

Raw Material and Energy Surcharges 2023 - 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.

3/1/2023

STAINLESS STEELS

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless/SCF260	1.87	1.97	2.05									
CarTech® 15-15LC® Modified Stainless	1.52	1.62	1.71									
CarTech® 20Cb-3® Stainless	6.66	6.72	6.54									
CarTech® 20Mo-6® Stainless	7.69	7.95	7.96									
CarTech® 302HQ-FM® Stainless	2.07	2.05	1.96									
CarTech® 316L-SCQ® Stainless	3.33	3.46	3.48									
CarTech® 13-8 Stainless	2.36	2.50	2.56									
CarTech® 15Cr-5Ni	1.43	1.45	1.40									
CarTech® 18Cr-2Ni-12Mn	1.00	1.00	0.97									
CarTech® 18Cr-3Ni-12Mn	1.30	1.28	1.24									
CarTech® 21Cr-6Ni-9Mn	1.87	1.84	1.76									
CarTech® 22Cr-13Ni-5Mn	3.32	3.42	3.42									
CarTech® 302HQ-SFQ Stainless	2.07	2.05	1.96									
CarTech® Custom 631 (17Cr-7Ni)	1.73	1.72	1.65									
CarTech® 15-7PH Stainless	2.31	2.45	2.51									
CarTech® Custom 630 (17Cr-4Ni) Stainless	1.41	1.43	1.38									
CarTech® No. 5-F Stainless (Type 416 Mod)	0.57	0.60	0.59									
CarTech® 302 Stainless	2.07	2.05	1.96									
CarTech® 303 Stainless	2.07	2.05	1.96									
CarTech® 303 Se Stainless	2.07	2.05	1.96									
CarTech® 304/304L Stainless	2.07	2.05	1.96									
CarTech® 305 Stainless	2.48	2.45	2.34									
CarTech® 309 Stainless	2.89	2.86	2.72									
CarTech® 310 Stainless	3.86	3.80	3.61									
CarTech® 316/316L Stainless	2.85	2.98	3.01									
CarTech® 316L Stainless	2.85	2.98	3.01									
CarTech® 321 Stainless	2.37	2.35	2.25									
CarTech® 347 Stainless	2.37	2.35	2.24									
CarTech® 403 Stainless	0.56	0.58	0.58									
CarTech® 410 Stainless	0.56	0.58	0.58									
CarTech® 416 Stainless	0.57	0.60	0.59									

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CarTech® 416 (No. 5) Stainless	0.57	0.60	0.59									
CarTech® 416 RS Stainless	0.57	0.60	0.59									
CarTech® 416BQ Stainless (No. 5BQ)	0.57	0.60	0.59									
CarTech® 420 Stainless	0.58	0.61	0.60									
CarTech® 420 Mod Stainless	0.58	0.61	0.60									
CarTech® 420F Stainless	0.59	0.61	0.61									
CarTech® 430 Stainless	0.68	0.70	0.69									
CarTech® 430F Stainless	0.68	0.70	0.69									
CarTech® 430FR Stainless	0.68	0.70	0.69									
CarTech® 431 Stainless	0.99	1.01	0.98									
CarTech® 434 Stainless	0.96	1.05	1.11									
CarTech® 440A Stainless	0.67	0.70	0.69									
CarTech® 440C Stainless	0.67	0.70	0.69									
CarTech® 440F-Se Stainless	0.68	0.70	0.69									
CarTech® 446 Stainless	0.86	0.88	0.87									
CarTech® 204-Cu Stainless	1.70	1.69	1.71									
CarTech® Consumet® 304L-SCQ	2.07	2.05	1.96									
CarTech® Custom 450® Stainless	2.23	2.39	2.46									
CarTech® Custom 455® Stainless	2.18	2.02	1.94									
CarTech® Custom 465® Stainless	3.18	2.91	2.88									
CarTech® Custom 475™ Stainless	4.77	4.38	4.31									
CarTech® Custom Flo 302HQ Stainless	2.07	2.05	1.96									
CarTech® EnduraMet® 2205 Stainless	2.37	2.56	2.67									
CarTech® Gall-Tough® PLUS Stainless	2.01	1.98	1.90									
CarTech® Gall-Tough® Stainless	1.47	1.46	1.41									
CarTech® 15Cr-5Ni Project 70+® Stainless	1.43	1.45	1.40									
CarTech® Custom 630 Project 70+® Stainless	1.41	1.43	1.38									
CarTech® 303 Project 70+® Escomatic Quality	2.07	2.05	1.96									
CarTech® 303 Project 70+® Stainless	2.07	2.05	1.96									
CarTech® 304/304L Project 70+® Stainless	2.13	2.12	2.02									
CarTech® 316/316L Project 70+® Stainless	2.85	2.98	3.01									
CarTech® 416 Project 70+® Stainless	0.57	0.60	0.59									
CarTech® Pyrowear® 675 Stainless	2.23	2.11	2.00									
CarTech® SCF 19 Max® Alloy	4.75	5.00	5.11									
CarTech® 410 Mod Stainless	0.56	0.58	0.58									

