovar® Alloy	3.22	3.68	3.71	3.79	3.87	3.88	3.46	3.24	3.24	3.12		
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		
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		
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		
CarTech® Rotelloy 3 Alloy	6.16	7.63	7.62	7.33	7.16	6.49	6.35	6.18	6.17	5.88		
CarTech® Rotelloy 8 Alloy	6.09	7.56	7.55	7.26	7.09	6.42	6.28	6.11	6.10	5.81		

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CarTech® Mumetal	7.37	7.31	7.40	7.94	8.31	9.06	8.17	7.80	7.73	7.70		
CarTech® Hypocore	0.48	0.62	0.61	0.55	0.54	0.47	0.43	0.41	0.41	0.38		
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		
CarTech® Low Expansion 50	4.38	4.29	4.34	4.67	4.91	5.32	4.69	4.44	4.46	4.41		
CarTech® Low Expansion 40	3.55	3.47	3.51	3.78	3.96	4.29	3.78	3.59	3.60	3.56		
CarTech® Low Expansion 45	3.90	3.81	3.86	4.16	4.36	4.74	4.17	3.95	3.96	3.92		
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		
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		
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		
CarTech® High Expansion 72	2.14	2.13	2.15	2.26	2.27	2.67	2.54	2.49	2.45	2.37		

**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		
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		
CarTech® BioDur® 316LS Stainless	2.25	2.26	2.27	2.36	2.43	2.62	2.49	2.43	2.37	2.33		
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		
CarTech® BioDur® 734 Alloy	1.89	1.90	1.91	1.98	2.03	2.17	2.09	2.05	2.00	1.95		
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		
CarTech® BioDur® TrimRite® Stainless	0.70	0.69	0.69	0.68	0.68	0.71	0.70	0.70	0.68	0.65		
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		
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		
CarTech® Conichrome Alloy	8.55	9.94	9.95	9.84	9.84	9.59	9.42	9.32	9.22	9.01		

**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		
CarTech® Alloy C-276	9.53	9.85	9.90	10.33	10.63	11.45	11.06	10.89	10.66	10.69		
CarTech® MP35N* Alloy	14.21	17.43	17.52	17.76	17.91	17.99	17.01	16.76	16.78	16.49		
CarTech® Ni-Cu 400	6.81	6.67	6.74	7.27	7.72	8.44	7.53	7.17	7.08	7.09		
CarTech® Ni-Cu 405	6.81	6.67	6.74	7.27	7.72	8.44	7.53	7.17	7.08	7.09		
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		
CarTech® 925	5.22	5.22	5.26	5.56	5.85	6.27	5.79	5.70	5.67	5.66		

\*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		
CarTech® 52100T2	0.32	0.31	0.30	0.27	0.27	0.27	0.25	0.25	0.25	0.25		

**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		
CarTech® BG-42	1.70	1.76	1.76	1.76	1.76	1.88	1.97	1.96	1.86	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		
CarTech® CBS 600	0.97	1.35	1.33	1.31	1.31	1.37	1.40	1.41	1.38	1.40		
CarTech® CBS50Nil	2.20	2.87	2.86	2.90	2.93	3.11	3.09	3.10	3.05	3.09		
CarTech® CSS-42L	2.98	3.42	3.43	3.37	3.35	3.35	3.39	3.32	3.21	3.12		
CarTech® Dynaflex	0.76	0.77	0.76	0.73	0.73	0.77	0.77	0.77	0.74	0.74		
CarTech® L-6490	1.51	1.59	1.58	1.57	1.57	1.69	1.77	1.76	1.66	1.68		
CarTech® Lesco® 53	1.45	1.95	1.94	1.95	1.97	2.10	2.09	2.06	2.01	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		
CarTech® M-50	1.90	1.98	1.96	1.95	1.94	2.07	2.16	2.21	2.12	2.17		
CarTech® QC61	2.90	3.40	3.41	3.38	3.37	3.26	3.09	2.96	2.94	2.82		
CarTech® QC64	2.77	3.24	3.25	3.21	3.19	3.11	2.99	2.87	2.83	2.74		

