

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.

3/1/2024

STAINLESS STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless/SCF260	1.28	1.28	1.29									
CarTech® 15-15LC® Modified Stainless	1.09	1.09	1.09									
CarTech® 20Cb-3® Stainless	3.93	3.90	3.95									
CarTech® 20Mo-6® Stainless	4.58	4.61	4.66									
CarTech® 302HQ-FM® Stainless	1.31	1.27	1.28									
CarTech® 316L-SCQ® Stainless	2.09	2.10	2.11									
CarTech® 13-8 Stainless	1.57	1.58	1.58									
CarTech® 15Cr-5Ni	1.02	1.00	1.00									
CarTech® 18Cr-2Ni-12Mn	0.74	0.71	0.71									
CarTech® 18Cr-3Ni-12Mn	0.88	0.85	0.85									
CarTech® 21Cr-6Ni-9Mn	1.19	1.15	1.16									
CarTech® 22Cr-13Ni-5Mn	2.07	2.07	2.09									
CarTech® 302HQ-SFQ Stainless	1.31	1.27	1.28									
CarTech® Custom 631 (17Cr-7Ni)	1.12	1.09	1.10									
CarTech® 15-7PH Stainless	1.53	1.54	1.55									
CarTech® Custom 630 (17Cr-4Ni) Stainless	1.01	0.98	0.99									
CarTech® No. 5-F Stainless (Type 416 Mod)	0.50	0.48	0.48									
CarTech® 302 Stainless	1.31	1.27	1.28									
CarTech® 303 Stainless	1.31	1.27	1.29									
CarTech® 303 Se Stainless	1.31	1.27	1.28									
CarTech® 304/304L Stainless	1.31	1.27	1.28									
CarTech® 305 Stainless	1.52	1.49	1.50									
CarTech® 309 Stainless	1.75	1.70	1.72									
CarTech® 310 Stainless	2.26	2.21	2.24									
CarTech® 316/316L Stainless	1.83	1.83	1.84									
CarTech® 316L Stainless	1.83	1.83	1.84									
CarTech® 321 Stainless	1.47	1.43	1.44									
CarTech® 347 Stainless	1.47	1.43	1.45									
CarTech® 403 Stainless	0.49	0.48	0.47									
CarTech® 410 Stainless	0.49	0.48	0.47									
CarTech® 416 Stainless	0.50	0.48	0.48									
CarTech® 416 (No. 5) Stainless	0.50	0.48	0.48									
CarTech® 416 RS Stainless	0.50	0.48	0.48									

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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CarTech® 416BQ Stainless (No. 5BQ)	0.50	0.48	0.48									
CarTech® 420 Stainless	0.51	0.49	0.49									
CarTech® 420 Mod Stainless	0.51	0.49	0.49									
CarTech® 420F Stainless	0.51	0.49	0.49									
CarTech® 430 Stainless	0.56	0.54	0.54									
CarTech® 430F Stainless	0.56	0.54	0.54									
CarTech® 430FR Stainless	0.56	0.54	0.54									
CarTech® 431 Stainless	0.73	0.71	0.71									
CarTech® 434 Stainless	0.76	0.76	0.76									
CarTech® 440A Stainless	0.56	0.54	0.54									
CarTech® 440C Stainless	0.56	0.54	0.54									
CarTech® 440F-Se Stainless	0.56	0.54	0.54									
CarTech® 446 Stainless	0.66	0.64	0.65									
CarTech® 204-Cu Stainless	1.05	1.06	1.07									
CarTech® Consumet® 304L-SCQ	1.31	1.27	1.28									
CarTech® Custom 450® Stainless	1.52	1.53	1.53									
CarTech® Custom 455® Stainless	1.33	1.29	1.30									
CarTech® Custom 465® Stainless	1.85	1.83	1.84									
CarTech® Custom 475™ Stainless	2.56	2.89	2.89									
CarTech® Custom Flo 302HQ Stainless	1.31	1.27	1.28									
CarTech® EnduraMet® 2205 Stainless	1.58	1.60	1.61									
CarTech® Gall-Tough® PLUS Stainless	1.26	1.23	1.24									
CarTech® Gall-Tough® Stainless	0.98	0.95	0.95									
CarTech® 15Cr-5Ni Project 70+® Stainless	1.02	1.00	1.00									
CarTech® Custom 630 Project 70+® Stainless	1.01	0.98	0.99									
CarTech® 303 Project 70+® Escomatic Quality	1.31	1.27	1.29									
CarTech® 303 Project 70+® Stainless	1.31	1.27	1.29									
CarTech® 304/304L Project 70+® Stainless	1.34	1.31	1.32									
CarTech® 316/316L Project 70+® Stainless	1.83	1.83	1.84									
CarTech® 416 Project 70+® Stainless	0.50	0.48	0.48									
CarTech® Pyrowear® 675 Stainless	1.29	1.46	1.46									
CarTech® SCF 19 Max® Alloy	2.95	2.99	3.01									
CarTech® 410 Mod Stainless	0.49	0.48	0.47									
CarTech® TrimRite® Stainless	0.70	0.69	0.69									
CarTech® 409Cb Stainless	0.50	0.49	0.48									
CarTech® 409Cb High Nickel Stainless	0.50	0.49	0.48									

