

**Raw Material and Energy Surcharges 2022 - 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.

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**STAINLESS STEELS**

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech® 15-15HS® Stainless/SCF260	1.44											
CarTech® 15-15LC® Modified Stainless	1.24											
CarTech® 20Cb-3® Stainless	4.12											
CarTech® 20Mo-6® Stainless	4.73											
CarTech® 302HQ-FM® Stainless	1.40											
CarTech® 316L-SCQ® Stainless	2.09											
CarTech® 13-8 Stainless	1.62											
CarTech® 15Cr-5Ni	1.12											
CarTech® 18Cr-2Ni-12Mn	0.88											
CarTech® 18Cr-3Ni-12Mn	1.03											
CarTech® 21Cr-6Ni-9Mn	1.34											
CarTech® 22Cr-13Ni-5Mn	2.20											
CarTech® 302HQ-SFQ Stainless	1.40											
CarTech® Custom 631 (17Cr-7Ni)	1.21											
CarTech® 15-7PH Stainless	1.60											
CarTech® Custom 630 (17Cr-4Ni) Stainless	1.11											
CarTech® No. 5-F Stainless (Type 416 Mod)	0.57											
CarTech® 302 Stainless	1.40											
CarTech® 303 Stainless	1.41											
CarTech® 303 Se Stainless	1.40											
CarTech® 304/304L Stainless	1.40											
CarTech® 305 Stainless	1.63											
CarTech® 309 Stainless	1.88											
CarTech® 310 Stainless	2.43											
CarTech® 316/316L Stainless	2.09											
CarTech® 316L Stainless	2.09											
CarTech® 321 Stainless	1.53											
CarTech® 347 Stainless	1.57											
CarTech® 403 Stainless	0.56											
CarTech® 410 Stainless	0.56											
CarTech® 416 Stainless	0.57											

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CarTech® 416 (No. 5) Stainless	0.57											
CarTech® 416 RS Stainless	0.57											
CarTech® 416BQ Stainless (No. 5BQ)	0.57											
CarTech® 420 Stainless	0.57											
CarTech® 420 Mod Stainless	0.57											
CarTech® 420F Stainless	0.58											
CarTech® 430 Stainless	0.63											
CarTech® 430F Stainless	0.63											
CarTech® 430FR Stainless	0.63											
CarTech® 431 Stainless	0.81											
CarTech® 434 Stainless	0.83											
CarTech® 440A Stainless	0.63											
CarTech® 440C Stainless	0.63											
CarTech® 440F-Se Stainless	0.63											
CarTech® 446 Stainless	0.75											
CarTech® 204-Cu Stainless	1.43											
CarTech® Consumet® 304L-SCQ	1.44											
CarTech® Custom 450® Stainless	1.59											
CarTech® Custom 455® Stainless	1.25											
CarTech® Custom 465® Stainless	1.64											
CarTech® Custom 475™ Stainless	4.52											
CarTech® Custom Flo 302HQ Stainless	1.40											
CarTech® EnduraMet® 2205 Stainless	1.67											
CarTech® Gall-Tough® PLUS Stainless	1.40											
CarTech® Gall-Tough® Stainless	1.09											
CarTech® 15Cr-5Ni Project 70+® Stainless	1.12											
CarTech® Custom 630 Project 70+® Stainless	1.11											
CarTech® 303 Project 70+® Escomatic Quali	1.41											
CarTech® 303 Project 70+® Stainless	1.41											
CarTech® 304/304L Project 70+® Stainless	1.40											
CarTech® 316/316L Project 70+® Stainless	2.09											
CarTech® 416 Project 70+® Stainless	0.57											
CarTech® Pyrowear® 675 Stainless	2.74											
CarTech® SCF 19 Max® Alloy	3.08											

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® 410 Mod Stainless	0.56											
CarTech® TrimRite® Stainless	0.76											
CarTech® 409Cb Stainless	0.57											
CarTech® 409Cb High Nickel Stainless	0.57											
CarTech® 2507 Super Duplex Stainless	1.93											
CarTech® Ni-Cu K500	6.98											
CarTech® 330 Stainless	3.64											
CarTech® 317 Stainless	2.39											
CarTech® A-21®	0.87											

**AEROSPACE AND HIGH TEMPERATURE ALLOYS**

CarTech® A-286 Alloy	3.27											
CarTech® Alloy 2 (159 ALY / MP159)	28.58											
CarTech® Greek Ascoloy (418 SS)	1.18											
CarTech® L-605 Alloy	22.75											
CarTech® Waspaloy	11.25											
CarTech® 350 (Pyromet® 350)	1.50											
CarTech® 355 (Pyromet® 355)	1.49											
CarTech® 41 (Pyromet® 41)	11.28											
CarTech® 600 (Pyromet® 600)	6.25											
CarTech® 625 (Pyromet® 625)	8.24											
CarTech® 680 (Pyromet® 680)	7.25											
CarTech® 706 (Pyromet® 706)	4.56											
CarTech® 718 (Pyromet® 718)	6.45											
CarTech® 720 (Pyromet® 720)	11.36											
CarTech® 80A (Pyromet® 80A)	6.63											
CarTech® 825 (Pyromet® 825)	5.46											
CarTech® 882 (Pyromet® 882)	0.66											
CarTech® 901 (Pyromet® 901)	5.22											
CarTech® CTX-1 (Pyromet® CTX-1)	9.06											
CarTech® CTX-3 (Pyromet® CTX-3)	8.91											
CarTech® CTX-909 (Pyromet® CTX-909)	8.89											
CarTech® X-750 (Pyromet® X-750)	6.35											
CarTech® Thermo-Span® Alloy	13.97											