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CarTech® TrimRite® Stainless	0.87	0.94	0.97									
CarTech® 409Cb Stainless	0.58	0.60	0.60									
CarTech® 409Cb High Nickel Stainless	0.58	0.60	0.60									
CarTech® 2507 Super Duplex Stainless	2.78	3.00	3.13									
CarTech® Ni-Cu K500	11.10	10.99	10.39									
CarTech® 330 Stainless	6.07	5.95	5.62									
CarTech® 317 Stainless	3.62	3.79	3.85									
CarTech® A-21®	1.10	1.14	1.15									

AEROSPACE AND HIGH TEMPERATURE ALLOYS

CarTech® A-286 Alloy	5.83	5.45	5.30									
CarTech® Alloy 2 (159 ALY / MP159)	22.35	19.86	17.70									
CarTech® Greek Ascology (418 SS)	1.45	1.47	1.49									
CarTech® L-605 Alloy	16.76	13.81	12.10									
CarTech® Waspaloy	14.58	13.56	12.82									
CarTech® 350 (Pyromet® 350)	2.06	2.26	2.38									
CarTech® 355 (Pyromet® 355)	2.07	2.26	2.38									
CarTech® 41 (Pyromet® 41)	15.25	14.84	14.58									
CarTech® 600 (Pyromet® 600)	12.33	11.63	10.97									
CarTech® 625 (Pyromet® 625)	14.44	14.37	14.45									
CarTech® 680 (Pyromet® 680)	12.05	11.95	12.04									
CarTech® 706 (Pyromet® 706)	8.25	7.66	7.36									
CarTech® 718 (Pyromet® 718)	11.33	10.87	10.71									
CarTech® 720 (Pyromet® 720)	14.36	13.28	12.45									
CarTech® 80A (Pyromet® 80A)	13.05	12.23	11.55									
CarTech® 825 (Pyromet® 825)	9.10	9.13	8.84									
CarTech® 882 (Pyromet® 882)	0.69	0.81	0.89									
CarTech® 901 (Pyromet® 901)	9.38	9.40	9.39									
CarTech® CTX-1 (Pyromet® CTX-1)	9.65	8.81	7.99									
CarTech® CTX-3 (Pyromet® CTX-3)	9.57	8.79	8.06									
CarTech® CTX-909 (Pyromet® CTX-909)	9.55	8.77	8.05									
CarTech® X-750 (Pyromet® X-750)	12.41	11.72	11.09									
CarTech® Thermo-Span® Alloy	11.37	9.79	8.68									