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Alloy Description	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 2507 Super Duplex Stainless	1.85	1.88	1.89									
CarTech® Ni-Cu K500	6.62	6.49	6.56									
CarTech® 330 Stainless	3.44	3.36	3.41									
CarTech® 317 Stainless	2.28	2.30	2.31									
CarTech® A-21®	0.81	0.79	0.79									

AEROSPACE AND HIGH TEMPERATURE ALLOYS

CarTech® A-286 Alloy	3.27	3.25	3.27									
CarTech® Alloy 2 (159 ALY / MP159)	12.42	15.33	15.39									
CarTech® Greek Ascology (418 SS)	1.34	1.32	1.33									
CarTech® L-605 Alloy	10.95	12.46	12.54									
CarTech® Waspaloy	8.16	8.58	8.64									
CarTech® 350 (Pyromet® 350)	1.43	1.46	1.47									
CarTech® 355 (Pyromet® 355)	1.44	1.46	1.47									
CarTech® 41 (Pyromet® 41)	9.02	9.52	9.58									
CarTech® 600 (Pyromet® 600)	6.46	6.33	6.42									
CarTech® 625 (Pyromet® 625)	8.69	8.84	8.86									
CarTech® 680 (Pyromet® 680)	7.11	7.32	7.37									
CarTech® 706 (Pyromet® 706)	4.66	4.58	4.58									
CarTech® 718 (Pyromet® 718)	6.71	6.70	6.69									
CarTech® 720 (Pyromet® 720)	8.17	8.58	8.64									
CarTech® 80A (Pyromet® 80A)	6.85	6.71	6.80									
CarTech® 825 (Pyromet® 825)	5.25	5.20	5.27									
CarTech® 882 (Pyromet® 882)	0.63	0.64	0.62									
CarTech® 901 (Pyromet® 901)	5.58	5.65	5.70									
CarTech® CTX-1 (Pyromet® CTX-1)	5.64	6.01	6.01									
CarTech® CTX-3 (Pyromet® CTX-3)	5.79	6.13	6.11									
CarTech® CTX-909 (Pyromet® CTX-909)	5.77	6.11	6.09									
CarTech® X-750 (Pyromet® X-750)	6.64	6.50	6.57									
CarTech® C-263	8.77	9.43	9.48									
CarTech® Thermo-Span® Alloy	6.92	7.75	7.69									

MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS

CarTech® 22-3 High Thermal Expansion	2.14	2.09	2.11									
CarTech® Electrical Iron	0.31	0.30	0.28									

