

**HIGH TEMP**

<b>Cobalt-Based</b>		UNS#
L-605	R30605	
MP159 <sup>®1</sup>	R30159	
MP35N <sup>®1</sup>	R30035	
<b>Nickel-Based</b>		
80A	N07080	
600	N06600	
617	N06617	
625	N06625	
625 PLUS <sup>®</sup>	N07716	
680	N06002	
706	N09706	
718	N07718	
720	N07720	
725 <sup>®</sup>	N07725	
X-750	N07750	
901	N09901	
925	N09925	
C-263	N07263	
C-276	N10276	
CTX-1	N19903	
CTX-3	N19907	
CTX-909	N19909	
Thermo-Span <sup>®</sup>		
G-27		
Pyromet <sup>®</sup> 41	N07041	
Waspaloy	N07001	
<b>Stainless Steel</b>		
330	N08330	
418	S41800	
422	S42200	
A-286	S66286	
Jethete M152	S64152	

**STAINLESS STEELS**

<b>Austenitic</b>		UNS#
302	S30200	
302HQ	S30430	
302HQ-FM <sup>®</sup>	S30431	
303 <sup>P70+</sup>	S30300	
303-Se	S30323	
304/304L <sup>P70+</sup>	S30403	
316/316L <sup>P70+</sup>	S31603	
316L-SCQ <sup>®</sup>	S31603	
321	S32100	
330	N08330	
347	S34700	
20Cb-3 <sup>®</sup> (Alloy 20)	N08020	
20Mo-6 <sup>®</sup> HS	N08036	
<b>Duplex</b>		
2205	S31803	
2507	S32750	
Micro-Melt <sup>®</sup> 100	S32760	
Micro-Melt <sup>®</sup> 2205	S32205	
Micro-Melt <sup>®</sup> 2304	S32304	
Micro-Melt <sup>®</sup> 2507	S32750	
Micro-Melt <sup>®</sup> 2906	S32906	
<b>Ferritic Stainless</b>		
409Cb	S40940	
430	S43000	
XM-27	S44627	
<b>Martensitic</b>		
1.4418	S42010	
410	S41000	
420	S42000	
431	S43100	
416 <sup>P70+</sup>	S41600	
420F	S42020	

440A	S44002
440C	S44004
440F Se	
A-21 <sup>®</sup>	S41429
BG-42	S42700
Pyrowear <sup>®</sup> 675	S42670
Trimrite <sup>®</sup>	S42010

**Nitrogen Strengthened Austenitic**

18Cr-2Ni-12Mn	S24100
18Cr-3Ni-12Mn	S24000
21Cr-6Ni-9Mn	S21904
22Cr-13Ni-5Mn	S20910
Gall-Tough <sup>®</sup> Plus	S20162
15-15HS Max	
15-15LC <sup>®</sup> Modified	S21300
SCF 19 <sup>®</sup> Max	S21000
SCF 260 <sup>®</sup>	

**Precipitation Hardenable**

13-8Mo	
13Cr-8Ni	S13800
15Cr-5Ni	S15500
15Cr-5Ni <sup>P70+</sup>	S15500
355	S35000
A-286	S66286
Pyromet <sup>®</sup> 350	S35000
Custom 450 <sup>®</sup>	S45000
Custom 455 <sup>®</sup>	S45500
Custom 465 <sup>®</sup>	S46500
Custom 630 (17-4 PH) <sup>P70+</sup>	S17400
Custom 631 (17Cr-7Ni)	S17700

**NICKEL-COPPER**

Ni-Cu 400	N04400
Ni-Cu 405	N04405
Ni-Cu K500	N05500

**ALLOY & SPECIALTY STEELS**

<b>Bearing &amp; Gear Steel</b>		UNS#
9310	G93106	
52100	G52986	
ACUBE <sup>®</sup> 100		
Carpenter 158	T51606	
CBS-223		
CBS-50 NiL	K91231	
M-50	T11350	
CBS-600	K21940	
Ferrium <sup>®</sup> C61	K93061	
Ferrium <sup>®</sup> C64	K92731	
L-6490	T11350	
Nitralloy 135M	K24065	
Nitralloy N		
Pyrowear <sup>®</sup> 53	K71040	

**High Strength**

AerMet <sup>®</sup> 100	K92580
Aermet <sup>®</sup> 100 Plus	
AerMet <sup>®</sup> 310	
AerMet <sup>®</sup> 340	
35NCD16	
300M	K44220
300M-HS	K44220
882	T20811
4140	
4340	G43400
4330+V	K23080
6305	K14675
AF-9628	
D6AC	K24728
Ferrium <sup>®</sup> M54	K91973
Ferrium <sup>®</sup> S53	S10500
HP 9-4-20	K91472
HP 9-4-30	K91283

HY-180	K91970
HyTuf	K32550
NiMark <sup>®</sup> 250	K92890
NiMark <sup>®</sup> 300	K93120
PremoMax <sup>®</sup>	K52260
PremoMet <sup>®</sup>	K63835
Pyrowear <sup>®</sup> 225	K52260
Temper Tough <sup>®</sup>	K63835
UT-18	

**Valve Steel**

21-4N	S63008
21-12N	S63017
23-8N	S63018
31V	N07032
80A	N07080
751	N07751
NCF 3015/30 Ni	S66315

**TITANIUM**

3Al-2.5V	R56320
3Al-8V-6Cr-4Mo-4Zr	R58640
6Al-2Sn-4Zr-2Mo	R54620
6Al-4V	R56400
6Al-4V Eli	R56407
6Al-6V-2Sn	R56620
6Al-7Nb	R56700
15V-3Cr-3Sn-3Al	R58153
CP Grade 1	R50250
CP Grade 2	R50400
CP Grade 3	R50550
CP Grade 4	R50700

<sup>1</sup> Registered trademark of SPS Technologies, Inc.

