



## Nickel Alloy - Aerospace Nickel Alloys

### SPECIFICATIONS

Commercial

List

Below is a list of UK and US Nickel Aerospace Alloys / Specifications

### UK NICKEL ALLOYS

ALLOY 020 / INCO 020  
 ALLOY 20  
 ALLOY 27 / GLASS SEALING  
 ALLOY 36 / NILO 36  
 ALLOY 39 / LOW EXPANSION  
 ALLOY 42 / NILO 42 / LOW EXPANSION & GLASS SEALING  
 ALLOY 43 PH / LOW EXPANSION  
 ALLOY 45 / LOW EXPANSION  
 ALLOY 46 / GLASS SEALING & GAS-FREE ALLOY 48 / NILO 48  
 ALLOY 49 / LOW EXPANSION  
 ALLOY 52 / GLASS SEALING  
 ALLOY 75 / NIMONIC  
 ALLOY 77 / NILOMAG 77 / AMS 6519 / MIS 36275  
 ALLOY 80A / NIMONIC 80A  
 ALLOY 90 / NIMONIC 90  
 ALLOY 105 / NIMONIC 105 / BS HR3 / 2.4634 / NK 20 CDA  
 ALLOY 115 / NIMONIC 115 / BS HR4 / 2.4636 / NCK 15 ATD  
  
 NICKEL 200  
 NICKEL 201  
 NICKEL 205  
 NICKEL 211  
  
 ALLOY 230  
 ALLOY MS 250 / INCO MS 250  
 ALLOY 260  
 ALLOY 263 / NIMONIC 263  
 ALLOY C-276 / INCO C-276  
 ALLOY A-286 / INCO A-286  
 ALLOY 301 / DURANICKEL 301  
 ALLOY 330 / INCO 330  
 ALLOY 400 / MONEL 400  
 ALLOY 401 / MONEL 401  
 ALLOY 404 / MONEL 404  
 ALLOY R-405 / MONEL 405  
 ALLOY 450 / MONEL 450  
 ALLOY 475 / NILO 475  
 ALLOY K-500 / MONEL K-500  
 ALLOY 600 / INCONEL 600  
 ALLOY 601 / INCONEL 601  
 ALLOY 617 / INCONEL 617  
 ALLOY 625 / INCONEL 625  
 ALLOY 700 / INCONEL 700  
 INCONEL 702  
 INCONEL 706  
 INCONEL 713C  
 INCONEL 718



## Nickel Alloy - Aerospace Nickel Alloys

INCONEL 722

### UK NICKEL ALLOYS

ALLOY X750 / INCONEL X750  
ALLOY 800 / INCOLOY 800  
ALLOY 800HT / INCOLOY 800HT  
INCOLOY 801  
ALLOY 825 / INCOLOY 825  
ALLOY 901 / NIMONIC 901  
ALLOY 903 / INCOLOY 903  
ALLOY 907 / INCOLOY 907  
ALLOY 909 / INCOLOY 909  
ALLOY 925 / INCOLOY 925 ALLOY B / BRIGHTRAY B  
ALLOY C / BRIGHTRAY C  
ALLOY G-3 / INCO G-3  
ALLOY HX / INCO HX  
ALLOY K / NILO K

RENE 41

HASTELLOY B-2  
HASTELLOY C-276  
HASTELLOY N  
HASTELLOY S  
HASTELLOY W  
HASTELLOY X  
INVAR - SUPER-INVAR 32-5  
INVAR TOOLING PLATE  
INVAR / ALLOY 36  
INVAR - FREE-CUT INVAR 36  
KOVAR / RODAR ALLOY

WASPALLOY

ASTM F30, B 753  
ASTM F15  
ASTM B160, ASTM B162, ASTM B 163, ASTM B 725,  
ASTM B730  
ASTM B388  
ASTM B637  
ASTM B753

BS HR5, BS HR203, BS HR403, BS HR504  
BS 3072, BS 3073, BS 3074, BS 3075, BS 3076, NA11.  
BS 3076, NA 20, HR1, HR201, HR401,

HR601

UNS K94100  
UNS K94610

UNS N02200  
UNS N02205



## Nickel Alloy - Aerospace Nickel Alloys

UNS N06075  
UNS N07080  
UNS N08020  
ALLOY 909 / INCOLOY 909  
ALLOY 925 / INCOLOY 925 ALLOY B / BRIGHTRAY B  
ALLOY C / BRIGHTRAY C  
ALLOY G-3 / INCO G-3  
ALLOY HX / INCO HX  
ALLOY K / NILO K

RENE 41

HASTELLOY B-2  
HASTELLOY C-276  
HASTELLOY N  
HASTELLOY S  
HASTELLOY W  
HASTELLOY X  
INVAR - SUPER-INVAR 32-5  
INVAR TOOLING PLATE  
INVAR / ALLOY 36  
INVAR - FREE-CUT INVAR 36  
KOVAR / RODAR ALLOY