**ALLOY STEELS**

CarTech® 300M	0.56	0.55	0.55	0.54	0.55	0.58	0.54	0.53	0.52	0.52		
CarTech® 35NCD16	0.65	0.62	0.62	0.63	0.65	0.69	0.61	0.59	0.59	0.58		
CarTech® 4130 , 4140, 4150	0.36	0.35	0.34	0.31	0.32	0.32	0.30	0.31	0.30	0.30		
CarTech® 4319, 4320, 4343	0.51	0.50	0.49	0.49	0.50	0.52	0.48	0.47	0.46	0.46		
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		
CarTech® 4340, 4340 VV	0.51	0.50	0.50	0.49	0.50	0.52	0.48	0.47	0.47	0.46		
CarTech® 6150	0.37	0.35	0.34	0.31	0.31	0.31	0.29	0.29	0.29	0.29		
CarTech® 8620	0.39	0.38	0.37	0.35	0.36	0.37	0.34	0.34	0.33	0.33		
CarTech® 9310, 9315	0.60	0.58	0.58	0.58	0.60	0.63	0.57	0.55	0.55	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		
CarTech® AerMet® 310 Alloy	3.30	3.76	3.77	3.74	3.75	3.67	3.50	3.41	3.39	3.30		
CarTech® AerMet® 340 Alloy	3.55	4.04	4.05	4.03	4.04	3.96	3.79	3.69	3.67	3.57		
CarTech® AF1410	2.53	2.93	2.93	2.92	2.93	2.87	2.70	2.58	2.56	2.48		
CarTech® No. 158® Alloy	0.62	0.60	0.59	0.60	0.62	0.66	0.58	0.56	0.56	0.55		
CarTech® D6AC	0.61	0.62	0.61	0.59	0.59	0.63	0.62	0.61	0.59	0.60		
CarTech® GNB100	0.87	0.87	0.86	0.87	0.89	0.95	0.90	0.87	0.86	0.85		
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		
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		
CarTech® HY180	2.04	2.26	2.27	2.29	2.32	2.34	2.18	2.08	2.06	2.01		
CarTech® HYTUF	0.62	0.61	0.60	0.60	0.62	0.66	0.60	0.58	0.58	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		

**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		
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		
CarTech® NiMark® Alloy 300	3.94	4.30	4.31	4.38	4.44	4.58	4.40	4.29	4.22	4.17		
CarTech® Nitralloy 135	0.38	0.37	0.36	0.34	0.34	0.35	0.33	0.33	0.32	0.32		
CarTech® Nitralloy N	0.65	0.64	0.63	0.64	0.65	0.70	0.63	0.61	0.61	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		
CarTech® PremoMet® Alloy	0.80	0.79	0.79	0.80	0.82	0.88	0.81	0.79	0.77	0.77		
CarTech® QM54	1.83	2.06	2.06	2.02	2.00	1.99	2.02	1.96	1.90	1.90		
CarTech® UT-18	0.62	0.63	0.62	0.60	0.60	0.63	0.63	0.63	0.61	0.60		

**SPECIALTY ALLOYS**

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

**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		
CarTech® Evanohm® Alloy R	7.01	6.88	6.97	7.48	7.90	8.51	7.60	7.34	7.37	7.31		
CarTech® Manganin 13	3.91	3.85	3.82	4.06	4.49	5.00	4.68	4.54	4.29	4.45		
CarTech® NIAL Alloy	8.03	7.86	7.98	8.63	9.07	9.86	8.69	8.22	8.24	8.17		
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		

**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		
CarTech® 751 (Pyromet® 751)	6.40	6.26	6.35	6.84	7.23	7.81	6.94	6.66	6.69	6.63		
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		

**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		
CarTech® M2 - Double 6	3.30	3.37	3.39	3.42	3.41	3.58	3.81	3.73	3.53	3.66		
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		
CarTech® M4 - Stark	3.10	3.14	3.16	3.17	3.17	3.31	3.50	3.44	3.27	3.37		
CarTech® M7 - Tatmo-VN	2.78	2.93	2.92	2.93	2.92	3.14	3.34	3.29	3.10	3.17		
CarTech® M11 - Vancomo	2.31	2.49	2.48	2.48	2.46	2.63	2.78	2.78	2.63	2.66		
CarTech® M35 - HS 105	3.55	3.74	3.76	3.76	3.74	3.85	4.06	3.97	3.78	3.87		

**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		
CarTech® M50 - CM-50	1.51	1.59	1.58	1.57	1.57	1.69	1.77	1.76	1.67	1.69		
CarTech® Abscido	2.16	2.19	2.20	2.20	2.20	2.29	2.42	2.38	2.27	2.33		
CarTech® Supersaw	2.36	2.64	2.63	2.59	2.56	2.60	2.69	2.64	2.53	2.52		

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



**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		

**Conversion Services (Natural Gas Surcharges)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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		
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		
Process 3 - General Ti	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
Process 4 Special Processing	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01		
Process 5 - Machining Only	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		