



GRADE	UNS
▼ HIGH TEMPERATURE ALLOYS	
CarTech™ 422/636 Alloy	
CarTech ACUBE® 100	
CarTech C263	
CarTech Alloy W	
CarTech Custom Age 625 PLUS®	N07716
CarTech Custom Age 625 PLUS® HS	
CarTech Custom Age 725™	
CarTech Greek Ascology (AMS 5616)	S41800
CarTech 418	
CarTech L-605	R30605
CarTech Alloy 2 (AMS 5842)	
CarTech 159	
CarTech MP35N ¹	R30035
CarTech NiMark® 250	K92890
CarTech NiMark® 300	K93120
CarTech 286-LNi	S66285
CarTech Alloy 925	N09925
CarTech Customet® A-286	
CarTech A-286	S66286
CarTech CTX-1	N11903
CarTech CTX-3	N11907
CarTech CTX-909	N11909
CarTech X-750	N07750
CarTech 26	
CarTech 31V	N07032
CarTech 41	N07041
CarTech 80A	N07080
CarTech 120	
CarTech 188	
CarTech 600	N06600
CarTech 617	N06617
CarTech 625	N06625
CarTech 625 Weld/ WELD 6	
CarTech 680	N06002
CarTech 718	N07718
CarTech 720	
CarTech 751	
CarTech 882	T20811
CarTech 901	N09901
CarTech CASQ/72 W	
CarTech Thermo-Span®	
CarTech Waspaloy	N07001
CarTech Jethete M152	S64152

GRADE	UNS
▼ ALLOY STEELS (including bearing and gear steels)	
CarTech AerMet® 100	K92580
CarTech AerMet 310	
CarTech AerMet 340	
CarTech PremoMet®	
CarTech Temper Tough™	
CarTech Pyrowear® 53	
CarTech LESCO® 53	
CarTech 300M	
CarTech M-50	K88165
CarTech Ferrium® M54 ^{®2}	
CarTech Ferrium® S53 ^{®2}	
CarTech 52100	
CarTech 4340	

GRADE	UNS
CarTech 9310	
CarTech No. 158®	T51606
CarTech 21-2N	
CarTech 21-4N	
CarTech 21-12N	K63017
CarTech 23-8N	
CarTech CBS-223	
CarTech CBS-600	K21940
CarTech CSS-42L	S42640
CarTech 16NCD13	
CarTech 35NCD16	
CarTech 4330	K23080
CarTech 4335	K33517
CarTech AF1410 / AF1410 Mod.	K92571
CarTech D6AC	K24728
CarTech HP 9-4-20	K91472
CarTech HP 9-4-30	K91283
CarTech HY-180	K91971
CarTech HyTuf	K32550
CarTech 6305	K14675
CarTech UT-18	
CarTech BG-42	S42700
CarTech Nitralloy N	
CarTech Nitralloy 135M	K24065
CarTech Ferrium® C61™ ²	K93061
CarTech Ferrium C64 ^{®2}	

GRADE	UNS
▼ STAINLESS STEELS	
Standard Austenitic Stainless Steels	
CarTech 302	S30200
CarTech Custom Flo 302HQ	S30430
CarTech 302HQ-FM®	S30431
CarTech 302HQ-SFQ	S30430
CarTech 303 Project 70® +	S30300
CarTech 303/303 HS	
CarTech 303-Se	S30323
CarTech 304/304L Project 70+	S30400
CarTech 304/304L	S30400 S30403
CarTech 305	S30500
CarTech 309	S30900
CarTech 310	S31000
CarTech 316/316L Project 70+	S31600
CarTech 316/316L	S31603
CarTech 316L-SCQ®	S31603
CarTech 321	S32100
CarTech 330	S38400
CarTech 347	
Martensitic Stainless Steels	
CarTech 410	S41000
CarTech L410CB/403CB+	
CarTech 416 Project 70+	S41600
CarTech 416 (No. 5)	S41600
CarTech 416BQ (No. 5BQ)	S41600
CarTech 416 Low Sulfur	
CarTech T416 Modified Sulfur	
CarTech 420	S42000
CarTech 420F	S42020
CarTech 431	S43100
CarTech 440A	S44002