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MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS												
CarTech® 22-3 High Thermal Expansion	3.65	3.59	3.40									
CarTech® Electrical Iron	0.21	0.25	0.26									
CarTech® Glass Sealing 42	6.46	6.33	5.97									
CarTech® Glass Sealing 52	7.83	7.66	7.21									
CarTech® High Permeability "49"® Alloy	7.45	7.29	6.86									
CarTech® HyMu "80"® Alloy	13.41	13.39	12.91									
CarTech® HyMu "80"® Mark II Alloy	13.41	13.39	12.91									
CarTech® HyMu "800"	13.68	13.72	13.29									
CarTech® Super Invar 32-5	5.79	5.44	4.96									
CarTech® Invar 36 Alloy	5.69	5.58	5.27									
CarTech® Low Expansion "42"® Alloy / Thermostat	6.46	6.33	5.97									
CarTech® Low Expansion 43-PH	6.88	6.74	6.36									
CarTech® Nickel 200 Alloy	15.32	14.96	14.05									
CarTech® Nickel 201 Alloy, Nickel 205 Alloy	15.22	14.85	13.95									
CarTech® Silicon Core Iron "A-FM"	0.14	0.18	0.19									
CarTech® Silicon Core Iron "B"	0.22	0.25	0.26									
CarTech® Silicon Core Iron "B-FM"	0.22	0.25	0.26									
CarTech® Temperature Compensator "30"® Type 2	4.71	4.63	4.36									
CarTech® Temperature Compensator "30"® Type 4	4.71	4.63	4.36									
CarTech® Temperature Compensator "32"	5.09	4.99	4.71									
CarTech® Chrome Core® 8-FM Alloy	0.52	0.57	0.60									
CarTech® Chrome Core® 12-FM Alloy	0.63	0.68	0.70									
CarTech® Chrome Core® 13-FM	0.66	0.70	0.72									
CarTech® Chrome Core® 13-XP	0.90	0.97	1.02									
CarTech® Chrome Core® 18-FM Alloy	1.17	1.30	1.40									
CarTech® Free-Cut Invar "36"® Alloy	5.69	5.58	5.27									
CarTech® Hipercor® 27 Alloy	5.85	4.59	3.64									
CarTech® Hipercor® 50 Alloy	10.63	8.36	6.63									
CarTech® Hipercor® 50 HS Alloy	10.48	8.23	6.51									
CarTech® Hipercor® 50A Alloy	10.63	8.36	6.63									
CarTech® Hy Mu 77 Alloy	12.04	11.78	11.08									
CarTech® Hy-Ra "49"® Alloy	7.45	7.29	6.86									
CarTech® Kovar® Alloy	6.81	5.93	5.06									
CarTech® MagneDur® 20-4 Alloy	4.29	4.50	4.57									

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CarTech® No. 1 JR® Type 1 Alloy	0.64	0.68	0.67									
CarTech® No. 1 JR® Type 2 Alloy	0.60	0.63	0.63									
CarTech® Rotelloy 3 Alloy	10.70	8.41	6.67									
CarTech® Rotelloy 8 Alloy	10.63	8.34	6.60									
CarTech® Mumetal	13.00	13.01	12.55									
CarTech® Hypocore	0.87	0.67	0.50									
CarTech® High Expansion 25-8	4.22	4.15	3.92									
CarTech® Low Expansion 50	7.86	7.69	7.24									
CarTech® Low Expansion 40	6.30	6.18	5.82									
CarTech® Low Expansion 45	7.00	6.86	6.45									
CarTech® High Expansion 19-7	3.27	3.23	3.06									
CarTech® High Expansion 19-2	3.23	3.19	3.02									
CarTech® Low Expansion 38-7	6.14	6.02	5.68									
CarTech® High Expansion 72	3.61	3.59	3.49									

MEDICAL ALLOYS

CarTech® BioDur® 108 Alloy	1.17	1.20	1.24									
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	3.32	3.42	3.42									
CarTech® BioDur® 316LS Stainless	3.59	3.74	3.77									
CarTech® BioDur® 470/Custom 470	2.44	2.48	2.44									
CarTech® BioDur® 734 Alloy	2.96	3.09	3.14									
CarTech® BioDur® Carpenter CCM® Alloy	17.72	14.34	12.34									
CarTech® BioDur® TrimRite® Stainless	0.87	0.94	0.97									
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	17.69	14.37	12.43									
CarTech® Micro-Melt® BioDur® CCM Plus®	17.21	14.02	12.22									
CarTech® Conichrome Alloy	14.58	12.69	11.57									

