

GRADE UNS

▼ HIGH TEMPERATURE ALLOYS

CarTech™ 422/636 Alloy CarTech ACUBE®100 CarTech C263	
CarTech Alloy W	
CarTech CustomAge625 PLUS®	N07716 CarTech
CustomAge625 PLUS®HS	
CarTech CustomAge725™	
CarTech Greek Ascobly (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 Waspaby	N07001
CarTech Jethete M152	S64152

▼ ALLOY STEELS (including bearing and gearsteels)

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
D&AC	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™	K93061 CarTech
Ferrium C64 ^{®2}	

▼ STAINLESS STEELS

Standard Austenitic Stainless Steels

CarTech 302	S30200 CarTech CustomFlo
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
Trimamet®	
CarTech Trimamet®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 Custom450®	S45000
CarTech Custom455®	S45500 CarTech
Custom465®	
CarTech Custom475®	
CarTech Custom630 (17Cr-4Ni) Project 70+	S17400
CarTech Custom630 (17Cr-4Ni)	S17400 CarTech
Custom631 (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-6HS	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 GolfTough®	S20161
CarTech GolfTough 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	

Borated Stainless Steels

CarTech Micro-Melt® NeutroSorb®
CarTech Micro-Melt® NeutroSorb-Plus®S30460S30467

▼ DYNAMET TITANIUM

6Al-2Sn-4Zr-2Mo
6Al-4V
6Al-4V/El
6Al-4V/El 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 Co
15V-3Cr-3Sn-3Al
3Al-2.5V
3Al-8V-6Cr-4Mo-4Zr
15Mo

▼ NICKEL-COPPER ALLOYS

CarTech Ni-Cu 400N04400 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 Hiperco® 15 CarTech Hiperco 27
CarTech Hiperco 50 CarTech Hiperco 50A CarTech Hiperco
50 HS CarTech Roteloy 3
CarTech Roteloy 8

Magnetic Core Irons

CarTech Electrical Iron
CarTech Vacum® Consumer® Caelron CarTech Chrome
Core® 12-FM
CarTech Chrome Core 13-FM CarTech Chrome Core 13-XP
CarTech Chrome Core 18-FM CarTech Silicon Caelron "A"
CarTech Silicon Caelron "B" CarTech Silicon Caelron "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 CutK93601/03 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 MagnaDur® 20-4 CarTech P6

Electrical Resistance Alloys

CarTech Mangarin 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-CW 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 A8T30108 CarTech A18
CarTech 144CRMO

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 heat-treated (HNS) products
- Metal injection molding (MIM)
- Hardfacing and weld overlays by PTA and laser welding
- Thermal spray and gas turbine refurbishment
- High-temperature brazing 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 Taphet® Alloy A
CarTech Taphet Alloy C

▼ RESISTANCE ALLOYS

CarTech Evandm® Alloy R
CarTech CBX Cupron®