

BRAMMER STANDARD

www.brammerstandard.com - contact@brammerstandard.com

14603 BENFER ROAD - HOUSTON, TX 77069 - USA

ph 281-440-9396 - fx 281-440-4432

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 400C	0.160	1.05	1.61	0.001	0.18	31.68	0.48	0.056	0.056	0.053	0.059	0.021	0.012	(0.005)	(0.0002)	0.009	----	64.55
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 600C	0.071	0.50	9.31	0.001	0.39	0.05	15.64	0.21	0.21	0.033	0.03	----	0.009	0.03	----	----	----	73.62
Inconel® 625	BS 625A	0.025	0.07	3.07	<0.001	(0.08)	0.072	21.71	0.21	0.29	0.07	9.2	3.60	0.008	0.02	0.0022	0.0040	0.07	61.4
Inconel® 690	BS 690	0.025	0.20	9.49	0.0010	0.39	0.28	30.10	0.26	0.32	0.076	0.16	0.19	0.011	----	----	----	----	58.5
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 825A	0.030	0.62	30.2	<0.001	0.45	2.32	21.39	(0.26)	1.05	0.25	2.93	0.24	0.017	0.13	(0.0020)	----	----	39.8
Inconel® 718	BS 718A	0.036	0.08	19.21	0.001	0.12	0.06	18.21	0.56	1.02	0.32	3.06	5.18	(0.01)	(0.03)	0.0046	----	----	52.04
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
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-2B	0.006	0.57	6.52	0.0010	0.056	0.10	15.43	0.125	0.066	0.39	15.54	0.029	0.010	0.21	----	----	4.13	56.75
Hastelloy X	BS H-3B	0.078	0.11	19.92	0.0005	0.63	0.27	22.23	0.14	0.020	1.96	8.84	0.28	0.013	0.060	0.0052	----	0.49	44.9
Hastelloy C-22	BS H-6A	0.005	0.31	4.34	<0.002	(0.03)	0.070	21.37	0.24	0.007	1.11	13.37	0.029	0.010	0.17	0.0012	----	3.09	[55.8]
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
Waspaloy	BS 199A	0.033	0.014	1.05	<0.001	0.05	0.022	19.25	1.26	3.07	13.47	3.99	0.040	0.006	0.020	(0.004)	----	----	57.8
Alloy 263	BS 263	0.071	0.36	0.47	<0.002	0.28	0.024	19.84	0.38	2.21	19.92	5.70	0.04	0.005	0.004	(0.001)	----	0.24	[50.65]

Grade	Number	C	Mn	Fe	S	Si	Cu	Cr	Al	Ti	Co	Mo	Nb	P	V	B	Mg	W	Ni
-------	--------	---	----	----	---	----	----	----	----	----	----	----	----	---	---	---	----	---	----

Nickel with brackets [] calculated by difference.

© Monel, Inconel, and Incoloy are registered trademarks of Inco Alloys International Inc.

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