CORROSION-RESISTANT ALLOYS

CarTech® Alloy 22	14.91	15.17	15.50									
CarTech® Alloy C-276	15.23	15.90	16.40									
CarTech® MP35N* Alloy	25.60	23.45	21.46									
CarTech® Ni-Cu 400	11.32	11.21	10.60									
CarTech® Ni-Cu 405	11.32	11.21	10.60									
CarTech® Custom Age 625 PLUS® / 725	14.07	13.92	13.94									
CarTech® 925	9.32	8.83	8.64									

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*MP35N is a trademark of SPS Technologies, Inc.

BEARING AND GEAR STEELS

CarTech® 52100	0.25	0.28	0.29								
CarTech® 52100T2	0.25	0.28	0.29								
CarTech® Aero-A6	0.64	0.65	0.67								
CarTech® BG-42	2.31	2.65	2.95								
CarTech® CBS 223	1.44	1.64	1.81								
CarTech® CBS 600	1.11	1.36	1.57								
CarTech® CBS50Nil	3.15	3.53	3.83								
CarTech® CSS-42L	4.87	4.71	4.63								
CarTech® Dynaflex	0.87	1.00	1.10								
CarTech® L-6490	1.97	2.34	2.68								
CarTech® Lesco® 53	1.98	2.27	2.50								
CarTech® Pyrowear® Alloy 53	1.98	2.27	2.50								
CarTech® M-50	2.43	2.87	3.26								
CarTech® QC61	5.33	4.61	3.99								
CarTech® QC64	4.96	4.38	3.89								

ALLOY STEELS

CarTech® 300M	0.67	0.73	0.76								
CarTech® 35NCD16	0.91	0.92	0.89								
CarTech® 4130 , 4140, 4150	0.30	0.35	0.38								
CarTech® 4319, 4320, 4343	0.61	0.66	0.67								
CarTech® 4330+V, 4335+V	0.70	0.76	0.79								
CarTech® 4340, 4340 VV	0.61	0.66	0.67								
CarTech® 6150	0.29	0.33	0.34								
CarTech® 8620	0.37	0.42	0.44								
CarTech® 9310, 9315	0.81	0.83	0.82								
CarTech® AerMet® 100 Alloy	5.15	4.53	4.05								
CarTech® AerMet® 310 Alloy	5.55	4.88	4.33								
CarTech® AerMet® 340 Alloy	5.94	5.28	4.74								
CarTech® AF1410	4.62	4.07	3.57								
CarTech® No. 158® Alloy	0.86	0.87	0.85								

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CarTech® D6AC	0.69	0.80	0.88									
CarTech® GNB100	1.21	1.30	1.34									
CarTech® HP-9-4-20	2.80	2.68	2.52									
CarTech® HP-9-4-30	2.55	2.43	2.28									
CarTech® HY180	3.61	3.32	3.02									
CarTech® HYTUF	0.81	0.86	0.87									
CarTech® L-6305	0.46	0.53	0.58									
CarTech® NiMark® Alloy 250	5.91	5.92	5.80									
CarTech® NiMark+A273 Alloy 250-LR	5.91	5.92	5.80									
CarTech® NiMark® Alloy 300	6.19	6.15	5.98									
CarTech® Nitralloy 135	0.33	0.38	0.41									
CarTech® Nitralloy N	0.88	0.92	0.91									
CarTech® PremoMax® Alloy	0.55	0.60	0.61									
CarTech® PremoMet® Alloy	1.11	1.17	1.18									
CarTech® QM54	2.60	2.48	2.41									
CarTech® UT-18	0.69	0.80	0.89									

SPECIALTY ALLOYS

CarTech® AEREX	26.64	24.91	22.81									
CarTech® JETHETE	2.48	2.49	2.39									
CarTech® QS53	4.82	4.36	4.00									
CarTech® XM-27	2.04	2.20	2.29									