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Alloy Description

Jan

Feb

Mar

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Jul

Aug

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Oct

Nov

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**MAGNETIC, CONTROLLED EXPANSION AND ELECTRICAL ALLOYS**

CarTech® 22-3 High Thermal Expansion	2.26											
CarTech® Electrical Iron	0.34											
CarTech® Glass Sealing 42	3.82											
CarTech® Glass Sealing 52	4.54											
CarTech® High Permeability "49"® Alloy	4.34											
CarTech® HyMu "80"® Alloy	7.79											
CarTech® HyMu "80"® Mark II Alloy	7.79											
CarTech® HyMu "800"	8.00											
CarTech® Invar 36 Alloy	3.39											
CarTech® Low Expansion "42"® Alloy / Thermost	3.82											
CarTech® Low Expansion 43-PH	4.03											
CarTech® Nickel 200 Alloy	8.72											
CarTech® Nickel 201 Alloy, Nickel 205 Alloy	8.66											
CarTech® Silicon Core Iron "A-FM"	0.27											
CarTech® Silicon Core Iron "B"	0.35											
CarTech® Silicon Core Iron "B-FM"	0.35											
CarTech® Temperature Compensator "30"® Type 2	2.81											
CarTech® Temperature Compensator "30"® Type 4	2.81											
CarTech® Temperature Compensator "32"	3.02											
CarTech® Chrome Core® 8-FM Alloy	0.54											
CarTech® Chrome Core® 12-FM Alloy	0.61											
CarTech® Chrome Core® 13-FM	0.63											
CarTech® Chrome Core® 13-XP	0.81											
CarTech® Chrome Core® 18-FM Alloy	0.96											
CarTech® Free-Cut Invar "36"® Alloy	3.39											
CarTech® Hiperco® 27 Alloy	10.24											
CarTech® Hiperco® 50 Alloy	18.40											
CarTech® Hiperco® 50 HS Alloy	18.18											
CarTech® Hiperco® 50A Alloy	18.40											
CarTech® Hy Mu 77 Alloy	7.00											
CarTech® Hy-Ra "49"® Alloy	4.34											

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CarTech® Kovar® Alloy	7.68											
CarTech® MagneDur® 20-4 Alloy	2.75											
CarTech® No. 1 JR® Type 1 Alloy	0.61											
CarTech® No. 1 JR® Type 2 Alloy	0.56											
CarTech® Rotelloy 3 Alloy	18.51											
CarTech® Rotelloy 8 Alloy	18.44											
CarTech® Mumetal	7.67											
CarTech® Hypocore	1.79											
CarTech® High Expansion 25-8	2.59											
CarTech® Low Expansion 50	4.60											
CarTech® Low Expansion 40	3.73											
CarTech® Low Expansion 45	4.08											
CarTech® High Expansion 19-7	2.06											
CarTech® High Expansion 19-2	2.03											
CarTech® Low Expansion 38-7	3.65											
CarTech® High Expansion 72	5.19											

**MEDICAL ALLOYS**

CarTech® BioDur® 108 Alloy	1.03											
CarTech® BioDur® 22Cr-13Ni-5Mn Stainless	2.20											
CarTech® BioDur® 316LS Stainless	2.35											
CarTech® BioDur® 470/Custom 470	1.63											
CarTech® BioDur® Carpenter CCM® Alloy	26.85											
CarTech® BioDur® TrimRite® Stainless	0.76											
CarTech® Micro-Melt® BioDur® Carpenter CCM® Alloy	26.65											
CarTech® Micro-Melt® BioDur® CCM Plus®	25.57											

**CORROSION-RESISTANT ALLOYS**

CarTech® Alloy C-276	8.91											
CarTech® MP35N* Alloy	29.84											
CarTech® Ni-Cu 400	7.18											
CarTech® Ni-Cu 405	7.18											
CarTech® Custom Age 625 PLUS® / 725	7.97											
CarTech® 925	5.16											

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\*MP35N is a trademark of SPS Technologies, Inc.