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CarTech® Glass Sealing 42	3.64	3.56	3.60									
CarTech® Glass Sealing 52	4.34	4.24	4.30									
CarTech® High Permeability "49"® Alloy	4.13	4.04	4.09									
CarTech® HyMu "80"® Alloy	7.50	7.44	7.53									
CarTech® HyMu "80"® Mark II Alloy	7.50	7.44	7.53									
CarTech® HyMu "800"	7.72	7.67	7.76									
CarTech® Super Invar 32-5	3.09	3.19	3.22									
CarTech® Invar 36 Alloy	3.23	3.16	3.19									
CarTech® Low Expansion "42"® Alloy / Thermostat	3.64	3.56	3.60									
CarTech® Low Expansion 43-PH	3.91	3.81	3.86									
CarTech® Nickel 200 Alloy	8.33	8.15	8.27									
CarTech® Nickel 201 Alloy, Nickel 205 Alloy	8.27	8.10	8.22									
CarTech® Silicon Core Iron "A-FM"	0.24	0.23	0.21									
CarTech® Silicon Core Iron "B"	0.31	0.30	0.28									
CarTech® Silicon Core Iron "B-FM"	0.31	0.30	0.28									
CarTech® Temperature Compensator "30"® Type 2	2.67	2.61	2.64									
CarTech® Temperature Compensator "30"® Type 4	2.67	2.61	2.64									
CarTech® Temperature Compensator "32"	2.88	2.81	2.84									
CarTech® Chrome Core® 8-FM Alloy	0.49	0.48	0.47									
CarTech® Chrome Core® 12-FM Alloy	0.55	0.54	0.54									
CarTech® Chrome Core® 13-FM	0.57	0.56	0.55									
CarTech® Chrome Core® 13-XP	0.73	0.72	0.72									
CarTech® Chrome Core® 18-FM Alloy	0.91	0.92	0.92									
CarTech® Free-Cut Invar "36"® Alloy	3.23	3.16	3.19									
CarTech® Hipercor® 27 Alloy	3.43	4.24	4.23									
CarTech® Hipercor® 50 Alloy	6.13	7.58	7.58									
CarTech® Hipercor® 50 HS Alloy	6.01	7.46	7.45									
CarTech® Hipercor® 50A Alloy	6.13	7.58	7.58									
CarTech® Hy Mu 77 Alloy	6.67	6.53	6.62									
CarTech® Hy-Ra "49"® Alloy	4.13	4.04	4.09									
CarTech® Kovar® Alloy	3.22	3.68	3.71									
CarTech® MagneDur® 20-4 Alloy	2.67	2.70	2.71									
CarTech® No. 1 JR® Type 1 Alloy	0.56	0.54	0.54									
CarTech® No. 1 JR® Type 2 Alloy	0.52	0.51	0.50									
CarTech® Rotelloy 3 Alloy	6.16	7.63	7.62									
CarTech® Rotelloy 8 Alloy	6.09	7.56	7.55									

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CarTech® Mumetal	7.37	7.31	7.40									
CarTech® Hypocore	0.48	0.62	0.61									
CarTech® High Expansion 25-8	2.45	2.39	2.42									
CarTech® Low Expansion 50	4.38	4.29	4.34									
CarTech® Low Expansion 40	3.55	3.47	3.51									
CarTech® Low Expansion 45	3.90	3.81	3.86									
CarTech® High Expansion 19-7	1.94	1.90	1.91									
CarTech® High Expansion 19-2	1.92	1.87	1.89									
CarTech® Low Expansion 38-7	3.47	3.40	3.44									
CarTech® High Expansion 72	2.14	2.13	2.15									

MEDICAL ALLOYS

CarTech® BioDur® 108 Alloy	0.85	0.83	0.83									
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	2.07	2.07	2.09									
CarTech® BioDur® 316LS Stainless	2.25	2.26	2.27									
CarTech® BioDur® 470/Custom 470	1.55	1.53	1.54									
CarTech® BioDur® 734 Alloy	1.89	1.90	1.91									
CarTech® BioDur® Carpenter CCM® Alloy	10.16	12.30	12.30									
CarTech® BioDur® TrimRite® Stainless	0.70	0.69	0.69									
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	10.15	12.29	12.28									
CarTech® Micro-Melt® BioDur® CCM Plus®	9.89	11.93	11.92									
CarTech® Conichrome Alloy	8.55	9.94	9.95									

