

Nickel Based Alloys

Longwear Certified Air Melt Ingots - Alloy Cross Reference Index - Nickel Based Alloys

In addition to the above Specifications we can offer manufacturing to Customer individual requirements and specifications including Toll Melting and re-melting. Longwear Alloys Ltd assumes no liability for errors or omissions. In relationship to the information contained in this document.

Longwear Grade Ref	Associated Specs			C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Fe	Others
				Min/Max	Min / Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max
LWN-657	INCONEL657	ASTM A560		0.10	0.20/0.60	0.50	0.03	0.045	48.00/52.00	Bal				1.20/1.80Nb
LWN-CW-12MW	ASTM A494 CW12MW	ANC16	Hastelloy C276 Cast	0.12	1.00	1.00	0.04	0.03	15.50/17.50	Bal	16.00/18.00		4.50/7.50	3.75/5.25W 0.20/0.40V
LWN-B	Hast B	AMS5396		0.12	1.00	1.00	0.04	0.03	1.00	Bal	26.00/30.00		4.00/6.00	0.20/0.60V
LWN-CW2M	ASTM A494 CW2M	HAST C4C		0.02	0.80	1.00	0.03	0.03	15.00/17.50	Bal	15.00/17.50		2.00	1.00 W max
LWN-600	INCONEL600			0.15	0.5	1.00	0.02	0.015	14.00/17.00	>72.00		0.50	6.00/10.00	
LWN-601	INCONEL601		AMS5870	0.1	0.25	0.50	0.02	0.015	21.00/25.00	58.00/63.00		0.50	Bal	1.00/1.70Al 0.1/0.6Ti 0.006B
LWN-625	ASTM A494 CW6MC	Inconel 625	AMS5402	0.10	0.50	0.50	0.015	0.015	20.00/23.00	Bal >58.00	8.00/10.00	0.30	5.00	3.15/4.15(Nb+Ta) 0.1Al 0.4Ti 0.10Co
LWN-800	1.4876			0.08	0.70	1.50	0.015	0.01	19.00/22.00	30.00/32.00		0.50	Bal	0.20/0.50Ti 1.0Nb max 0.3Al max
LWN-X	Hastelloy X	AMS5390		0.1	1.00	1.00	0.04	0.03	20.50/23.00	Bal	8.00/10.00		17.0/18.0	0.2/1.0W 0.5/2.5Co <0.05Al 0.01B
LWN-CX-2MW	ASTM A494 CX2MW	Hastelloy C22		0.02	0.08	1.00	0.025	0.025	20.00/22.50	Bal	12.50/14.50		2.00/6.00	2.50/3.50W <2.5Co 0.35V
INCO 601	2.4851			0.05	0.25	0.50	0.02	0.015	21.00/25.00	58.00/63.00		0.50	18.00	1.00/1.70Al 0.50Ti 0.006B
INCO 625	AMS 5402			0.10	0.50	0.50	0.015	0.015	20.00/23.00	Bal >58.00	8.00/10.00		5.00	3.15/4.15(Nb+Ta) 0.4Al 0.4Ti 0.10Co
INCO 800	1.4876			0.08	0.70	1.50	0.015	0.01	19.00/22.00	30.00/32.00		0.50	Bal	0.20/0.50Ti 1.0Nb max 0.3Al max
Hast X	AMS 5390	2.4665		0.05/0.10	1.00	1.00	0.04	0.03	20.50/23.00	Bal	8.00/10.00		17.0/18.0	0.2/1.0W 0.5/2.5Co<0.05Al 0.01B
Hast C276				0.12	1.00	1.00	0.04	0.03	15.50/17.50	Bal	16.00/18.00		4.50/7.50	3.75/5.25W 0.20/0.40V
Hast C22	2.4602			0.15	0.08	0.50	0.02	0.02	20.00/22.50	Bal	12.50/14.50		2.00/6.00	2.50/3.50W <2.5Co

Hastelloy is a registered trade name of Haynes International INC

Inconel is a registered trade name of Special Metals INC (PCC)

Please contact the Sales Office to confirm specification details prior to placing an order. Tel: +44 (0)121 553 4974