**BEARING AND GEAR STEELS**

CarTech® 52100	0.36												
CarTech® 52100T2	0.36												
CarTech® Aero-A6	0.64												
CarTech® BG-42	1.76												
CarTech® CBS 223	1.31												
CarTech® CBS 600	1.01												
CarTech® CBS50Nil	2.39												
CarTech® CSS-42L	6.03												
CarTech® Dynaflex	0.81												
CarTech® L-6490	1.54												
CarTech® Lesco® 53	1.58												
CarTech® Pyrowear® Alloy 53	1.58												
CarTech® M-50	1.99												
CarTech® QC61	7.40												
CarTech® QC64	6.82												

**ALLOY STEELS**

CarTech® 300M	0.63												
CarTech® 35NCD16	0.77												
CarTech® 4130 , 4140, 4150	0.40												
CarTech® 4319, 4320, 4343	0.59												
CarTech® 4330+V, 4335+V	0.65												
CarTech® 4340, 4340 VV	0.59												
CarTech® 6150	0.42												
CarTech® 8620	0.44												
CarTech® 9310, 9315	0.71												
CarTech® AerMet® 100 Alloy	6.26												
CarTech® AerMet® 310 Alloy	7.00												
CarTech® AerMet® 340 Alloy	7.38												
CarTech® AF1410	6.10												
CarTech® No. 158® Alloy	0.74												

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CarTech® D6AC	0.65											
CarTech® GNB100	0.99											
CarTech® HP-9-4-20	2.94											
CarTech® HP-9-4-30	2.77											
CarTech® HY180	4.21											
CarTech® HYTUF	0.72											
CarTech® L-6305	0.51											
CarTech® NiMark® Alloy 250	5.37											
CarTech® NiMark+A273 Alloy 250-LR	5.37											
CarTech® NiMark® Alloy 300	5.84											
CarTech® Nitralloy 135	0.42											
CarTech® Nitralloy N	0.76											
CarTech® PremoMax® Alloy	0.57											
CarTech® PremoMet® Alloy	0.93											
CarTech® QM54	3.40											
CarTech® UT-18	0.66											

**SPECIALTY ALLOYS**

CarTech® AEREX	27.41											
CarTech® JETHETE	1.80											
CarTech® QS53	6.30											
CarTech® XM-27	2.04											

**SPECIAL PURPOSE ALLOYS**

CarTech® CBX Cupron® Alloy	6.28											
CarTech® Evanohm® Alloy R	6.89											
CarTech® Manganin 13	4.34											
CarTech® NIAL Alloy	8.40											
CarTech® NIAL Alloy / Low Resistivity NIAL	8.40											

**VALVE STEELS**

CarTech® 31V (Pyromet® 31V)	5.94											
CarTech® 751 (Pyromet® 751)	6.14											
CarTech® 80A (Pyromet® 80A) Valve	6.63											

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**HIGH SPEED STEELS (not applicable to powder products)**

CarTech® M1 - Tatmo	2.51											
CarTech® M2 - Double 6	2.85											
CarTech® M2 - Double 6-XL	2.76											
CarTech® M4 - Stark	2.79											
CarTech® M7 - Tatmo-VN	2.69											
CarTech® M11 - Vancomo	2.70											
CarTech® M35 - HS 105	4.13											
CarTech® M42 - Dynamax	5.00											
CarTech® M50 - CM-50	1.55											
CarTech® Abscido	1.98											
CarTech® Supersaw	3.99											

**TOOL STEELS (not applicable to powder products)**

CarTech® A2 - Select-B	0.71											
CarTech® A6 - Lesco A6	0.62											
CarTech® A7 - Brickmold	1.47											
CarTech® A8 - MGR	1.00											
CarTech® A9 - Mazeman	1.08											
CarTech® A10 - Graph-Air	0.85											
CarTech® A18 - Whitebear	1.17											
CarTech® D3 - GSN	0.65											
CarTech® D4 - GSN+Mo	0.43											
CarTech® D7 - BR-4	1.45											
CarTech® H11 - Dycast	0.79											
CarTech® H12 - L.P.D.®	1.03											
CarTech® H13++ - VDC-RF	0.89											
CarTech® H13-FM - Viscount	0.90											
CarTech® H19 - Lesco19	2.81											
CarTech® H21 - CLW	2.05											
CarTech® H26 - H26 Mod	3.86											
CarTech® H43 - Lesco 43	2.76											



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CarTech® L6 - Montana	1.28											
CarTech® O1 - Badger	0.47											
CarTech® O6 - Graph-Mo	0.43											
CarTech® O7 - Lesco O7	0.64											
CarTech® S1 - XL®-Chisel	0.79											
CarTech® S4 - Damascus	0.37											
CarTech® S5 - Lanark	0.66											
CarTech® S7 - Bearcat	0.73											
CarTech® CAT4039	0.91											
CarTech® Lescowear	1.40											
CarTech® Mandrel	0.70											
CarTech® 420-FM - Saxman-FM	0.71											
CarTech® 420SS - Saxman6R	0.71											

<b>Conversion Services (Natural Gas Surcharges)</b>												
Process 1 - Non-Ti Air Cool	0.08											
Process 2 - Non Ti Fce Cool	0.13											
Process 3 - General Ti	0.08											
Process 4 Special Processing	0.13											
Process 5 - Machining Only	0.00											
Process 6 - Remelt Only	0.00											