CORROSION-RESISTANT ALLOYS

CarTech® Alloy 22	9.30	9.57	9.64									
CarTech® Alloy C-276	9.53	9.85	9.90									
CarTech® MP35N* Alloy	14.21	17.43	17.52									
CarTech® Ni-Cu 400	6.81	6.67	6.74									
CarTech® Ni-Cu 405	6.81	6.67	6.74									
CarTech® Custom Age 625 PLUS® / 725	8.40	8.51	8.54									
CarTech® 925	5.22	5.22	5.26									

*MP35N is a trademark of SPS Technologies, Inc.

BEARING AND GEAR STEELS

CarTech® 52100	0.32	0.31	0.30									
CarTech® 52100T2	0.32	0.31	0.30									

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CarTech® Aero-A6	0.56	0.54	0.52									
CarTech® BG-42	1.70	1.76	1.76									
CarTech® CBS 223	1.19	1.47	1.45									
CarTech® CBS 600	0.97	1.35	1.33									
CarTech® CBS50Nil	2.20	2.87	2.86									
CarTech® CSS-42L	2.98	3.42	3.43									
CarTech® Dynaflex	0.76	0.77	0.76									
CarTech® L-6490	1.51	1.59	1.58									
CarTech® Lesco® 53	1.45	1.95	1.94									
CarTech® Pyrowear® Alloy 53	1.45	1.95	1.94									
CarTech® M-50	1.90	1.98	1.96									
CarTech® QC61	2.90	3.40	3.41									
CarTech® QC64	2.77	3.24	3.25									

ALLOY STEELS

CarTech® 300M	0.56	0.55	0.55									
CarTech® 35NCD16	0.65	0.62	0.62									
CarTech® 4130 , 4140, 4150	0.36	0.35	0.34									
CarTech® 4319, 4320, 4343	0.51	0.50	0.49									
CarTech® 4330+V, 4335+V	0.58	0.57	0.56									
CarTech® 4340, 4340 VV	0.51	0.50	0.50									
CarTech® 6150	0.37	0.35	0.34									
CarTech® 8620	0.39	0.38	0.37									
CarTech® 9310, 9315	0.60	0.58	0.58									
CarTech® AerMet® 100 Alloy	3.05	3.45	3.46									
CarTech® AerMet® 310 Alloy	3.30	3.76	3.77									
CarTech® AerMet® 340 Alloy	3.55	4.04	4.05									
CarTech® AF1410	2.53	2.93	2.93									
CarTech® No. 158® Alloy	0.62	0.60	0.59									
CarTech® D6AC	0.61	0.62	0.61									
CarTech® GNB100	0.87	0.87	0.86									
CarTech® HP-9-4-20	1.65	1.77	1.77									
CarTech® HP-9-4-30	1.52	1.64	1.64									
CarTech® HY180	2.04	2.26	2.27									
CarTech® HYTUF	0.62	0.61	0.60									
CarTech® L-6305	0.47	0.46	0.45									

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CarTech® NiMark® Alloy 250	3.77	4.10	4.11									
CarTech® NiMark+A273 Alloy 250-LR	3.77	4.10	4.11									
CarTech® NiMark® Alloy 300	3.94	4.30	4.31									
CarTech® Nitralloy 135	0.38	0.37	0.36									
CarTech® Nitralloy N	0.65	0.64	0.63									
CarTech® PremoMax® Alloy	0.51	0.50	0.49									
CarTech® PremoMet® Alloy	0.80	0.79	0.79									
CarTech® QM54	1.83	2.06	2.06									
CarTech® UT-18	0.62	0.63	0.62									

SPECIALTY ALLOYS

CarTech® AEREX	15.33	17.01	17.30									
CarTech® JETHETE	1.49	1.46	1.47									
CarTech® QS53	2.90	3.32	3.33									
CarTech® XM-27	1.68	1.90	1.88									

