

SUPER ALLOYS

In this section we have classified titanium, nickel alloys and other exotic metals for application in high temperature and corrosive atmospheres. Listed below are some of the most common alloys and the specifications to which they are most commonly produced.

SPECIAL METALS FOR HI TEMPERATURE AND CORROSION RESISTANCE

| AMS | ALLOY NO. | FORM | FEDERAL SPEC |
|------|----------------------------|-----------------|-----------------------------|
| 4900 | Ti A55, 65A | Sheet | MIL-T-9046, Type 1 Comp C |
| 4901 | Ti A70, 75A | Sheet | MIL-T-9046, Type 1 Comp B |
| 4902 | Ti A40, 55A | Sheet | MIL-T-9046, Type 1 Comp A |
| 4911 | Ti C120AV | Sheet | MIL-T-9046, Type 111 Comp C |
| 4918 | Ti 6AL6V2SN | Sheet | MIL-T-9046, Type 111 Comp E |
| 4921 | Ti A70 | Bars & Forgings | MIL-T-9047, Comp 1 |
| 4925 | Ti 4AL4V | Bars & Forgings | |
| 4928 | Ti C120AV | Bars & Forgings | MIL-T-9047, Comp 6 |
| 4970 | Ti 7AL 4MO | Bars & Forgings | |
| 4971 | Ti 6AL-6V2SN | Bars & Forgings | |
| 5520 | PH15-7 MO | Sheet | |
| 5525 | A286 | Sheet | |
| 5526 | 1-9 DL | Sheet | |
| 5527 | 19-9 DL | Sheet | |
| 5529 | 17-7PH | Sheet | MIL-S-25043 |
| 5530 | Hastelloy C | Sheet | |
| 5532 | N155 Multimet | Sheet | |
| 5536 | Hastelloy X | Sheet | |
| 5537 | L605 | Sheet | |
| 5544 | Waspaloy | Sheet | |
| 5545 | Rene 41 | Sheet | |
| 5596 | Inconel 718 (Soil Treated) | Sheet | |
| 5597 | Inconel 718 | Sheet | |
| 5598 | Inconel X750 | Sheet | |
| 5599 | Inconel 625 | Sheet | |
| 5616 | Greek Ascology | Bars & Forgings | |
| 5562 | Inconel 718 (Soil Treated) | Bars & Forgings | |
| 5665 | Inconel 600 | Bars & Forgings | MIL-N-6710 |
| 5666 | Inconel 625 | Bars & Forgings | |
| 5667 | Inconel X-750 | Bars & Forgings | |
| 5668 | Inconel X-750 | Bars & Forgings | |
| 5669 | Inconel X-750 | Bars & Forgings | |
| 5734 | A286 | Bars & Forgings | |
| 5735 | A286 | Bars & Forgings | |
| 5736 | A286 | Bars & Forgings | |
| 5754 | Hastelloy X | Bars & Forgings | |
| 5768 | N155 | Bars & Forgings | |
| 5769 | N155 | Bars & Forgings | |

WELDING ROD AND FILLER WIRE

We supply welding wire and electrodes for all aerospace applications. These materials are available in numerous sizes from .005" to .250" diameter, as cut straight lengths or in coiled form. We have outlines below of some of the popular alloys and the proper specification under which they are covered.

| AMS | ALLOY | FEDERAL |
|------|---------------------|-------------------------|
| 4184 | Alum 4145 | QQ-B-655, C1FS-RAL Si-3 |
| 4185 | Alum 4047 | QQ-B-655, C1FS-RAL Si-4 |
| 4910 | Alum 4043 | QQ-R-566, C14043 |
| 4191 | Alum 2319 | QQ-R-566, C12319 |
| 4395 | Mag AZ92A | MIL-W-6944, C1AZ92A |
| 4396 | Mag EZ33A | MIL-W-6944, C1E233A |
| 4951 | Ti, Comm pure | |
| 4953 | Ti, 5AL-2.5SN | |
| 4954 | Ti, 6A2-4V | |
| 4955 | Ti, 8AL-1MO-1V | |
| 4956 | Ti, 6AL-4V EL1 | |
| 5027 | D6AC | |
| 5528 | D6AC (High C) | |
| 5676 | Nichrome V | MIL-R-5031, C17 |
| 5680 | 347 | MIL-R-5031, C15 |
| 5683 | Inco 42 | MIL-R-5031, C18 |
| 5685 | 305 Safety Wire | QQ-W-423, Comp 305 |
| 5687 | Incol 600 | QQ-W-390 |
| 5688 | Type 302 Spring | QQ-W-423, Comp FS 302 |
| 5694 | Type 310 | MIL-R-5031, C13 |
| 5697 | Type 304 | QQ-W-423, Comp FS304 |
| 5774 | AM-350 | |
| 5776 | 410 | |
| 5778 | Inco 69 | |
| 5780 | AM355 | |
| 5782 | 19-9 W MO | MIL-R-503, C16 |
| 5786 | Hastelloy W | MIL-R-5031, C112 |
| 5789 | Stellite 31 | |
| 5794 | Multmet N155 | MIL-R-5031, C19 |
| 5796 | L605 | MIL-R-5031, CL13 |
| 5798 | Hastelloy X | |
| 5800 | Rene 41 | |
| 5801 | Alloy 188 | |
| 5804 | A286 | |
| 5805 | A286 (Vac Melt) | |
| 5812 | WPH15-7 MO-UM (Vac) | |
| 5813 | WPH15-7 MO | |
| 5817 | Greek Ascology | |
| 5821 | 410 Mod | |
| 5824 | 17-7 PH | |
| 5825 | 17-4 PH | |
| 5828 | Waspaloy | |
| 5829 | Nimonic 90 | |
| 5832 | Inconel 718 | |
| 5837 | Inconel 625 | |
| 5840 | PH13-8 MO | |
| 6458 | 17-22S (S) | |