GRADE	UNS
CarTech 440C	S44004
CarTech TrimRite®	S42010
CarTech Trinamet®	
CarTech Trinamet® 300	
CarTech Pyrowear® 675	
Ferritic Stainless Steels	
CarTech 409Cb	S40940
CarTech 409Cb-FM	
CarTech 409Cb Nigh Ni	
CarTech 430	S43000
CarTech 430F	S43020
CarTech 430FR Solenoid Quality	
CarTech XM-27	
Precipitation Hardenable Stainless Steels	
CarTech Custom 450®	S45000
CarTech Custom 455®	S45500
CarTech Custom 465®	
CarTech Custom 475®	
CarTech Custom 630 (17Cr-4Ni) Project 70+	S17400
CarTech Custom 630 (17Cr-4Ni)	S17400
CarTech Custom 631 (17Cr-7Ni)	S17700
CarTech 15Cr-5Ni	S15500
CarTech 15Cr-5Ni Project 70+	S15500
CarTech 15-7PH	
CarTech 13Cr-8Ni	S13800
CarTech 350	S35000
CarTech 355	S35000
CarTech Touralloy 230 Plus	
Super Austenitic Stainless Steels	
CarTech 20Cb-3®	N08020
CarTech C-276	N10276
CarTech 20Mo-6® HS	N08036
Nitrogen Strengthened Austenitic Stainless Steels	
CarTech 15-15HS® Max	
CarTech 15-15LC® Modified	
CarTech 201 Modified	
CarTech 18Cr-2Ni-12Mn	S24100
CarTech 18-3-12	
CarTech 21Cr-6Ni-9Mn	S21904
CarTech 22Cr-13Ni-5Mn	S20910
CarTech Gall-Tough®	S20161
CarTech Gall-Tough Plus	S21800
CarTech SCF 19® Max	
CarTech SCF 260™	
Duplex Stainless Steels	
CarTech 2205	
CarTech Micro-Melt® 2101 Lean Duplex	
CarTech Micro-Melt 2304 Lean Duplex	
CarTech Micro-Melt 2205 Duplex	
CarTech Micro-Melt 2505 Super Duplex	
CarTech Micro-Melt 100 Super Duplex	
CarTech Micro-Melt 2507 Super Duplex	

Continued on next page

Want to know more? Technical datasheets for Carpenter's products are available at the Alloy TechZone at www.CarTech.com

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Borated Stainless Steels

CarTech Micro-Melt® NeuroSorb®
 CarTech Micro-Melt® NeuroSorb-Plus®S30460-S30467

▼ DYNAMET TITANIUM

6Al-2Sn-4Zr-2Mo
 6Al-4V
 6Al-4V Eli
 6Al-4V Eli WW
 6Al-4V Rotor Quality
 6Al-6V-2Sn
 6Al-7Nb
 CP Grade 1
 CP Grade 2
 CP Grade 3
 CP Grade 4
 Ti Pd
 Ti Cb
 15V-3Cr-3Sn-3Al
 3Al-2.5V
 3Al-8V-6Cr-4Mo-4Zr
 15Mo

▼ NICKEL-COPPER ALLOYS

CarTech Ni-Cu 400 N04400
 CarTech Ni-Cu 400 HS
 CarTech Ni-Cu 405
 CarTech Ni-Cu K500

▼ MAGNETIC, CONTROLLED EXPANSION, ELECTRICAL, AND ELECTRONIC ALLOYS

High Permeability Alloys

CarTech Hy-Ra "49"K94840
 CarTech High Permeability "49"®K94840
 CarTech High Permeability "55"
 CarTech HyMu "77"
 CarTech HyMu "80"®
 CarTech HyMu "800"
 CarTech Hiperc®15
 CarTech Hiperc 27
 CarTech Hiperc 50
 CarTech Hiperc 50A
 CarTech Hiperc 50 HS
 CarTech Rotelloy 3
 CarTech Rotelloy 8

Magnetic Core Irons

CarTech Electrical Iron
 CarTech Vacumet® Consumet® Core Iron
 CarTech Chrome Core® 12-FM
 CarTech Chrome Core 13-FM
 CarTech Chrome Core 13-XP
 CarTech Chrome Core 18-FM
 CarTech Silicon Core Iron "A"
 CarTech Silicon Core Iron "B"
 CarTech Silicon Core Iron "B-FM"
 CarTech 430FR Solenoid Quality

Temperature Compensator Alloys

CarTech Temperature Compensator "30"® (Type 2, 3, 4)
 CarTech Temperature Compensator "32" (Type 1)

