

NICKEL BASES

Nominal Composition

	NI	Co	Cr	Mo	W	Fe	Si	Mn	C	Al	Ti	Cu	P	B	S	Other
ELGILOY®	15.50	40.00	20.00	7.00	--	Bal.	---	2.00	0.150	--	---	--	---	--	--	Be-0.0100
MP35N	35.00	Bal.	20.00	9.75	--	1.00	0.15	0.15	0.025	--	1.000	--	0.015	0.010	0.010	
HASTELLOY B-2	67.00	1.00	1.00	28.00	--	2.00	0.10	1.00	0.020	--	---	--	0.025	--	--	---
HASTELLOY C-4	62.00	2.00	16.00	15.50	--	3.00	0.08	1.00	0.010	--	0.700	--	0.025	--	--	---
HASTELLOY C-22	56.00	2.50	22.00	13.00	3.00	3.00	0.08	.50	0.010	--	---	--	0.02	--	--	V-0.35
HASTELLOY C-276	57.00	2.50	15.50	16.00	4.00	5.50	0.08	1.00	0.010	--	---	--	0.025	--	--	V-0.35
HASTELLOY G.30	37.00	5.00	29.75	5.00	2.75	15.00	0.80	1.50	0.030	--	---	1.70	0.040	--	--	Cb+Ta-0.91
HASTELLOY X	47.00	1.50	22.00	9.00	0.60	18.50	1.00	1.00	0.100	0.500	0.150	0.50	0.040	0.008	0.008	---
HAYNES 25 (L605)	10.00	51.00	20.00	--	15.00	3.00	0.40	2.00	0.100	--	---	--	---	--	--	---
HAYNES 188	22.00	39.00	22.00	--	14.00	3.00	0.35	1.25	0.100	--	---	--	---	0.015	0.015	La-0.070
HAYNES 214	75.00	2.00	16.00	0.50	0.50	3.00	0.20	0.50	0.050	4.500	4.500	--	---	0.010	0.010	Cb-0.15.Y-0.02
HAYNES 230	53.00	5.00	22.00	2.00	14.00	3.00	0.50	0.65	0.100	0.300	0.300	--	---	0.015	0.015	La-0.02
HAYNES 242	60.00	2.50	8.00	25.00	--	2.00	0.80	0.80	0.030	0.500	0.500	0.50	---	0.006	0.006	---
INCONEL 600	72.00	---	15.50	--	--	8.00	0.50	1.00	0.150	--	---	0.50	---	--	--	---
INCONEL 601	60.50	---	23.00	--	--	13.00	0.50	1.00	0.100	1.350	1.350	1.00	---	--	--	---
INCONEL 625	58.00	1.00	21.50	9.00	--	5.00	0.50	0.50	0.100	0.400	0.400	--	0.015	--	--	Cb+Ta-3.65
INCONEL 718	52.50	1.00	19.00	3.05	--	17.00	0.35	0.35	0.080	0.600	0.900	0.30	0.015	0.006	0.006	Cb+Ta-5.125
INCONEL X-750	70.00	1.00	15.50	--	--	7.00	0.50	1.00	0.080	0.700	2.500	0.50	---	--	--	Cb+Ta-0.95
NIMONIC 90	53.00	18.00	19.50	--	--	3.00	1.50	1.00	0.130	1.400	2.400	--	---	--	--	---
NI SPAN C	42.50	---	5.33	--	--	48.50	1.00	0.80	0.060	0.550	2.500	--	0.040	--	--	---
* MONEL 400	66.50	---	--	--	--	2.50	0.50	2.00	0.300	--	---	31.00	---	--	--	---
* MONEL R405	66.50	---	--	--	--	2.50	0.50	2.00	0.300	--	---	31.00	---	--	--	---
* MONEL K500	66.50	---	--	--	--	2.00	0.50	1.50	0.250	2.700	0.500	30.00	---	--	--	---
NICKEL 200	99.00	---	--	--	--	0.40	0.35	0.35	0.150	--	---	0.25	---	--	--	---
NICKEL 201	99.00	---	--	--	--	0.40	0.35	0.35	0.020	--	---	0.25	---	--	--	---
RENE 41	52.00	11.00	19.00	10.00	10.00	5.00	0.50	0.10	0.120	1.600	3.100	--	---	0.006	0.006	---
WASPALOY	54.00	13.50	19.50	4.25	4.25	2.00	0.75	1.00	0.070	1.400	3.000	0.50	0.030	0.006	0.006	Zr-0.06
254 SMO	18.00	---	20.00	6.25	6.25	53.00	0.80	1.00	0.020	--	---	0.75	0.030	--	--	N-0.20
25-6MO	25.00	---	20.00	6.50	6.50	45.00	0.50	2.00	0.020	--	---	1.00	0.030	--	--	N-0.20
904L	25.50	---	22.00	4.50	4.50	43.00	1.00	2.00	0.020	--	---	1.50	0.05	--	--	---
* INCOLOY 825	42.00	---	21.50	3.00	3.00	22.00	0.50	1.00	0.050	0.20	0.90	2.25	---	--	--	---
* INCOLOY 925	44.00	---	21.00	3.00	3.00	22.00	0.50	1.00	0.030	0.30	2.10	2.25	0.03	--	--	Nb+Ta-0.5