



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



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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

WASPALLOY

ASTM F30, B 753
ASTM F15
ASTM B160, ASTM B162, ASTM B 163, ASTM B 725,
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ASTM B388
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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



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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

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DISCLAIMER

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