

## HIGH TEMP

| Cobalt-Based        | UNS#   |
|---------------------|--------|
| L-605               | R30605 |
| MP35N <sup>01</sup> | R30035 |

| Nickel-Based                     |        |
|----------------------------------|--------|
| 80A                              | N07080 |
| 600                              | N06600 |
| 617                              | N06617 |
| 625                              | N06625 |
| Custom Age 625 Plus <sup>®</sup> | N07716 |
| 680                              | N06002 |
| 706                              | N09706 |
| 718                              | N07718 |
| 720                              | N07720 |
| 725                              | 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 |

| Stainless Steel |        |
|-----------------|--------|
| 330             | N08330 |
| 418             | S41800 |
| 422             | S42200 |
| A-286           | S66286 |
| Jethete M152    | S64152 |

## STAINLESS STEELS

| Austenitic                     | 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 |

| Duplex                       |        |
|------------------------------|--------|
| 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 |

| Ferritic Stainless |        |
|--------------------|--------|
| 409Cb              | S40940 |
| 430                | S43000 |
| XM-27              | S44627 |

| Martensitic         |        |
|---------------------|--------|
| 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                     | S21900           |
| 22Cr-13Ni-5Mn                    | S20910           |
| Gall-Tough <sup>®</sup> Plus     | S20162<br>S21800 |

|                               |        |
|-------------------------------|--------|
| 15-15HS Max                   |        |
| 15-15LC <sup>®</sup> Modified | S21300 |
| SCF 19 <sup>®</sup> Max       | S21000 |
| SCF 260 <sup>®</sup>          |        |

| Precipitation Hardenable          |        |
|-----------------------------------|--------|
| 13-8Mo                            | 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) <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

| Bearing & Gear Steel                   | 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> C64 <sup>02</sup> | K92731 |
| L-6490                                 | T11350 |
| Nitralloy 135M                         | K24065 |
| Nitralloy N                            |        |
| Pyrowear <sup>®</sup> 53               | K71040 |
| Pyrowear <sup>®</sup> 61               | K93061 |

| High Strength                          |        |
|----------------------------------------|--------|
| 35NCD16                                |        |
| 300M                                   | K44220 |
| 300M-HS                                | K44220 |
| 882                                    | T20811 |
| 4140                                   |        |
| 4340                                   | G43400 |
| 4330+V                                 | K23080 |
| 6305                                   | K14675 |
| AerMet <sup>®</sup> 100                | K92580 |
| AerMet <sup>®</sup> 100 Plus           |        |
| AerMet <sup>®</sup> 310                |        |
| AerMet <sup>®</sup> 340                |        |
| AF-9628                                |        |
| D6AC                                   | K24728 |
| Ferrium <sup>®</sup> M54 <sup>02</sup> | K91973 |
| Ferrium <sup>®</sup> S53 <sup>02</sup> | 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 Ti - Grade 1    | R50250 |
| CP Ti - Grade 2    | R50400 |
| CP Ti - Grade 3    | R50550 |
| CP Ti - Grade 4    | R50700 |

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

<sup>2</sup> Ferrium is manufactured and sold under license from QuesTek Innovations LLC.

<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 |
| BioDur® 734            |        |
| Custom 455®            | S45500 |
| Custom 465®            | S46500 |
| Custom 470®            | S46500 |
| Custom 630 (17-4)®P70+ | 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             | K93601<br>K93603 |
| Low Expansion 38-7   |                  |
| Low Expansion 42     | K94101           |
| Low Expansion 43-PH  |                  |
| Super Invar 32-5     | K93500           |

### 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® BD21 |        |
| CTS® XHP  |        |

P70+ Available in Project 70+ version for enhanced machinability

ACUBE® 100, Custom Age 625 Plus®, Custom Age 725®, Free-Cut Invar "36"®, High Permeability "49"®, HyMu "80"®, Invar "36"®, Low Expansion "42"®, BioDur® CCM, and Micro-Melt® BioDur® CCM are registered trademarks of CRS Holdings, LLC.

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USA +1 800 654 6543 TOLL FREE  
CANADA +1 800 268 4740 TOLL FREE

MEXICO +52 442 290 40 01  
BELGIUM +32 10 686 010

ASIA (SINGAPORE) +65 6 738 2401  
ASIA (CHINA) 0086 512 6262618

UK +44 1527 512 200