

Material	Material-no.	Short name	Trade name*	Application
Coralloy B-2 Highly corrosion resistant nickel-based alloy with molybdenum and reduced C content	2.4617	NiMo28	Hastelloy B-2	Chemical equipment (high demands in terms of resistance)
Coralloy C-4 Highly corrosion resistant nickel based alloy with molybdenum, chromium and reduced C content	2.4610	NiMo16Cr16Ti	Hastelloy C-4	Chemical equipment (high demands in terms of resistance)
Coralloy 20 Heat resistant nickel based alloy with excellent mechanical properties when subjected to high temperatures	2.4660	NiCr20CuMo	Carpenter 20Cb3	Chemical equipment, heat exchangers in the chemical industry
Coralloy 22 NiCrMo alloy containing W, extremely low C and Si content, highly corrosion resistant	2.4602	NiCr21Mo14W	Hastelloy C-22	Environment engineering, chlorinators, pulp and paper processing, acetic acid production, equipment subjected to sour gases
Coralloy 59 NiCrMo alloy, particularly low C and Si content, highly corrosion resistant, high mechanical strength	2.4605	NiCr23Mo16Al	Alloy 59	Environment engineering, organic chemistry, pharmaceutical intermediate products, pulp and paper, acetic acid production
Coralloy 200 Pure nickel, min. 99.2% Ni	2.4066	Ni99,2	Nickel 99.2	Equipment for the production and processing of mineral products, paint, plastic, washing agents, acetic acid etc.; pickling equipment, petrochemical industry, offshore applications
Coralloy 201 Pure nickel containing min.99.2% Ni, max. C content of 0.02%	2.4068	LC-Ni99	LC-Ni 99.2	Various equipment, especially for the production and processing of caustic soda
Coralloy C-276 Highly corrosion resistant nickel based alloy containing molybdenum and chromium	2.4819	NiMo16Cr15W	Hastelloy C-276	Chemical equipment (high demands in terms of resistance)
Coralloy 333 High temperature resistant Ni-Cr-Fe alloy	2.4608	NiCr26MoW	Alloy 333	Gas turbines (combustion chamber), petrochemical industry, furnaces
Coralloy 400 Nickel copper alloy	2.4360	NiCu30Fe	Monel 400	Offshore applications, nuclear engineering, chemical industry, mineral oil industry
Coralloy K-500 Heat treatable nickel copper alloy with aluminium additive	2.4375	NiCu30Al	Monel K-500	Offshore applications, deep well drilling, pump shafts, springs, valves, electrical components
Coralloy 600 Highly corrosion resistant nickel based alloy	2.4816	NiCu15Fe	Inconel 600	Chemical equipment, industrial furnaces, nuclear engineering
Coralloy 601 Mixed crystal alloy with excellent high temperature properties	2.4851	NiCr23Fe	Inconel 601	Industrial furnaces, petrochemical industry, flue gas decontamination
Coralloy 626 Nickel molybdenum niobium chromium alloy with high strength and toughness, from lowest temperatures to 1100°C	2.4856	NiCr22Mo9Nb	Inconel 625	Aerospace, chemical engineering, offshore applications, nuclear engineering
Coralloy 800/H/HT Corrosion and heat resistant chromium nickel alloyed stainless steel	1.4876 1.4958 1.4959	X10NiCrAlTi32-21 X5NiCrAlTi31-20 X8NiCrAlTi32-21	Incoloy 800 Incoloy 800 H Incoloy 800 HT	Furnace and boiler engineering, chemical and petrochemical industries, nuclear engineering
Coralloy 825 Nickel alloy with chromium, copper and molybdenum	2.4858	NiCr21Mo	Incoloy 825	Chemical equipment, pumps, heat exchangers, nuclear engineering
Aeralloy 41 Heat treatable high temperature and corrosion resistant nickel based alloy	(2.4973)	NiCr19CoMo	Rene 41	Gas turbines
Aeralloy 75 High temperature and corrosion resistant nickel based alloy	2.4630 (2.4951)	NiCr20Ti	Nimonic 75	Industrial furnaces, gas turbines, nuclear engineering
Aeralloy 80 A Heat treatable high temperature nickel based alloy	2.4631 (2.4952)	NiCr20TiAl	Nimonic 80 A	Gas turbines
Aeralloy 81 Modification of Aeralloy 80A with increased Cr content	-	NiCr30TiAl	Nimonic 81	Gas turbines