<sup>P70+</sup> Available in Project 70<sup>®</sup>+ version for enhanced machinability

**SOFT MAGNETIC**

High Magnetic Saturation	UNS#
Hiperco® 27	K92650
Hiperco® 50	R30005
Hiperco® 50A	R30005
Hiperco® 50 HS	R30005
Hypocore®	
High Permeability	
High Permeability 49®	K94840
HyMu 80®	N14080
HyMu 800	N14080
Hy-Ra 49	K94840
Magnetic Iron	
Core Iron	
Electrical Iron	
Silicon Core Iron A	
Silicon Core Iron B	
Silicon Core Iron B-FM	
Silicon Core Iron C	
Corrosion Resistant Magnetic	
430F	S43020
430FR	
Chrome Core® 8-FM	
Chrome Core® 12-FM	
Chrome Core® 13-FM	
Chrome Core® 13-XP	
Chrome Core® 18-FM	
XM-27	S44627

**MEDICAL**

Cobalt-Based	UNS#
Biodur® CCM	R31537
Conichrome®	R30008
GADS Vitallium	R31539
L-605/Biodur® L-605	R30605
Micro-Melt® Biodur® CCM Low Nickel	R31537
Micro-Melt® Biodur® CCM Plus	R31538
MP35N®1	R30035
Stainless Steels	
420	S42000
440A	S44002
Biodur® 108	S29108
Biodur® 22CR-13Ni-5Mn	S20910
Biodur® 316LS	S31673
Custom 455®	S45500
Custom 465®	S46500
Custom 470®	S46500
Custom 630 (17-4 PH) <sup>P70+</sup>	S17400
Gall-Tough® Plus	S21800
TrimRite®	S42010
Trinamet®	S42030
Titanium	
See Titanium	
HEATING ELEMENT	
Tophet® Alloy A	
Tophet® Alloy C	

**CONTROLLED EXPANSION, ELECTRICAL & ELECTRONIC**

Electrical Resistance	UNS#
CBX Cupron®	
Evanohm® R	
Glass & Ceramic Sealing	
Glass Sealing 27	
Glass Sealing 42	K94100
Glass Sealing 46	
Kovar	K94610
High Expansion	
High Expansion 19-7	
High Expansion 22-3	
High Expansion 25-8	
High Expansion 72	
Low Expansion	
Free-Cut Invar "36"®	K93601
Invar 36	K93600
Low Expansion 38-7	
Low Expansion 42	K94101
Low Expansion 43-PH	
Super Invar 32-5	
Temperature Compensator	
Temperature Compensator 30 (Type 2)	
Temperature Compensator 32 (Type 1)	
Temperature Compensator 80	

**TOOL & DIE STEELS**

Powder Metallurgy Corrosion & Wear Resistant Tool	UNS#
Micro-Melt® 20-4	
Micro-Melt® 420-CW	
Micro-Melt® 440C	S44004
Micro-Melt® 440-XH	
Cold Work Tool & Die	
AerMet® for Tooling	K92580
A2	T30102
A6	T30106
A8	T30108
A18	
D2	T30402
D3	T30403
L6	T61206
O1	T31501
O6	T31506
S2	T41902
S5	T41905
S7	T41907
High Speed	
M1	T11301
M2	T11302
M4	T11304
M7	T11307
M10	T11310
M11	
M42®	T11342
Matrix II	

**Hot Work Tool & Die**

H11	T20811
H13	T20813
H19	T20819

**Powder Metallurgy Cold Work Tool**

Micro-Melt® A11	T30111
Micro-Melt® A11-LVC	
Micro-Melt® CD#1	
Micro-Melt® PD#1	
Micro-Melt® PD#5	

**Powder Metallurgy High Speed**

Micro-Melt® M3	T11323
Micro-Melt® M4	T11304
Micro-Melt® 23	T11323
Micro-Melt® 30	
Micro-Melt® M42	T11342
Micro-Melt® M48	T11348
Micro-Melt® 60	
Micro-Melt® M62	
Micro-Melt® HS30	
Micro-Melt® Maxamet®	
Micro-Melt® T15	T12015
Micro-Melt® T15 Plus	

**CUTTING BLADE**

CTS® 40A	S44002
CTS® 204P	
CTS® BD1N	
CTS® BD2I	
CTS® XHP	

<sup>P70+</sup> Available in Project 70®+ version for enhanced machinability

Carpenter Acube® 100, Custom Age 625 Plus®, Custom Age 725®, Free-Cut Invar "36"®, High Permeability "49"®, HyMu "80"®, Invar "36"®, and Low Expansion "42"®, as well as Biodur® Carpenter CCM® and Micro-Melt® Biodur® Carpenter CCM® Low Nickel are registered trademarks of Carpenter Technology Corporation.

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