

# BRAMMER STANDARD

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## NICKEL ALLOYS

Part Number: **BS-NI-18**

Set of 18 0.27" (7 mm ±0.7 mm) THICK DISCS

Grade	Number	C	Mn	Fe	S	Si	Cu	Cr	Al	Ti	Co	Mo	Nb	P	V	B	Mg	W	Ni
Nickel 200	BS 200A	0.077	0.15	0.076	0.004	0.007	0.004	(0.001)	0.029	0.043	0.057	<0.002	(0.001)	<0.003	0.001	0.0044	0.013	----	[99.5]
Monel® 400	BS 400D	0.130	0.993	2.00	0.0006	0.146	33.0	0.0057	0.0231	0.064	0.032	0.0024	(0.0001)	(0.0010)	(0.0002)	0.0009	0.0217	0.0004	63.4
Monel® K500	BS 500D	0.15	0.69	0.73	<0.002	0.07	29.7	0.21	2.98	0.45	0.033	0.024	(0.005)	0.009	0.003	(0.0002)	0.010	----	64.9
Inconel® 600	BS 600-6	0.083	0.21	7.33	0.001	0.31	0.24	14.86	0.278	0.24	0.066	0.12	0.14	0.007	0.030	0.0028	0.022	----	76.0
Inconel® 625	BS 625D	0.048	0.069	3.81	0.0004	0.072	0.019	22.33	0.21	0.276	0.041	8.74	3.54	0.0039	0.018	0.0019	----	0.014	60.9
Inconel® 690	BS 690A	0.0321	0.214	9.08	0.0004	0.036	0.0072	29.5	0.209	0.340	0.0056	0.0025	0.0039	0.0052	0.0095	0.0003	0.0058	0.0011	60.5
Incoloy® 800	BS 800	0.075	0.79	(45.82)	0.0006	0.55	0.32	19.92	0.28	0.475	0.056	0.19	(0.02)	0.016	0.073	0.0034	----	----	31.38
Incoloy® 825	BS 825E	0.010	0.51	31.45	0.0010	0.24	1.72	21.87	0.080	0.82	0.26	2.74	0.19	0.015	0.049	0.0025	----	0.166	39.92
Inconel® 718	BS 718D	0.037	0.100	18.51	0.0004	0.072	0.071	18.32	0.631	0.93	0.368	3.00	5.16	0.0083	0.038	0.0041	0.0038	0.049	52.5
Inconel® X750	BS 750A	0.047	0.09	7.07	0.0007	0.10	0.04	15.68	0.74	2.60	0.29	0.22	1.07	(0.005)	0.046	0.0033	----	----	71.9
Inconel® 925	BS 925	0.011	0.50	26.92	0.0020	0.11	1.74	20.82	0.17	2.20	0.34	3.00	0.23	0.016	0.03	0.002	----	0.47	43.53
Hastelloy B	BS H-1B	0.006	0.81	1.00	0.0005	0.049	(0.01)	<0.01	0.12	0.11	<0.02	26.52	<0.005	0.003	<0.01	0.003	----	0.01	[71.4]
Hastelloy C-276	BS H-2C	0.0027	0.415	5.99	0.00030	0.031	0.116	16.14	0.124	0.0172	0.178	15.36	0.032	0.0086	0.222	0.0008	0.0061	3.25	58.3
Hastelloy X	BS H-3C	0.087	0.492	19.54	(0.0003)	0.36	0.106	21.50	0.149	(0.0064)	1.37	8.82	0.095	0.0150	0.047	0.0020	0.0020	0.623	46.6
Hastelloy C-22	BS H6B	(0.008)	0.226	3.45	0.0005	(0.035)	0.035	22.3	0.23	0.050	0.079	14.05	(0.1)	0.0054	0.0063	0.0016	0.0010	3.20	55.9
Hastelloy G-30	BS H-8	0.004	1.10	14.61	<0.001	0.20	1.66	29.43	0.18	0.008	2.58	5.02	0.69	(0.01)	0.038	0.0028	0.0059	2.66	[41.8]
RA 333	BS 197A	0.050	1.56	18.07	<0.001	0.96	0.12	25.11	0.18	0.017	3.06	2.99	0.20	0.021	0.051	0.0019	(0.0030)	2.79	44.44
Alloy 20	BS 187D	0.0337	0.938	[39.6]	0.0021	0.669	3.52	19.91	0.0164	0.0027	0.089	2.17	0.621	0.0155	0.073	0.0026	(0.0009)	0.086	32.3

Nickel with brackets [ ] calculated by difference.

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Certificates of Analysis are supplied for each certified reference material listed in the set.