SPECIAL PURPOSE ALLOYS

CarTech® CBX Cupron® Alloy	5.87	5.77	5.80									
CarTech® Evanohm® Alloy R	7.01	6.88	6.97									
CarTech® Manganin 13	3.91	3.85	3.82									
CarTech® NIAL Alloy	8.03	7.86	7.98									
CarTech® NIAL Alloy / Low Resistivity NIAL	8.03	7.86	7.98									

VALVE STEELS

CarTech® 31V (Pyromet® 31V)	6.08	6.02	6.08									
CarTech® 751 (Pyromet® 751)	6.40	6.26	6.35									
CarTech® 80A (Pyromet® 80A) Valve	6.85	6.71	6.80									

HIGH SPEED STEELS (not applicable to powder products)

CarTech® M1 - Tatmo	2.60	2.75	2.75									
CarTech® M2 - Double 6	3.30	3.37	3.39									
CarTech® M2 - Double 6-XL	3.19	3.26	3.28									
CarTech® M4 - Stark	3.10	3.14	3.16									
CarTech® M7 - Tatmo-VN	2.78	2.93	2.92									
CarTech® M11 - Vancomo	2.31	2.49	2.48									
CarTech® M35 - HS 105	3.55	3.74	3.76									

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CarTech® M42 - Dynamax	3.43	3.80	3.80									
CarTech® M50 - CM-50	1.51	1.59	1.58									
CarTech® Abscido	2.16	2.19	2.20									
CarTech® Supersaw	2.36	2.64	2.63									

TOOL STEELS (not applicable to powder products)

CarTech® A2 - Select-B	0.66	0.66	0.65									
CarTech® A6 - Lesco A6	0.59	0.60	0.59									
CarTech® A7 - Brickmold	1.33	1.30	1.29									
CarTech® A8 - MGR	1.04	1.05	1.05									
CarTech® A9 - Mazeman	0.99	1.00	0.99									
CarTech® A10 - Graph-Air	0.79	0.80	0.79									
CarTech® A18 - Whitebear	1.08	1.08	1.07									
CarTech® D3 - GSN	0.58	0.56	0.55									
CarTech® D4 - GSN+Mo	0.40	0.39	0.37									
CarTech® D7 - BR-4	1.31	1.28	1.27									
CarTech® H11 - Dycast	0.74	0.74	0.73									
CarTech® H12 - L.P.D.®	1.09	1.10	1.10									
CarTech® H13++ - VDC-RF	0.83	0.83	0.82									
CarTech® H13-FM - Viscount	0.84	0.84	0.83									
CarTech® H19 - Lesco19	2.15	2.23	2.24									
CarTech® H21 - CLW	2.70	2.68	2.71									
CarTech® H26 - H26 Mod	5.08	5.07	5.14									
CarTech® H43 - Lesco 43	2.08	2.16	2.17									
CarTech® L6 - Montana	1.53	1.52	1.53									
CarTech® O1 - Badger	0.47	0.45	0.44									
CarTech® O6 - Graph-Mo	0.40	0.39	0.37									
CarTech® O7 - Lesco O7	0.72	0.71	0.70									
CarTech® S1 - XL®-Chisel	0.90	0.88	0.88									
CarTech® S4 - Damascus	0.34	0.32	0.31									
CarTech® S5 - Lanark	0.63	0.64	0.63									
CarTech® S7 - Bearcat	0.69	0.71	0.69									
CarTech® CAT4039	0.86	0.89	0.88									
CarTech® Lescowear	1.39	1.39	1.38									
CarTech® Mandrel	0.60	0.58	0.57									
CarTech® 420-FM - Saxman-FM	0.64	0.62	0.62									

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Alloy Description

CarTech® 420SS - Saxman6R

Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
0.64	0.62	0.62									

Conversion Services (Natural Gas Surcharges)

Process 1 - Non-Ti Air Cool	0.00	0.00	0.01									
Process 2 - Non Ti Fce Cool	0.01	0.01	0.02									
Process 3 - General Ti	0.00	0.00	0.01									
Process 4 Special Processing	0.01	0.01	0.02									
Process 5 - Machining Only	0.00	0.00	0.00									
Process 6 - Remelt Only	0.00	0.00	0.00									