SPECIAL PURPOSE ALLOYS

CarTech® CBX Cupron® Alloy	8.87	8.91	8.48									
CarTech® Evanohm® Alloy R	13.14	12.32	11.65									
CarTech® Manganin 13	4.09	4.39	4.30									
CarTech® NIAL Alloy	14.70	14.36	13.49									
CarTech® NIAL Alloy / Low Resistivity NIAL	14.70	14.36	13.49									

VALVE STEELS

CarTech® 31V (Pyromet® 31V)	11.24	10.58	10.19									
CarTech® 751 (Pyromet® 751)	12.11	11.42	10.78									
CarTech® 80A (Pyromet® 80A) Valve	13.05	12.23	11.55									

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HIGH SPEED STEELS (not applicable to powder products)

CarTech® M1 - Tatmo	3.32	3.95	4.55								
CarTech® M2 - Double 6	3.64	4.03	4.47								
CarTech® M2 - Double 6-XL	3.52	3.90	4.32								
CarTech® M4 - Stark	3.55	3.87	4.25								
CarTech® M7 - Tatmo-VN	3.56	4.19	4.80								
CarTech® M11 - Vancomo	3.17	3.66	4.11								
CarTech® M35 - HS 105	4.25	4.44	4.72								
CarTech® M42 - Dynamax	4.87	5.26	5.69								
CarTech® M50 - CM-50	1.98	2.35	2.68								
CarTech® Abscido	2.49	2.72	2.99								
CarTech® Supersaw	3.40	3.48	3.60								

TOOL STEELS (not applicable to powder products)

CarTech® A2 - Select-B	0.73	0.84	0.91								
CarTech® A6 - Lesco A6	0.59	0.72	0.81								
CarTech® A7 - Brickmold	1.78	1.88	1.97								
CarTech® A8 - MGR	1.11	1.24	1.36								
CarTech® A9 - Mazeman	1.28	1.42	1.52								
CarTech® A10 - Graph-Air	0.96	1.10	1.20								
CarTech® A18 - Whitebear	1.38	1.52	1.63								
CarTech® D3 - GSN	0.65	0.68	0.68								
CarTech® D4 - GSN+Mo	0.32	0.38	0.41								
CarTech® D7 - BR-4	1.76	1.85	1.93								
CarTech® H11 - Dycast	0.84	0.96	1.05								
CarTech® H12 - L.P.D.®	1.15	1.29	1.41								
CarTech® H13++ - VDC-RF	0.97	1.10	1.21								
CarTech® H13-FM - Viscount	1.00	1.13	1.23								
CarTech® H19 - Lesco19	2.50	2.38	2.35								
CarTech® H21 - CLW	2.39	2.42	2.54								
CarTech® H26 - H26 Mod	4.58	4.59	4.81								
CarTech® H43 - Lesco 43	2.40	2.25	2.19								
CarTech® L6 - Montana	1.43	1.48	1.56								
CarTech® O1 - Badger	0.35	0.39	0.41								
CarTech® O6 - Graph-Mo	0.32	0.38	0.41								

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CarTech® O7 - Lesco O7	0.57	0.61	0.64									
CarTech® S1 - XL®-Chisel	0.76	0.80	0.84									
CarTech® S4 - Damascus	0.22	0.26	0.28									
CarTech® S5 - Lanark	0.65	0.78	0.88									
CarTech® S7 - Bearcat	0.75	0.90	1.01									
CarTech® CAT4039	1.04	1.23	1.39									
CarTech® Lescowear	1.67	1.81	1.94									
CarTech® Mandrel	0.74	0.78	0.78									
CarTech® 420-FM - Saxman-FM	0.79	0.82	0.82									
CarTech® 420SS - Saxman6R	0.79	0.82	0.82									

Conversion Services (Natural Gas Surcharges)												
Process 1 - Non-Ti Air Cool	0.09	0.09	0.02									
Process 2 - Non Ti Fce Cool	0.14	0.14	0.03									
Process 3 - General Ti	0.09	0.09	0.02									
Process 4 Special Processing	0.14	0.14	0.03									
Process 5 - Machining Only	0.00	0.00	0.00									
Process 6 - Remelt Only	0.00	0.00	0.00									