WASPALOY

ASTM F30, B 753  
ASTM F15  
ASTM B160, ASTM B162, ASTM B 163, ASTM B 725,  
ASTM B730  
ASTM B388  
ASTM B637  
ASTM B753

BS HR5, BS HR203, BS HR403, BS HR504  
BS 3072, BS 3073, BS 3074, BS 3075, BS 3076, NA11.  
BS 3076, NA 20, HR1, HR201, HR401,

HR601

UNS K94100  
UNS K94610

UNS N02200  
UNS N02205  
UNS N06075  
UNS N07080  
UNS N08020

## USA NICKEL ALLOYS

AMS5540 INCONEL 600  
AMS5541 INCONEL 722 N07722  
AMS5542 ALLOY N07750  
AMS5544 WASPALOY N07001  
AMS5545 RENE 41  
AMS5550 INCONEL 702  
AMS5552 INCOLOY 801  
AMS5553 NICKEL 201  
AMS5555 NICKEL 205 MIL-N-46025  
AMS5580 INCONEL 600  
AMS5581 INCONEL 625  
AMS5582 INCONEL X750  
AMS5583 INCONEL X750  
AMS5586 WASPALOY  
AMS5587 HASTELLOY X  
AMS5588 HASTELLOY X  
AMS5589 INCONEL 718  
AMS5590 INCONEL 718  
AMS5593 RA333  
AMS5596 INCONEL 718  
AMS5597 INCONEL 718  
AMS5598 INCONEL X750  
AMS5599 INCONEL 625  
AMS5605 INCONEL 706  
AMS5606 INCONEL 706  
AMS5607 HASTELLOY N  
AMS5660 INCOLOY 901  
AMS5661 INCOLOY 901 MOD  
AMS5662 INCONEL 718  
AMS5663 INCONEL 718  
AMS5664 INCONEL 718  
AMS5665 INCONEL 700  
AMS5666 INCONEL 625  
AMS5667 INCONEL X750  
AMS5668 INCONEL X750  
AMS5669 INCONEL X750  
AMS5670 INCONEL X750  
AMS5671 INCONEL X750  
AMS5676 NICHROME V - MIL-R-5031,CL 7  
AMS5677 NICHROME V - MIL-E-6844,CL7  
AMS5682 NICHROME V  
AMS5683 ALLOY 42  
AMS5684 INCONEL WE132 - MIL-E-6844,CL-B  
AMS5687 INCONEL 600  
AMS5698 INCONEL X750  
AMS5699 INCONEL X750  
AMS5701 INCONEL 706  
AMS5702 INCONEL 706  
AMS5703 INCONEL 706  
AMS5704 WASPALOY  
AMS5706 WASPALOY



## Nickel Alloy - Aerospace Nickel Alloys

AMS5707 WASPALOY  
AMS5708 WASPALOY  
AMS5709 WASPALOY  
AMS5711 HASTELLOY S  
AMS5712 RENE 41  
AMS5713 RENE 41  
AMS5714 INCONEL 722  
AMS5715 INCONEL 601  
AMS5717 RA-333  
AMS5701 INCONEL 706  
AMS5702 INCONEL 706  
AMS5703 INCONEL 706  
AMS5704 WASPALOY  
AMS5706 WASPALOY  
AMS5707 WASPALOY  
AMS5708 WASPALOY  
AMS5709 WASPALOY  
AMS5711 HASTELLOY S  
AMS5712 RENE 41  
AMS5713 RENE 41  
AMS5714 INCONEL 722  
AMS5715 INCONEL 601  
AMS5717 RA-333  
AMS5747 INCONEL X750  
AMS5754 HASTELLOY X  
AMS5755 HASTELLOY X  
AMS5766 INCOLOY 800  
AMS5771 HASTELLOY N  
AMS5779 INCONEL X750  
AMS5786 HASTELLOY W  
AMS5798 HASTELLOY X  
AMS5800 RENE 41  
AMS5828 WASPALOY  
AMS5829 NIMONIC 90  
AMS5830 INCOLOY 901  
AMS5832 INCONEL 718  
AMS5836 INCONEL FM-82  
AMS5837 INCONEL 625  
AMS5838 HASTELLOY S  
AMS5869 INCONEL 625  
AMS5870 INCONEL 601  
AMS5871 INCOLOY 800  
AMS5872 NIMONIC 263  
AMS5873 HASTELLOY S  
AMS5878 ALLOY 230  
AMS5879 INCONEL 625LCF  
AMS5882 ASTROLOY M  
AMS5884 INCOLOY 909  
AMS5886 NIMONIC 263  
AMS5887 INCONEL 617  
AMS5888 INCONEL 617  
AMS5890 ALLOY 260  
AMS5891 ALLOY 230

AMS5892 INCOLOY 909  
AMS5893 INCOLOY 909  
AMS5914 ALLOY 718SPF  
AMS5950 ALLOY 718SPF  
AMS7726 ALLOY K  
AMS7727 ALLOY K  
AMS7728 ALLOY K

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### REVISION HISTORY

Datasheet Updated	07 November 2013
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