High Expansion Alloys

CarTech High Expansion "19-7"
 CarTech High Expansion 20-6

CarTech High Expansion 22-3
 CarTech High Expansion 25-8
 CarTech High Expansion "72"

Low Expansion Alloys

CarTech Invar "36"®/Free Cut K93601/ 03
 CarTech Low Expansion "38-7"
 CarTech Low Expansion "39"
 CarTech Low Expansion "42"®K94101
 CarTech Low Expansion 43-PH
 CarTech Low Expansion "49"

Glass and Ceramic Sealing Alloys

CarTech Glass Sealing "27"
 CarTech Glass Sealing "42"K94100
 CarTech Glass Sealing "42-6"
 CarTech Glass Sealing "52"K95050
 CarTech Kovar®K94610

Magnetic Alloys

CarTech MagneDur® 20-4
 CarTech P6

Electrical Resistance Alloys

CarTech Manganin 13
 CarTech No. 1 JR® (Types 1 and 2)

▼ TOOL AND DIE STEELS

Micro-Melt® High Speed Steels

CarTech Micro-Melt Maxamet®
 CarTech Micro-Melt M3 Class 2T11323
 CarTech Micro-Melt M4T11304
 CarTech Micro-Melt M42T11342
 CarTech Micro-Melt M48T11248
 CarTech Micro-Melt M62T11362
 CarTech Micro-Melt 60
 CarTech Micro-Melt T15T12015
 CarTech Micro-Melt T15 Plus
 CarTech Micro-Melt 23 (M3)T11323
 CarTech Micro-Melt HS30
 CarTech Micro-Melt M4+5

High Speed Steels

CarTech M1T11301
 CarTech M2T11302
 CarTech M4T11304
 CarTech M7T11307
 CarTech M10T11310
 CarTech M11
 CarTech M42T11342

Ultra-High Combined Strength and Toughness Alloy

CarTech AerMet® for-ToolingK92580

Micro-Melt® Cold Work Tool Steels

CarTech Micro-Melt® A11-LVC
 CarTech Micro-Melt A11
 CarTech Micro-Melt CD#1
 CarTech Micro-Melt PD#1
 CarTech Micro-Melt PD#5
 CarTech Micro-Melt TD1

Micro-Melt® Corrosion and Wear Resistant Cold Work Tool Steels

CarTech Micro-Melt® 440CS44004
 CarTech Micro-Melt 440-XH®
 CarTech Micro-Melt 420-CV
 CarTech Micro-Melt 20-4

Cold Work Tool and Die Steels

CarTech A2T30102
 CarTech A6T30402
 CarTech D2T30403
 CarTech D3T61203
 CarTech L6T31501
 CarTech O1T31506
 CarTech O6T41902
 CarTech S2T41905
 CarTech S5T41907
 CarTech S7T30108
 CarTech A18
 CarTech 14-4CRMO

Hot Work Tool and Die Steels

CarTech H11T20811
 CarTech H13T20813
 CarTech H19T20819
 CarTech Extend-Die®
 CarTech Pyrotool® AK66286
 CarTech Pyrotool 7N07718

Mold Steels

CarTech No. 158® (P6)T51606
 CarTech 420S42000

▼ LOOSE POWDER ALLOYS - CPP

Carpenter also offers a broad range of gas atomized loose metallic powder alloys:

- Hot isostatically pressed (HIP'd) billets and near net shape (NNS) products
- Metal injection molding (MIM)
- Hardfacing and weld overlays by PTA and laser welding
- Thermal spray and gas turbine refurbishment
- High-temperature braze applications
- Laser additive manufacturing

▼ CUTTING BLADE ALLOYS

CarTech CTS® Alloys
 Request the Cutting Blade Line Card for more info on Carpenter and Latrobe knife and blade steels.

▼ MEDICAL IMPLANT ALLOYS

CarTech BioDur® Alloys
 Request the Medical Market Line Card for more info on cobalt base, stainless, and titanium medical alloys.

▼ REINFORCING BAR ALLOYS

CarTech EnduraMet® Stainless Steels

▼ HEATING ELEMENT ALLOYS

CarTech Tophet® Alloy A
 CarTech Tophet Alloy C

▼ RESISTANCE ALLOYS

CarTech EvanoHm® Alloy R
 CarTech CBX Cupron®



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