

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 500E	0.134	0.605	0.722	0.0006	0.148	29.9	0.0174	2.94	0.607	0.017	0.0044	(0.002)	0.0022	(0.001)	0.0017	0.0058	(0.002)	64.7
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 625F	0.0215	0.094	3.76	0.0004	0.106	0.150	21.89	0.147	0.27	0.042	9.11	3.53	0.0069	0.014	0.0031	0.0071	0.034	60.72
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 800A	0.075	0.883	42.7	(0.0007)	0.361	0.244	21.09	0.362	0.526	0.069	0.117	0.021	0.013	0.058	0.0018	0.0022	(0.030)	33.3
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-2	BS H-1C	0.0022	0.51	1.29	(0.0004)	(0.01)	(0.002)	0.70	0.15	(0.008)	(0.01)	27.2	(0.009)	0.0049	(0.02)	(0.001)	(0.0012)	(0.009)	69.8
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
Waspaloy	BS 199B	0.041	0.0240	1.17	0.0005	0.034	0.015	19.46	1.370	3.00	12.41	3.87	0.069	0.0031	0.071	0.0053	0.0032	0.048	58.4
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.