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Aeralloy 90 Heat treatable high temperature nickel based alloy	2.4632 (2.4969)	NiCr20Co18Ti	Nimonic 90	Gas turbines, high temperature springs
Aeralloy 91 Modification of Aeralloy 90 with increased Cr content	-	NiCr29Co20TiAl	Nimonic 91	Gas turbines
Aeralloy 101 Modification of Aeralloy 105 with increased Cr content	-	NiCr25Co20TiMo IN 597	Nimonic 101	Gas turbines (burners)
Aeralloy 105 Heat treatable high temperature alloy on nickel cobalt chromium basis	2.4634	NiCo20Cr15MoAlTi	Nimonic 105	Gas turbines, Springs
Aeralloy 188 Heat resistant cobalt based alloy	- (2.4683)	CoCr22NiW	HS 188	Gas turbines
Aeralloy C-263 Heat treatable high temperature alloy on nickel cobalt chromium basis	2.4650	NiCo20Cr20MoTi	Nimonic C-263	Gas turbines, high temperature furnaces
Aeralloy A-286 Heat treatable high performance high temperature special steel, resistant to corrosion	1.4944 1.4943 (1.4980)	X4NiCrTi25-15	A-286	Gas turbines
Aeralloy 500 Austenitic nickel chromium cobalt alloy, heat treatable	2.4983	NiCr18Co	Udimet 500	Blades and rings for turbines
Aeralloy 520 Heat treatable high temperature nickel chromium cobalt alloy, resistant to corrosion	-	NiCr19Co12MoTiAlW	Udimet 520	Gas turbines, stationary
Aeralloy L-605 High temperature cobalt based alloy	2.4964 (2.4967)	CoCr20W15Ni	L-605 Haynes 25 Stellite No. 25	Gas turbines
Aeralloy 617 High temperature nickel based alloy with excellent mechanical properties at high temperatures	2.4663	NiCr23Co12Mo	Inconel 617	Gas turbines, nuclear engineering, air heaters
Aeralloy 718 Aeralloy 718 Fine Grain Heat treatable high temperature nickel based alloy, resistant to corrosion	2.4668	NiCr19Fe19Nb5Mo3	Inconel 718	Gas turbines, pumps, nuclear engineering, offshore applications
Aeralloy 720 Heat treatable high temperature nickel chromium cobalt alloy, resistant to corrosion	-	NiCr18Co15MoWTiAl	Udimet 720	Gas turbines, stationary
Aeralloy Waspaloy Aeralloy Waspaloy Fine Grain Heat treatable high temperature nickel based alloy, resistant to oxidation up to approx. 815°C	2.4654	NiCr20Co13Mo4Ti3Al	Waspaloy	Turbine discs, compressor discs
Aeralloy X High temperature nickel alloy, resistant to corrosion	2.4665 2.4603	NiCr22Fe18Mo	Hastelloy X Nimonic P 13	Gas turbines, petrochemical industry, nuclear engineering
Aeralloy X-750 Heat treatable nickel chromium alloy, resistant to corrosion and oxidation, high creep fracture resistance up to 815°C	2.4669	NiCr15Fe7TiAl	Inconel X-750	Gas turbines, nuclear engineering, Belleville springs, vacuum covers
Aeralloy 751 Modification of the X-750 variant	2.4694	NiCr16Fe7TiAl	Alloy 751	Gas turbines, petrochemical industry
Aeralloy 901 Heat treatable high temperature iron nickel alloy, resistant to corrosion	2.4662	NiCr13Mo6Ti 3	Nimonic 901	Gas turbines

*) Tradenames of: General Electric, Cabot; Haynes, Special Metals, Teledyne, Inco-Gruppe, VDM Nickeltechnologie, Republic Steel, IMI, United Technologies, Carpenter